Ministero degli Affari Esteri
e della Cooperazione Internazionale

INNOVITALIA
Il portale della diplomazia scientifica

Annuario Innovitalia 2023



Ricercatori italiani all'estero - Annuario Innovitalia 2023

© Ministero degli Affari Esteri e della Cooperazione Internazionale

Ufficio IX della Direzione Generale per la promozione del Sistema Paese

Le foto e i loghi che illustrano questo volume provengono dai siti delle istituzioni a cui fanno riferimento e riportano ove richiesto dalla CC BY-SA il nome dell'autore nella didascalia https://creativecommons.org/licenses/by-sa/4.0/deed.it

L'annuario è pubblicato sul Portale MAECI-MUR Innovitalia https://innovitalia.esteri.it

Contatto: dgsp-innovitalia@esteri.it

Questo volume contiene i dati dei ricercatori italiani registrati sul portale Innovitalia che hanno esplicitamente espresso il consenso a comparire (Regolamento Generale sulla Protezione dei Dati UE 2016/679, art. 13) https://innovitalia.esteri.it/pagina_innovitalia/privacy

Data management a cura di DGAI - Uff. VIII

Composizione a cura di Claudio Barchesi, esperto DGSP Uff. IX

Dati aggiornati al 27 febbraio 2023

Annuario Innovitalia

ARGENTINA - AUSTRALIA - AUSTRIA - BELGIO - BRASILE - CANADA - CILE - CINA - CIPRO - COREA DEL SUD - DANIMARCA - ECUADOR - EGITTO - EMIRATI ARABI UNITI - ESTONIA - FEDERAZIONE RUSSA - FINLANDIA - FRANCIA - GABON - GERMANIA - GIAPPONE - GRECIA - ISRAELE - ITALIA - KUWAIT - LITUANIA - MACAO - MALESIA - MAROCCO - MESSICO - MONGOLIA - NORVEGIA - PAESI BASSI - POLONIA - PORTOGALLO - REGNO UNITO - REPUBBLICA CECA - SAN MARINO - SINGAPORE - SPAGNA - STATI UNITI D'AMERICA - SUDAFRICA - SVEZIA - SVIZZERA - TURCHIA - UNGHERIA - VIETNAM

2023



Riunione delle Addette e degli Addetti Scientifici e Spaziali italiani
Padova 5-7 marzo 2023
(Conference of Italian Scientific Attachés 2023)

Prefazione

Il Ministero degli Affari Esteri e della Cooperazione Internazionale (MAECI), nell'ambito della sua azione di promozione del Sistema Paese, opera in stretto coordinamento con il Ministero dell'Università e della Ricerca (MUR) per facilitare il processo di internazionalizzazione del sistema della ricerca e dell'innovazione italiano, favorire la competitività delle imprese tecnologiche sui mercati esteri e sostenere gli scambi economici e culturali con gli altri Paesi.

INNOVITALIA

È uno strumento di comunicazione del MAECI che punta ad offrire a quanti operano nell'ambito del sistema della ricerca e dell'innovazione, sia in Italia sia all'estero, costanti aggiornamenti sulle azioni della diplomazia scientifica italiana e sulle opportunità per la cooperazione scientifica e tecnologica bilaterale e multilaterale con gli altri Paesi. Il portale intende inoltre valorizzare la rete dei ricercatori italiani all'estero, offrendo loro uno spazio d'incontro e visibilità.

ANNUARIO

In questo annuario si presentano, per i diversi Paesi di residenza, i ricercatori italiani correntemente all'estero che - nella prospettiva di rafforzare il loro legame con il Sistema Paese - si sono registrati al portale Innovitalia e hanno espresso il loro assenso a comparire in questo volume. Per accedere alla banca dati completa dei ricercatori di Innovitalia è necessario essere iscritti al portale:

(https://innovitalia.esteri.it/Login/registrati/)

Possono iscriversi a Innovitalia:

- ricercatori italiani all'estero;
- ricercatori italiani con un'esperienza di ricerca all'estero >12 mesi;
- ricercatori stranieri in Italia, o che abbiano svolto in Italia un periodo di formazione o ricerca >12 mesi;
- associazioni di ricercatori italiani all'estero;
- imprese, organizzazioni e associazioni di imprese;
- enti di ricerca, università e istituti di alta formazione;
- organizzazioni e istituzioni pubbliche.

Vantaggi per gli utenti registrati:

- rapporto diretto con la rete della diplomazia scientifica italiana e con i propri colleghi all'estero e in Italia;
- iscrizione all'"Annuario dei ricercatori italiani all'estero";
- informazioni sulle opportunità di cooperazione scientifica bilaterale;
- opportunità di networking su base tematica e geografica;
- possibilità di pubblicare notizie ed opportunità nel portale.



14° Commissione congiunta Italia – USA per la cooperazione scientifica e tecnologica, Roma, 26-27 gennaio 2023
(14th Italy – United States Joint Commission Meeting (JCM) on Science and Technology)

Preface

The Ministry of Foreign Affairs and International Cooperation (MAECI) in its role as promoter of the "Sistema Italia", operates in close partnership with the Ministry of University and Research (MUR) in order to ease the process of internationalization of Italian research and innovation, aiming at promoting the dialogue with different peoples, supporting the competitiveness of our technological enterprises and praising the value of the Italian scientific network around the world.

INNOVITALIA

Innovitalia is a web portal by MAECI, designed to offer constant updates to researchers, both in Italy and abroad, on Italian science diplomacy and opportunities regarding bilateral and multilateral scientific and technological cooperation. The portal aims at promoting the network of Italian researchers abroad, offering a useful tool for networking with worldwide italian research and innovation.

ANNUARIO

This yearbook enlists all the Italian researchers currently working abroad who subscribed to Innovitalia in 2023. To access the full database of registered users and to have access to the networking tools it is necessary to **subscribe to the portal**.

(https://innovitalia.esteri.it/Login/registrati/)

The portal can be accessed by:

- Italian researchers working abroad
- Italian researchers who gathered a foreign research experience of at least 12 months
- Foreign researchers in Italy, or researchers who completed a period of training or research in Italy of at least 12 months
- Associations of Italian researchers abroad
- Enterprises, organizations and associations of enterprises
- Research institutions, universities and higher education institutions
- Organizations and public institutions

Advantages of being a registered user:

- Getting in touch with the network of Italian science diplomacy and with other colleagues both in Italy and abroad
- Being registered in the "Yearbook of Italian Researchers in the World", published online once a year
- Receiving constant updates on the opportunities for bilateral scientific cooperations
- Being able to take advantage of the information services for networking and the exchange of information, organized both by a field of interest and geographic area
- Possibility to publish news and opportunities on the portal



Italy - Ministry of Foreign Affairs and International Cooperation

Note:

This yearbook includes all the researchers who registered on Innovitalia, divided by **country of residence**. Each researcher is provided with information concerning:

- H-index (if available)
- Affiliation (or workplace)
- Academic discipline for italian university research (SSD, settore scientifico-disciplinare) (source: cun.it)
- European Research Council Sector (ERC)
- Keywords related to research activities



https://innovitalia.esteri.it

INDICE

Sommario

PREFAZIONE 4
ARGENTINA 11
AUSTRALIA 19
AUSTRIA 47
BELGIO 59
BRASILE 84
CANADA 94
CILE 100
CINA 107
CIPRO 110
COREA DEL SUD 112
DANIMARCA 115
ECUADOR 125
EGITTO 127
EMIRATI ARABI UNITI 129
ESTONIA 134
FEDERAZIONE RUSSA 136
FINLANDIA 141
FRANCIA 150
GABON 242
GERMANIA 244
GIAPPONE 262
GRECIA 278
ISRAELE 280
KUWAIT 287
LITUANIA 289
MACAO 291
MALESIA 293
MAROCCO 296
MESSICO 298
MONGOLIA 306
NORVEGIA 308

PAESI BASSI 317
POLONIA 324
PORTOGALLO 326
REGNO UNITO 330
REPUBBLICA CECA 373
SAN MARINO 380
SINGAPORE 382
SPAGNA 410
STATI UNITI D'AMERICA 416
SUDAFRICA 444
SVEZIA 451
SVIZZERA 458
TURCHIA 497
UNGHERIA 499
VIETNAM 501



ARGENTINA



MARÍA SOLEDAD BALSAS

Sede lavoro:	CONICET (Argentina)
SSD:	14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	Media - Migrazioni - Mafie

Ricercatrice presso il CONICET con sede presso l'Universidad Nacional de La Matanza. Dottore in Scienze Sociali. Laureata in Scienze della Comunicazione presso l'Universidad di Buenos Aires. Master in Immigrazione e Rifugiati. Formazione, comunicazione ed integrazione sociale presso l'Università degli Studi di Roma“ La Sapienza ”. Autrice di "Televisión y participación política transnacional. Las audiencias de televisión italiana en Buenos Aires", Buenos Aires, Prometeo, 2018 e "Las migraciones en los libros de texto. Tensión entre globalización y homogeneidad cultural", Biblos, 2014. Si occupa di media e migrazioni. Si interessa alle varie configurazioni discorsive sulle mafie italiane in Argentina. In Italia ha collaborato col Rapporto Italiani nel Mondo, La critica sociologica, Visioni Latinoamericane, Studi Emigrazione, la Rivista dell'Istituto di Storia dell'Europa Mediterranea (RIME), Altre Modernita', Comparative Cultural Studies, Gli Stranieri, Ingenere.it, tra altre.



MARIO OSCAR BARBAGLIA

Sede lavoro:	Consiglio Nazionale della Ricerca Scientifica e Tecnica (CONICET) (Argentina)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	fusione nucleare pulsata , energia pulsata, plasma denso, plasma pulsato, plasma focus

Main achievements: - Advance in the research of small plasma focus devices as alternative to the isotopic neutron sources to raise the environment health and the human security. - Advance in the correct interpretation and synchronization of the basic electrical measurements in a plasma focus device. - Design and build of an operational fusion device called microStar of 250 Joules using the plasma focus technology. - Design and build an extremely low plasma focus device (minor that 5 Joules) called nanoPLADEMA. - Design and build a Pulsed Power laboratory from scratch in University of the Center of the Buenos Aires Provice (PLADEMA Laboratory, section nuclear fusion). - Advance in the knowledge of the process involved in the phenomenon called “exploding wire”. - Produce high quality basic and applied science results.



LEANDRO BATALLA

Sede lavoro:	Universidad Nacional de Rosario. Facultad de Derecho (Argentina)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production SH6 The study of the human past

Abogado (Facultad de Derecho. Universidad Nacional de Rosario) Maestrando en Teoría Constitucional y DDHH (Facultad de Ciencias Jurídicas y Sociales. Universidad Nacional del Litoral) Especialista en Protección Supranacional de los Derechos Humanos (Universtá Degli Studi de Perugia) Docente de Historia Constitucional Argentina y Derecho Constitucional. (Facultad de Derecho. Universidad Nacional de Rosario) Investigador. (UNR) He trabajado en el Ministerio de Justicia y Derechos Humanos de Santa Fe y en la Cámara de Diputados de Santa Fe.



ANTONIO CAGGIANO

H-Index:	16
Sede lavoro:	Universidad de Buenos Aires (Argentina)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering

CAGGIANO, ANTONIO, ADJ. PROF. DR. DR.-ING. DIEBURGER STR. 75, 64287, DARMSTADT, DE Italian, Married - 1 daughter. Birthdate: 31, MAY, 1982 WORK EXPERIENCE 02/2020 - 04/2024 - Group Leader at TU Darmstadt - Institut für Werkstoffe im Bauwesen, Germany. 02/2017 - 01/2020 - Forschungsstipendiat der Alexander von Humboldt Foundation, DE. 10/2019 to date - Full time position at University of Buenos Aires (UBA) as Adjunct Professor, Argentina. Since 2019 - Co-running the Neuer Weg Group https://www.neuerweg-group.com/ (future start-up). 10/2012 - 10/2019 - Full time position at the UBA as Assistant Professor (Jefe de Trabajos Prácticos), AR. 01/08/2014 to date - Researcher at CONICET (Nat. Scient. Tech. Research Council), AR.



DUILIO LORENZO CALCAGNO

Sede lavoro:	Università Tecnologica Nazionale/Consiglio Nazionale di Ricerche Scientifiche e Tecniche (Argentina)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 14 - Scienze politiche e sociali
ERC:	SH3 Environment & society
Keywords:	Energia, Ambiente, Cambiamento tecnologico, Relazioni Internazionali, Società, Argentina, America Latina

Professor Cuyo National University (Latin American and Argentine History): 2016 - 2022 Assistant Professor National Technological University at Mendoza (Engineering and Society course): 2021 - present. Assistant Researcher National Council of Scientific and Technological Research: 2022. Inquiry areas: Energy transition and social dimensions; Latin American history and society; socio-technological change. Experience in internationalization projects, particularly with Italian public and private actor. Experience in socio territorial projects around energy communities and transitions.



INGRID CAPELLO

Sede lavoro:	UNIVERSIDAD NACIONAL DE VILLA MARÍA (Argentina)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Mastite bovina, Resistenza antimicrobica, Batteri dell'acido lattico

Laureato in Biochimica Clinica Stagista assegnato all'argomento di Biochimica, dalla carriera di Medicina Veterinaria, tenuto presso l'Università Nazionale di Villa María. Attualmente, docente, dedica esclusiva, alla Cattedra di Biochimica della carriera di medicina veterinaria, UNVM. Dottorato, in corso, in Scienze Menzione Agroalimentos. UNVM, nome del progetto di tesi: "Valutazione dell'efficacia dei farmaci beta-lattamici combinati con peptidi antibatterici contro i microrganismi che causano la mastite bovina", sotto la direzione del Dott. Nicolás Javier LITTERIO (UNVM) e la co-direzione della Dott.ssa Gabriela Edith AGUIRRE (UNVM).



MARIANO TOMAS CASSANI

Sede lavoro:	Assistant professor and researcher at the Chair of Soil Management and Conservation (Faculty of Agronomy, University of Buenos Aires). (Argentina)
SSD:	04 - Scienze della terra 07 - Scienze agrarie e veterinarie
ERC:	SH3 Environment & society PE10 Earth system science

Name: Mariano Tomás Cassani Date and place of birth: 25/09/1989, Ciudad Autónoma de Buenos Aires, Argentina. Contact address: mcassani@agro.uba.ar Citizenship: Argentinian and Italian CellPhone: +54-11-62131467 ORCID: 0000-0003-2368-6722 Agricultural Engineer (Faculty of Agronomy, University of Buenos Aires), Master in Soil Sciences (Graduate School-Faculty of Agronomy, University of Buenos Aires), PhD student at the University of La Coruña (UDC). Assistant professor and researcher at the Chair of Soil Management and Conservation (FAUBA).



EDDGARDO COMAS

Sede lavoro:	National Technological University and Institute of Scientific and Technical Research for Defense (Argentina)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE6 Computer science & informatics
Keywords:	Image Processing, Navigation, Control Systems

Doctor of Engineering mention in Signal and Image Processing, with 38 years of experience in Research and Development, Id-A category at the Institute of Scientific and Technical Research for Defense; with functions of Technological Advisor and Director of Programs, in the position of Director of the Department of Applied Electronics. Extensive experience in: signal and image processing, control systems, inertial navigation and unmanned vehicles. In the academic field at the National Technological University as category B Researcher at Buenos Aires and Haedo Regional Faculties; professor with more than 35 years of teaching. PROFESSIONAL EXPERIENCE: CUBE SAT: Navigation, attitude control. Unmanned aerial vehicle: Mission monitoring station and experiments. Autopilot: with Control and Navigation Applications. SONDA vectors: Inertial data acquisition hardware and development of the Navigation software for trajectory control.



FERNANDO RUBEN DOBARRO

H-Index:	0
Sede lavoro:	Universidad Nacional de Tierra del Fuego, Antártida e Islas del Atlántico Sur, Instituto de Ciencias Polares, Ambiete y Recursos Naturales - Universidad Tecnológica Nacional (Regional Tierra del Fuego en Ushuaia) (Argentina)
SSD:	01 - Scienze matematiche e informatiche
ERC:	LS9 Applied life sciences & biotechnology PE1 Mathematical foundations PE9 Universe sciences
Keywords:	Analisi Non Lineare - Analisi Geometrica - Fisica-Matematica - Ellaborazione dell'Immagini

Fernando R. Dobarro, Laurea e PhD in Matematica presso FCEyN-UBA, ambi due riconosciute equipollenti per gli ordinamenti italiani: specializzato in Analisi Non Lineare e Geometrica. Ordinario di matematica presso l'UNTDF (Universidad Nacional de Tierra del Fuego, Argentina) e l'UTN (Universidad Tecnologica Nacional, Regional Tierra del Fuego, Ushuaia) ; è stato docente in diverse Università italiane tra cui le Università di Padova, Trieste, Udine e il Politecnico di Milano; è stato borsista e visitatore presso la Scuola Normale Superiore di Pisa, la SISSA e l'ICTP di Trieste e Università Libera di Bruxelles; è condirettore di progetti della Commissione Nazionale delle Attività Spaziali, Argentina) sulla

rilevazione di oil spills e sull'elaborazione di DEMs, tramite analisi d'immagini satellitari SAR. Nel 2018, assieme all'Ambasciata d'Italia a Buenos Aires, il Consolato Generale di Bahia Blanca, la UNTDF e la Provincia di TdF, organizzatore del Forum It-Ar ENABIO tenutosi a Ushuaia.



ANTONIO FERRAMOSCA

H-Index:	14
Sede lavoro:	CONICET (Argentina)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Automatica, Model Predictive Control

Sono nato a Maglie (LE), nel 1982. Ho ottenuto la laurea in Ingegneria Informatica, triennale e specialistica, presso l'Università degli Studi di Pavia nel 2004 e nel 2006 rispettivamente, e il Dottorato in Ingegneria presso l'Università di Siviglia (Spagna) nel 2011. Attualmente sono ricercatore presso il Consiglio Argentino di Ricerche Scientifiche e Tecniche (CONICET) e Professore presso la Universidad Tecnologica Nacional, UTN, Facoltà di Reconquista. Sono autore e co-autore di oltre 70 pubblicazioni scientifiche, includendo capitoli di libro, articoli in riviste internazionali, report industriali e articoli presentati in congressi internazionali. La mia linea di ricerca principale è il controllo di sistemi dinamici con restrizioni. In particolare mi dedico a studiare controllo predittivo (MPC), controllo robusto, controllo distribuito, ottimizzazione economica, controllo di sistemi biologici, stabilità, invarianza.

CAROLINA GHILARDI



H-Index:	0
Sede lavoro:	PLAPIQUI - CONICET-UNS. (PLAPIQUI è un istituto di ricerca che dipende dal CONICET (Consiglio nazionale per la ricerca scientifica e tecnica), e dall'Universidad Nacional del SUR). (Argentina)
SSD:	05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology PE8 Products & process engineering
Keywords:	Microbial carotenoids, yeast, food industry, phenolic compounds, proteins, olive mill waste valorization, microbiological quality.

Sono laureata in scienze biologiche (Universidad Nacional del Sur, Argentina, Bahía Blanca, Buenos Aires). Ho ottenuto una borsa di studio per un dottorato in scienze e tecnologie alimentari dalla più alta istituzione scientifica argentina: CONICET (Consiglio Nazionale della Ricerca Scientifica e Tecnica Ho fatto degli stage nei laboratori di controllo della qualità dei mieli. Nel mio dottorato mi sono formata nell'ambito delle biotecnologie applicate all'industria alimentare, dove mi sono occupata della coltivazione di lieviti produttori di carotenoidi utilizzati nell'industria alimentare, utilizzando come terreno di coltura gli scarti derivanti dal processo bifasico di ottenimento dell'olio di oliva (TPOMW). - Determinazione della produzione di proteine e trigliceridi. - Determinazione e analisi del consumo di glucosio. - Valutazione delle prestazioni microbiologiche. - Estrazione, isolamento e identificazione dei carotenoidi.

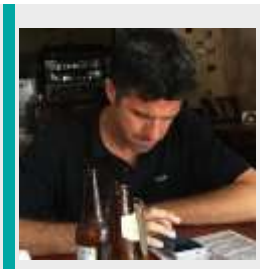


GISELA GIARDINO

Sede lavoro:	Instituto de Investigaciones Marinas y Costeras (IIMyC), Facultad de Ciencias Exactas y Naturales, Universidad Nacional de Mar del Plata (UNMdP) (Argentina)
SSD:	05 - Scienze biologiche

ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	mamiferi marini, bioacustica, delfino, cetacei, leoni marini

D. in Biologia, appartenente al Laboratorio di Biologia, Ecologia e Conservazione dei Mammiferi Marini dell'Università Nazionale di Mar del Plata dal 2000.Specialista in mammiferi marini. Specializzata in acustica passiva. Collegato a gruppi di ricerca in Italia (Laboratorio di Bioacustica Istituto per l'Ambiente Marino Costiero del Consiglio Nazionale delle Ricerche, Capo Granitola, Italia). Attualmente ricercatore presso l'Università Nazionale di Mar del Plata (Dipartimento di Scienze Marine) e il Consiglio Nazionale per la Ricerca Scientifica e Tecnica (CONICET) come parte del Laboratorio Congiunto CAIMAR del Centro Virtuale Binazionale per la Ricerca Marittima e Oceanica - CAIMAR JointLab - (Risoluzione MINCyT 486/15) con il progetto "Bycatch di piccoli cetacei nelle reti da pesca artigianale: un approccio dall'acustica passiva".



MASSIMO LESERRI

Sede lavoro:	Upb Universidad Pontificia Bolivariana (Colombia) (Argentina)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH5 Cultures & cultural production
Keywords:	rilievo, disegno, architettura, patrimonio,

Ha conseguito un Dottorato Europeo presso il Politecnico di Bari (in collaborazione con la Universidad Politecnica de Valencia, e l'Universidad de Sevilla) con una tesi appartenente all'area ICAR17. Ha collaborato dal 2004 al 2016 con il Politecnico di Bari (docenze a contratto, fondazione di uno Spin-off, vari progetti di ricerca), producendo pubblicazioni a livello nazionale ed internazionale. Dal 2017 é profesor titular presso l'Universidad Pontificia Bolivariana (UPB) in COLOMBIA, dove é coordinatore della ricerca presso la facoltá di Architettura. Ha pubblicato in varie riviste internazionali e nazionali nell'ambito dell'area disciplinare ICAR17 (Disegno). E' attualmente coorodnatore del Sileparq (Seminario Internacional de Levantamiento del Patrimonio Arquitectonico) e membro di vari comitati scientifici di collane editoriali italiane. Ha partecipato a vari eventi internazionali sul Disegno del Patrimonio (Italia, Spagna, Argentina, Cuba, Messico, Colombia, Olanda)



ANA INES MARINONE

Sede lavoro:	CONICET- INTA (Argentina)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Reproduction technologies

My name is Ana Ines Marinone. I was born in Argentina, but I also have the Italian citizenship. I studied Veterinary Medicine at UNCPBA and obtained my degree in 2008. Then, I did a specialization in Equine Reproduction and worked in an Equine embryo Transfer Centre for two years. Then, I started my doctoral studies at UNCPBA supported by CONICET and obtained my degree in 2016. During this period I did several courses including In vitro fertilization in bovine and porcine, QT- PCR, Bovine embryo Transfer, Molecular Biotechnologies, among others. Nowadays I am working in production of gene edited porcine embryos by in vitro technologies. This is part of a postdoctoral work supported by CONICET, and It is taking place in a National Institute of research (INTA Balcarce).



ROBERTO DANIEL PEREZ

Sede lavoro: Universidad Nacional de Córdoba (Argentina)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences
Keywords: ottiche per raggio X, microscopia per raggio X, tessiti biologici

Curriculum Vitae Data nascita: 4/10/1969 Indirizzo: Comechingones 231. Córdoba. Argentina. Email: r.daniel.perez@unc.edu.ar Cittadinanza argentina con documento d'identità (DNI): 20721028 Cittadinanza italiana riconosciuta. TAX CODE = PRZRRT69R04Z600N Stato civile: coniugato Professione 1: Professore Associato di Fisica presso alla 'Facultad de Matemática, Astronomía, Física y Computación (FaMAF), Universidad Nacional de Córdoba (Argentina). Professione 2: Scienziato livello 'Independiente' presso al 'Consejo Nacional de Investigaciones Científicas y Técnicas' (CONICET) della Repubblica Argentina. Area de ricerca scientifica: - Il progetto, la caratterizzazione e il controllo di qualità di ottiche per raggi X (capillari e lenti riflessivo). - Microscopia per raggi X con tubi convenzionali e con luce di sincrotrone in tessuti biologici. - Analisi elementale, chimico e strutturale per raggio X.



SERGIO PIRAINO

H-Index: 5
Sede lavoro: Facultad de Ciencias Agrarias (Argentina)
SSD: 07 - Scienze agrarie e veterinarie
ERC: LS9 Applied life sciences & biotechnology
Keywords: Ecologia forestale; dendrocronologia

Ayudante de primera presso la cattedra di Dasonomia, Facultad de Ciencias Agrarias, UNCuyo. I miei interessi di ricerca vertono sulla ecologia forestale, mediante tecniche dendrocronologiche, di boschi mediterranei, desertici e temperati.



PAULA VIRGINIA SARCHI

Sede lavoro: IBCN (UBA-CONICET), Facultad de Medicina, Universidad de Buenos Aires (Argentina)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS5 Neurosciences & neural disorders

I'm a licenced medical doctor graduated from the University of Buenos Aires. I'm finishing a PhD in basic medical research at the same university in the molecular neuropathology lab from the IBCN (UBA-CONICET) 'Prof. E. De Robertis.' My field of study is epilepsy and immunity. I work in an animal model of the disease and can handle the animals, administer drugs, perform surgeries, fix, obtain samples, perform immunohistochemistry, acquire images, process samples for FACS, quantify and present data. I'm a native Spanish speaker, fluent in English with intermediate knowledge of Italian and French languages and basic German. I'm an Italian and Argentinian citizen living in Argentina and interested in working in Europe in the pharmaceutical industry.



CAMILA ZUCCATO

Sede lavoro:	PhD Student (Argentina)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS3 Cellular and Developmental Biology LS9 Applied life sciences & biotechnology
Keywords:	Oncologia Cancer Targets terapeuticos

Nationality: Argentinian. Second Nationality: Italian. Age: 25 years Degree title: Master degree in Biotechnology – May 2016 Engineering and Exact Sciences School - Argentine Business University (Universidad Argentina de la Empresa - UADE) Honor Thesis: “Co-expressed genes profile in human metastatic melanoma cells associated with radioresistance and malignancy” Current •PhD Student - Laboratory of antitumor immunotherapy - INBIOMED, UBA-CONICET, Faculty of Medicine, University of Buenos Aires. Project: “Role of Humanin as a therapeutic target in cancer”.

CONICET

ides

CENTRO DE INVESTIGACIONES SOCIALES

AUSTRALIA



GABRIELE ABBONDANZA

Sede lavoro: University of Sydney (Australia)
SSD: 14 - Scienze politiche e sociali
ERC: SH2 Institutions, values, beliefs and behaviour

Dr. Gabriele Abbondanza is a Researcher and Sessional Lecturer at the Department of Government and International Relations, University of Sydney, Australia. He is also Associate Fellow at the Istituto Affari Internazionali (IAI), a top-20 international relations think tank based in Rome, Italy; and a Honorary Research Associate at the Australasian Centre for Italian Studies (ACIS). His research interests include Italian and Australian foreign and security policy, regional, middle, and great power theory, and national power. He has published widely on these topics. More information can be found on his website: www.gabrieleabbondanza.com .



ALBERTO ALBERELLO

H-Index: 4
Sede lavoro: The University of Melbourne (Australia)
SSD: 04 - Scienze della terra 08 - Ingegneria civile e Architettura 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering PE10 Earth system science
Keywords: ocean waves, rogue waves, wave ice interaction, sea ice, wave turbulence

I am a Post-Doctoral Research Fellow in the Ocean Engineering group at the Department of Infrastructure Engineering, The University of Melbourne. My research on physical oceanography and ocean engineering focusses on rogue waves, wave breaking, wave kinematics, wave turbulence and wave ice interaction among other ocean waves' related topics. Throughout my career, I developed a wealth of experience in physical experiments, field measurements and numerical simulations.



GIANLUCA AMOROSO

Sede lavoro: University of Tasmania (Australia)
SSD: 05 - Scienze biologiche
ERC: LS9 Applied life sciences & biotechnology
Keywords: Acquacoltura, Aquaculture

I currently work at the University of Tasmania (Australia) as a Research Fellow in Aquaculture and conduct research on farmed Atlantic salmon performance and other biological aspects. Before starting the aforementioned position on August 2021, I worked for the previous five years for an Atlantic salmon and Rainbow trout aquaculture producer here in Tasmania called Petuna Aquaculture. There I was the principal investigator within the company on a commercial research project valued at 0.5 million investigating the impact of increasing seawater temperatures on performance traits and physiological aspects of farmed Atlantic salmon. At Petuna, I was also the coordinator of their selective breeding program which I helped establish, oversaw critical production activities involving stock quality, welfare, performance and reproduction, and assisted the general manager with the decision-making via data collection, analysis, and reporting.



MARTINA BARZAN

Sede lavoro: Griffith University (Australia)
SSD: 06 - Scienze mediche 09 - Ingegneria industriale e dell'informazione
ERC: LS9 Applied life sciences & biotechnology
Keywords: Biomeccanica

I am a bioengineer with 5 years of academic and clinical experience in paediatric orthopaedic biomechanics. My goal is to develop innovative surgical solutions and translate them into clinical practice to improve surgical planning and outcomes. As part of my current role at the Griffith Centre of Biomedical and Rehabilitation Engineering, I develop personalised digital twins of children with hip deformities. In collaboration with several orthopaedic surgeons at the Queensland Children's Hospital and medical device companies, we use the digital twins to inform virtual surgery planning and design personalised surgical guides. In 2019, I obtained a PhD on the development of personalised knee kinematic models of children with recurrent patellar dislocation at Griffith University (AUS). During my Bioengineering degree at the University of Padova (IT) I had the opportunity to participate in international exchange programs at Aalborg University (DK) and at Imperial College London (UK).



SIMONE BATTISTON

H-Index: 5
Sede lavoro: Swinburne University of Technology (Australia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH6 The study of the human past

Simone is senior lecturer in Italian Studies and History. His research interests include migration history, transnational politics and labour and artisan history. He has published in scholarly journals such as Modern Italy, Australian Journal of Politics and History, Australian Journal of Political Science, Journal of Australian Studies, Studi Storici, Media History, Diaspora: A Journal of Transnational Studies, People and Place, and Altreitalie. His monograph, Immigrants Turned Activists: Italians in 1970s Melbourne, was published by Troubador Publishing, UK (Italian Studies Series), 2012. He is a member of the Australian History Association (AHA) and of the Australian Society for the Study of Labour History (ASSLH). Simone is the recipient of the 2001 Honours Thesis Award (Friuli-Venetia Julia Regional Government) and the 2007 PhD Thesis Award, Giovanni Agnelli Foundation-Altreitalie Research Centre. He is the Course Director of the Bachelor of Arts.



ANDREA BENVENUTI

H-Index: 10
Sede lavoro: University of New South Wales (Australia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH6 The study of the human past
Keywords: Storia Diplomatica, Guerra Fredda, Politica Estera, Diplomazia

Andrea Benvenuti is an Associate Professor in international relations at the University of New South Wales in Sydney, Australia. He currently teaches twentieth-century international history and diplomacy at both undergraduate and postgraduate level. His research interests lie in the field of post-1945 international history with a strong focus on the Cold War in both Asia and Europe. He recently published a single-authored monograph on Cold War and Decolonisation: Australia's Policy towards Britain's End of Empire in Southeast Asia (NUS Press, 2017). He is currently working on two major projects: a multi-authored two-volume book examining the impact of Western power on the shaping of the Asian regional system (1900-1989) and a single-authored book on India's foreign policy in the early Cold War (1947-62)

EDOARDO BERTONE



H-Index:	15
Sede lavoro:	Griffith University (Australia)
SSD:	01 - Scienze matematiche e informatiche 08 - Ingegneria civile e Architettura
ERC:	PE6 Computer science & informatics PE8 Products & process engineering
Keywords:	Water Resources Engineering; Machine Learning; Water quality

Dr. Edoardo Bertone is a senior lecturer with the School of Engineering & Built Environment, and a member of Cities Research Institute and Australian Rivers Institute, Griffith University. He holds a Bachelor and Master degrees in Civil Engineering from the Polytechnic University of Turin (Italy) and a PhD in Water Resources Engineering from Griffith. He has a current research focus on data-driven modelling, Bayesian Network and System Dynamics modelling applied to the water resources management (e.g. water treatment optimisation and cost reduction), water-energy nexus, environmental health and climate change adaptation fields. Edoardo has attracted more than 1.5 million dollars in research funding, through which he developed, among other, a number of prediction and optimisation models for water utilities to improve the management of their water resources and treatment processes.

CECILIA BISCHERI



Sede lavoro:	Griffith University - GRIFFITH UNIVERSITY, QLD (Australia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society

Cecilia has been specialising in architectural design and its integration with the urban forms since 2006. Cecilia's main areas of interest regard architectural projects that ground their strengths in connecting large-scale projects' technical requirements with the targeted community's societal dimension. Through the integrative approach of urban and architectural design, the rehabilitation of socially disadvantaged communities and the provision of ameliorative conditions for accelerating the recovery of communities threatened by natural disasters constitute the main body of her work. Cecilia is the Head of the Architecture Et cetera Lab. The AEc Lab provides a productive forum for the overlap of academia and architectural practice via the production of practice-based research.

ROBERTO BUSI



H-Index:	17
Sede lavoro:	UWA (Australia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS8 Evolutionary, population & environmental biology

Weed Science - Herbicide Resistance - Herbicide Technology - Herbicide discovery - Crop Protection



FABIO CAPITANIO

H-Index:	17
Sede lavoro:	School of Earth, Atmosphere and Environment (Australia)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	geodinamica, tettonica a placche, sismicita', evoluzione planetaria

Geologo e geofisico. Studia la tettonica a placche, grandi catene montuose, sismicità, evoluzione planetaria e formazione dell'atmosfera, con metodologie della meccanica e computazione a alta performance (HPC) su cluster alla Peta-scala. Laurea a Roma Tre e Dottorato al Politecnico di Zurigo, poi in Australia per un Post-Dottorato e Discovery Early Career Awardee dell'Australian Research Council. Pubblica su riviste scientifiche internazionali, tra cui Nature e Nature Geoscience, e riceve il premio Jason Morgan Early Career Award, dall'American Geophysical Union, nel 2012. Attivo nella comunita' scientifica nazionale e internazionale, organizza convegni e sessioni tematiche, divulga con presentazioni invitate a dipartimenti universitari e convegni, e con interviste per la SBS, canale radio-televisivo Australiano in lingua italiana, su tematiche naturalistiche. Attualmente e' Future Fellow del Council Australiano e Professore Associato alla Monash University, a Melbourne.



GRAZIELLA CAPRARELLI

H-Index:	15
Sede lavoro:	Hypatia Scientifica Pty Ltd (Australia)
SSD:	02 - Scienze fisiche 04 - Scienze della terra
ERC:	PE9 Universe sciences
Keywords:	Igneous Petrology, Geochemistry, Volcanology, Mars Geology, Space, Planetary Science

Dr Graziella Caprarelli FAIG: MS Summa cum Laude - Geological Sciences; PhD - Earth Sciences; Sapienza (Rome, Italy). Postdocs: Geological Survey of Japan, Tokyo Institute of Technology, NASA. Research: volcano-tectonic processes in Italy, Japan, NW USA, SE Australia, Mars. Science Team Member with the Mars Advanced Radar for Subsurface and Ionosphere Sounding (MARSIS). Career: Tenured University Professor in Australia until 2018; Founder and Director of science consulting company Hypatia Scientifica PTY LTD. Adjunct positions: Research Professor, Int. Res. School Planet. Sci. ITA; Research Fellow, Centre for Astrophysics, Univ. S. Queensland AUS; Faculty Member, Int. Space Univ. FRA. Member: American Geophysical Union. Fellow of the Australian Institute of Geoscientists. Australian Space Scientist of the Year 2021. Best known for her contribution to the discovery of subglacial bodies of liquid water on Mars (Nature Astronomy 5, 63-70).



CHIARA CARNEVALI

H-Index:	1
Sede lavoro:	University of Queensland (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS6 Immunity & infection
Keywords:	Microbiologia, Biologia Molecolare

Ho ottenuto la mia laurea magistrale svolgendo una tesi su malattie genetiche rare mitocondriali, utilizzando Saccharomyces cerevisiae come organismo modello. Dopo aver conseguito la mia laurea magistrale, ho lavorato due anni

nell'unita' di analisi del rischio presso l'Istituto Zooprofilattico Sperimentale della Lombardia ed Emilia Romagna (IZSLER), dove ho svolto ricerca nell'ambito dell'antibiotico resistenza. Durante questi due hanno di ricerca, ho pubblicato come primo autore. Ho poi lasciato la mia posizione all'IZSLER per cominciare un dottorato alla University of Queensland a Brisbane, Australia. Attualmente, sono nella fase finale del mio dottorato e svolgo un progetto di ricerca sulla tubercolosi. Durante il mio dottorato ho anche avuto esperienza di insegnamento come tutor di laboratorio e per due anni sono stata membro di due diversi comitati, esperienza grazie alla quale ho ampliato le mie capacita' organizzative e comunicative.



BARBARA CATINELLA

Sede lavoro:	University of Western Australia (Australia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	astronomia

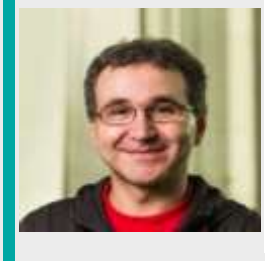
I am a Senior Research Fellow at the International Centre for Radio Astronomy Research (ICRAR), University of Western Australia. My research is in the area of observational extragalactic astronomy, and my main interest is to understand how galaxies form and evolve. I did my undergraduate studies in Physics in Milano, and obtained my Ph.D. in Astronomy from Cornell University (USA). Prior to my current appointment at ICRAR, I worked as a postdoctoral fellow at the Arecibo Observatory in Puerto Rico (USA), Max Planck Institute for Astrophysics in Garching (Germany), and moved to Melbourne in 2013, where I joined Swinburne University as a Future Fellow.



FRANCESCA CAVALIERI

H-Index:	33
Sede lavoro:	RMIT University (Australia)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis
Keywords:	Materiali Polimerici, Biomateriali, Nano-biomateriali

Dr. Francesca Cavalieri is currently Vice Chancellor's Senior Research Fellow at RMIT, Melbourne, Australia. She has been a tenured Assistant Professor in Physical Chemistry at the University of Rome 'Tor Vergata' Italy since 2002. From 1998 to 2002 she was employed as a technical officer at ENEA, Italy. She has received a number of international research prestigious fellowships including ARC Linkage Fellowship, the Australian Endeavour Fellowship and ARC Future Fellowship. Dr Cavalieri has produced 106 peer-reviewed publications in leading international journals (H index 33) delivered invited lectures at international conferences. She has coordinated several international research projects (7th FP UE, Horizon2020 and Australian Research Council). Dr Cavalieri's research group provides key contributions in a range of areas including polymeric biomaterials for drug/gene delivery, bioengineering and characterization of nanostructured materials and interfaces.



LUCA CORTESE

Sede lavoro:	International Centre for Radio Astronomy Research - University of Western Australia (Australia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences

I am a Senior Research Fellow at the International Centre for Radio Astronomy Research, The University Western Australia. My research is in the area of observational extragalactic astronomy, and my main interest is the study of the physical properties of galaxies and their dependence on redshift and environment using large, multi- wavelength datasets. I am an expert on the study of the interstellar medium and environmental effects in nearby galaxies, and I contributed to the success of several large legacy surveys with ground- and space-based facilities (e.g., GALEX, Herschel, Arecibo, AAT). I obtained a joint Ph.D. at Milano Bicocca University (Italy) and Universite de Marseille Provence (France). After the Ph.D., before taking on my current position at ICRAR, I have worked as a postdoctoral fellow at Cardiff University, at the European Southern Observatory and Swinburne University.



GAETANO CURRAO

H-Index:	3
Sede lavoro:	UNSW Canberra (Australia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Aerospaziale

Sono un ingegnere Aerospaziale con una passione per esperimenti and simulazioni numeriche in campo supersonico and ipersonico.



MICHAEL ANGELO CURTOTTI

Sede lavoro:	Dr (Australia)
SSD:	01 - Scienze matematiche e informatiche 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 12 - Scienze giuridiche
ERC:	SH5 Cultures & cultural production PE6 Computer science & informatics

In 2016 Michael Curtotti completed a multidisciplinary PhD in computer science titled "Enhancing the Communication of Law: A cross-disciplinary investigation applying information technology". Michael is a Honorary Lecturer in the Research School of Computer Science at ANU. His research interests include the application of computational tools to address racist discourse; natural language processing and computational linguistics. Michael is also an independent researcher and writer and is currently writing about Italian culture, literature and history; exploring particularly the formation of italian identity and its expression and meaning over history in an interconnected world. He publishes the results of this research at https://beyondforeignness.org as a series of "Italian Stories". Michael has worked in the human rights field in the past including on racial discrimination and religious freedom. He currently works part-time as a lawyer at the ANU Student's Association.



ENRICO DELLA GASPERA

H-Index:	28
Sede lavoro:	RMIT University (Australia)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	nanomateriali, nanotechnologie

Enrico is currently a Senior Lecturer in the School of Science at RMIT University. He is a materials chemist with a background in materials engineering. He completed his Bachelor, Master and PhD in Materials Science and Engineering at the University of Padova, Italy. He has worked in leading institutions worldwide (UCLA, Stanford, CSIRO, RMIT) where he investigated the areas of sol-gel metal oxides and nanocomposites, thin films for sensing and optoelectronics, colloidal syntheses of nanoparticles and processing of nanopowders and nanocrystal inks. He was awarded a Vice Chancellor's Fellowship from RMIT and a DECRA fellowship from the Australian Research Council to conduct research on novel nanomaterials and large area deposition methods for optoelectronic devices. He leads a research group of about 10 researchers (undergraduate, PhD students and postdocs) working on nanotechnology solutions towards greener, more efficient devices.



GIANLUCA DEMARTINI

H-Index:	32
Sede lavoro:	The University of Queensland, Australia (Australia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

Dr. Gianluca Demartini is an Associate Professor in Data Science at the University of Queensland, School of Information Technology and Electrical Engineering. His research is currently funded by the Australian Research Council and Facebook Research. He has published more than 100 peer-reviewed scientific publications related to Information Retrieval, Semantic Web, and Human Computation at major venues in computer science. He serves as co-editor in chief for the Human Computation Journal, area editor for the Journal of Web Semantics, and as editorial board member for the Information Retrieval journal.



RAFFAELLA DEMICHELIS

H-Index:	18
Sede lavoro:	Curtin University (Australia)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	computational chemistry, mineral interfaces, crystal growth, vibrational spectroscopy, force fields, DFT

Researcher ID: H-9193-2012 ORCID: 0000-0001-9741-213X POSITIONS ARC Future Fellow, Curtin University (2019-) Early Career Research Fellow, Curtin University (2013-18) Post-doc, University of Torino and Curtin University (2010-12) EDUCATION PhD (2010), MSc (2006), BSc (2004) in Chemistry, University of Torino RECENT AWARD Vincenzo Caglioti prize 2015, Accademia Nazionale dei Lincei (Rome) RESEARCH 41 contributions (H index=18, citations=988, > ½ in Q1 journals) Contribution to code and force field development 20 invited speaker address Total of > AUD $2 M by ARC, Curtin University and ATN/DAAD TEACHING From 2009 within the General Chemistry, Physical Chemistry, Materials Science and Scientific Computing disciplines SERVICE Honour thesis examination panel, member Early Career Academics Working Group, member Open Day (Chemistry), coordinator Theme & Session Chair at several international conferences Volunteer for science and education programs



SERENA DIPIERRO

Sede lavoro:	University of Western Australia (Australia)
SSD:	01 - Scienze matematiche e informatiche

ERC:	PE1 Mathematical foundations

I was awarded my PhD degree in Mathematical Analysis at the International School for Advanced Studies in Trieste in 2012. Then, I was visiting professor at the Universidad de Chile in Santiago. From November 2013 till June 2015, I held a PostDoctoral Research Associate position at the University of Edinburgh and then, till June 2016, a fellowship funded by the Alexander von Humboldt Foundation at the Otto-von-Guericke Universitaet in Magdeburg and at the Weierstrass Institut in Berlin. From July 2016 to May 2017 I was Lecturer at the University of Melbourne and from June 2017 to July 2018 Assistant Professor at the University of Milan. In August 2018 I moved as an Associate Professor to the University of Western Australia, where I am now Professor and Head of the Department of Mathematics and Statistics. My research focuses on mathematical analysis, partial differential equations, free boundary problems and nonlocal equations.

RICCARDO DOLCETTI



H-Index:	50
Sede lavoro:	Head, Clinical and Translational Immunotherapy, Sir Peter MacCallum Cancer Centre and University of Melbourne (Australia)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Immunoterapia dei tumori, Neoplasie associate ad agenti infettivi

Prof. Riccardo Dolcetti is a clinician scientist with specializations in Oncology and Clinical Immunology with >20y experience in cancer immunology/immunotherapy and infection-associated tumours. He has been the Director of the Cancer Bio-Immunotherapy Division, CRO-National Cancer Institute of Aviano, Italy, where he performed cutting-edge science in the fields of pathogenesis and novel immune-based therapies of lymphomas and infection-driven tumours. His activity was also devoted to the clinical translation of new immunotherapies and the development of diagnostic immuno-assays. In 2015, he took the role Research Chair in Cancer Medicine, Diamantina Institute, Univ. of Queensland where he developed innovative cancer vaccines for breast cancer, melanoma and brain tumors. Since 2020, he is the Head of Clinical and Translational Immunotherapy, Peter MacCallum Cancer Centre and University of Melbourne. He had the privilege to be President of the Italian Society for Cancer Research.

ARIANNA DOLFI



H-Index:	2
Sede lavoro:	Centre for Astrophysics and Supercomputing (Australia)
SSD:	02 - Scienze fisiche
ERC:	PE10 Earth system science
Keywords:	astrophysics; galaxy formation and evolution; stellar kinematics and populations; galaxy outskirts; globular cluster and planetary nebulae kinematics; IFU spectroscopy and data analysis

My name is Arianna and I am a finishing PhD candidate in Astrophysics at the Centre for Astrophysics and Supercomputing, Swinburne University of Technology in Melbourne (Australia). Prior to this, I obtained my B.Sc. and M.Sc. degrees in Physics and Astrophysics, respectively, at the University of Roma Tre (Italy) and I have visited several institutes in Europe, such as the Max Planck Institute for Extraterrestrial Physics (Germany) and the University of Leiden (Netherlands), where I was actively involved in conducting research and work collaboratively. My current research focuses on studying the formation histories of lenticular galaxies, which are similar to our Milky Way galaxy, but have lost the spiral arms and quenched their star-formation. In my research, I use observational data collected from various telescopes around the

world (e.g. the Keck Observatory on Mauna Kea) to study the internal motions of the stars in these galaxies, with the aim of understanding how they formed.



BARBARA DRIGO

Sede lavoro:	South Australia University (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	climate change, soil, microbes, antibiotic resistance, water

Barbara Drigo, PhD Research Fellow (Level B), Future Industries Institute (FII), University of South Australia, South Australia. Phone: +61 8 8302 3025; email: barbara.drigo@unisa.edu.au Professional Appointments Research Fellow (Level B/ Assistant professor), Future Industries Institute, University of South Australia, South Australia, Australia. 2016 – current. Research Fellow (Level B/ Assistant professor), Soil Biology and Genomics, Hawkesbury Institute for the Environment, Western Sydney University, Sydney, Australia. 2014 – 2016. Research Fellow (Level A), Soil Biology and Genomics, Hawkesbury Institute for the Environment, Western Sydney University, Sydney, Australia. 2009 – 2013. Postdoctoral research fellow (Level A), Plant Research International, University of Wageningen, Wageningen, the Netherlands. 2008 – 2009.



SERENA DUCHI

H-Index:	20
Sede lavoro:	University of Melbourne (Australia)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS3 Cellular and Developmental Biology
Keywords:	Stem cells, Tissue Engineering, Regenerative Medicine, bone tumours

Dr.Duchi is a cellular biologist with special interest in osteochondral tissue engineering. Dr Duchi graduated in Biology in 2004 (University of Bologna) and she obtained her PhD in Cell, Molecular and Industrial Biology in 2009 through an international program between University of Bologna and MUSC-USA. Dr. Duchi moved to Melbourne-Australia in April 2016 as an academic research fellow and she's currently working at the St Vincent's Hospital, 3DBioFab @ ACMD, with an appointment from Melbourne University.She is the leader biologist involved in the in vitro and in vivo studies for the execution of the "Next generation of Bioprinting for cartilage regeneration" project. She is specialized in • human stem cells isolation, characterizations and differentiation in osteochondral lineage; • 3D bioprinting for cartilage and bone regeneration and 3D modelling of bone tumours; • imaging techniques for epifluorescence, confocal and time-lapse microscopy, FRET, TIRF, Light-Sheet Microscopy.



MARCO FALASCA

H-Index:	42
Sede lavoro:	Curtin University (Australia)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology

I have formal training in pharmacology and Pharmaceutical Chemistry with research experience in cell biology (signal transduction) and cancer pharmacology (enzymology). The focus of my research in the past 20 years involved the

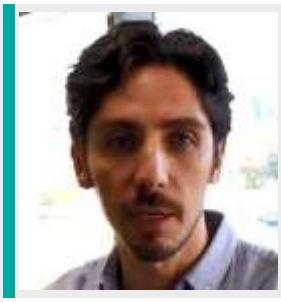
investigation of signaling pathways regulating intracellular physiological and pathological processes. My work is mostly focused on intracellular signals regulated by specific lipids that act as “second messengers” inside a cell to control a plethora of cellular functions, including cell growth, proliferation and metabolism. Major achievements have been the identification of a novel signaling pathway important for insulin action in muscles and adipocytes and the identification of the critical role of class II PI3Ks in insulin signaling and in cell migration. Current specific projects are dedicated to the investigation of the mechanisms involved in chronic diseases such as pancreatic cancer.



MARIO FIORINI

Sede lavoro: University Technology Sydney (Australia)
SSD: 13 - Scienze economiche e statistiche
ERC: SH1 Individuals, institutions & markets

Contact Information Economics Discipline Group University of Technology Sydney Australia Graduate Education University College London, UK PhD in Economics 2008. Undergraduate Education University of Palermo, Italy. Publications How the Allocation of Children’s Time Affects the Stimulation of Cognitive and Non-Cognitive Development, Joint with M. P. Keane. Journal of Labor Economics 2014. 32(4), pages 787-836. Fostering Educational Enrolment Through Subsidies: the Issue of Timing. Jour- nal of Applied Econometrics 2012. 27(5), pages 741-772 Stochastic Monotonicity in Intergenerational Mobility Tables, joint with V. Dar- danoni and A. Forcina. Journal of Applied Econometrics 2012. 27(1), pages 85-107. The Effect of Home Computer Use on Children’s Cognitive and Non-Cognitive Skills. Economics of Education Review 2010. 29(1), pages 55-72.



DAVIDE FONTANAROSA

Sede lavoro: Queensland University of Technology (Australia)
SSD: 02 - Scienze fisiche 06 - Scienze mediche
ERC: LS7 Diagnostic tools, therapies & public health
Keywords: Radioterapia, ultrasuoni, machine learning, simulazioni

Davide Fontanarosa was awarded his PhD in Medical Physics from the University of Maastricht (the Netherlands) with a thesis on: “Evaluation of speed of sound aberration and correction for ultrasound guided radiation therapy”. Presently, he works as Senior Lecturer in the School of Clinical Sciences at the Queensland University of Technology (Brisbane, Australia). In the previous 6 years he worked as Senior Scientist at Maastro Clinic (Maastricht, the Netherlands) and at Philips Research (Eindhoven, the Netherlands). His efforts are mainly focused on research in the RT domain. His major fields of research are image guided RT (in particular using US imaging); advanced treatment planning and adaptation strategies. Previously he was manager of a research and development laboratory at the Scientific and Technical Area in Udine (Italy), where the research was mainly focused on Medical Dosimetry, Montecarlo modeling and Scientific Software programming.



MONICA GAGLIANO

Sede lavoro: Science (Australia)
SSD: 05 - Scienze biologiche
ERC: LS8 Evolutionary, population & environmental biology

Monica Gagliano, PhD is a Research Associate Professor in evolutionary ecology at Southern Cross University, Australia where she directs the Biological Intelligence (BI) Lab as part of the Diverse Intelligences Initiative of the Templeton World Charity Foundation. She has pioneered the brand-new research field of plant bioacoustics, for the first time experimentally demonstrating that plants emit their own 'voices' and detect and respond to the sounds of their environments. Her work has extended the concept of cognition (including perception, learning processes, memory) in plants, re-igniting the discourse on plant subjectivity and ethical and legal standing. She applies a progressive and holistic approach to science – one that is comfortable engaging at the interface between areas as diverse as ecology, physics, law, anthropology, philosophy, literature, music and the arts, indigenous wisdom and spirituality.



CLELIA GASPARINI

H-Index:	15
Sede lavoro:	The University of Western Australia (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	sexual selection, behavioural ecology, evolutionary biology

My research interests lie in the general field of sexual selection, with particular focus on postcopulatory sexual selection mainly using fish species as model systems. My recent work has concentrated on the role of sperm ageing as potential source of variance in male reproductive fitness and its transgenerational effects. Currently, my work focuses on the interactions between the sexes after mating, specifically aiming to shed light on our understanding of the role of female reproductive fluid (the fluid that surrounds the eggs) within an evolutionary framework.



ALESSANDRA GUIDA

Sede lavoro:	Macquarie Law School, Macquarie University, Sydney (Australia) (Australia)
SSD:	12 - Scienze giuridiche
ERC:	SH3 Environment & society
Keywords:	international law

Alessandra Guida is a Ph.D. Candidate and Tutor at Macquarie Law School, Sydney (Australia), where she is a recipient of an international scholarship. Her work focusses on the judicial challenges of balancing free trade and biosafety in the context of biotechnology under the World Trade Organization. Her Master of Research at Macquarie Law School, supported by an international scholarship, received a High Distinction by external examiners. Her Master thesis examined how the precautionary principle has been interpreted and operationalised to provide a mechanism for protection of the environment and health in response to the introduction of genetically modified organisms in Europe. International law, international trade law, international human rights, international environmental law, administrative law, and European law are her main areas of expertise. Alessandra is an Admitted Italian Lawyer. She taught and delivered guest lectures in a broad range of law units at Macquarie Law School.



MICHELA I. SIMONE

H-Index:	14
Sede lavoro:	University of Newcastle · School of Environmental and Life Sciences (Australia)
SSD:	03 - Scienze chimiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry PE5 Materials & Synthesis

Keywords: Medicinale, Organica, Radioterapie

Medicinal Chemistry with a Glycobiological twist! My research group works under the main umbrella of medicinal chemistry, in the areas of synthetic methodology development to novel biologically active molecules with high Fsp3 index. Special focus and expertise are in the fields of synthetic transformations from carbohydrate starting materials, spectroscopic techniques and semimetal chemistry. In expansion are the areas of chemical kinetics of glycosidase enzymes, flow chemistry methodology as applied to carbohydrate chemistry, transition metal/carbohydrate hybrid molecules for cancer therapy and hydrothermal carbonization towards renewable energy sources. The Simone group philosophy in research is to find and exploit new therapeutic approaches, in particular I'm interested in broad-spectrum therapy/disease management approaches as this will be the next step in Medicinal Chemistry. I focus on broad-spectrum anticancers in BNCT and broad-spectrum antivirals.



FRANCESCA IACOPI

Sede lavoro: University of Technology Sydney (Australia)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics
Keywords: nanotecnologia, elettronica, materiali

Graduated in Physics at La Sapienza in Rome (1996), I have obtained my PhD in Electrical Engineering from the Katholieke Universiteit Keuven, Belgium (2004). I have over 20 years' international industrial and academic expertise in the miniaturisation of semiconductor technologies. My career has started off in Industry, where I have coordinated large R&D projects for IMEC (Belgium) and Globalfoundries Inc (USA) in interconnects, electronic devices and packaging. In Academia, I have first held a Guest Associate Professor appointment with the University of Tokyo, Japan, in 2009, and then fully converted my career in 2012, when I was awarded a prestigious Future Fellowship from the Australian Research Council in Australia. Since late 2016, I am Full Professor of Nanoelectronics at the University of Technology Sydney. My focus is the translation of basic scientific advances into nanomaterials and device concepts into integrated technologies, particularly regarding 2-dimensional materials.



JOHN KINDER

Sede lavoro: University of Western Australia (Australia)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH5 Cultures & cultural production
Keywords: Storia della lingua italiana, migrazioni italiane

JOHN KINDER OSI, FAHA CURRICULUM VITAE Associate Professor in Italian, University of Western Australia HONOURS and MEMBERSHIP OF LEARNED SOCIETIES 2016Corresponding Member of the Accademia della Crusca 2014Commander [Commendatore] of the Order of the Star of Italy 2014Life member, Western Australian Association of Teachers of Italian 2009Fellow of the Australian Academy of the Humanities 2005Fellow of the Associazione per la Storia della Lingua Italiana



MIRKO LOBINO

H-Index: 23
Sede lavoro: Griffith University (Australia)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences

Keywords:	quantum physics, photonics, optics, integrated optics

Expert in quantum physics and integrated optics. Leader of the integrated quantum technology group at Griffith University, Brisbane (Australia).



ENZO LOMBI

H-Index:	54
Sede lavoro:	University of South Australia (Australia)
SSD:	04 - Scienze della terra
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Environmental science

•Current position 2015- Strand Leader and Barbara Hardy Chair in Environmental Science and Engineering, Future Industries Institute •Research skills -Molecular biogeochemistry; Advanced spectroscopy; Plant physiology and ecotoxicology of inorganic contaminants; Soil fertility; Nanotoxicology •Publication record ->180 articles in peer reviewed journals; 16 book chapters; editor of 3 books -Associate Editor of Environmental Chemistry and Consulting Editor of Plant & Soil -Total citations (Scopus): >9100, 23 papers cited > 100 times, h-index 54



ROCCO LONGO

H-Index:	3
Sede lavoro:	The University of Tasmania (Australia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	PE8 Products & process engineering
Keywords:	enologia, scienza del vino, valutazione sensoriale del vino

Rocco Longo is a Junior Research Fellow with UTAS at the Tasmanian Institute of Agriculture. A University of Turin (Italy) undergraduate in Viticultural and Oenological Sciences, after a 4-year break working in the Alpine Valley (Victoria) as winemaker, Rocco went to Charles Sturt University to study for his PhD in Wine Science. Part of his work was the development of winemaking practices to enable the production of lower alcohol wines with a flavour profile similar to that of the standard alcohol ones. Rocco is an expert in the sensory evaluation of wines and instrumental analytical methodologies for the measurement of aroma compounds. Rocco commenced as Postdoctoral Research Fellow with UTAS at TIA in 2018. Development of in-line and real-time sensing of juice quality for sparkling wine production, and benchmarking of Australian Pinot Noir wines, are now a major focus of Rocco's research activities.



ARDUINO MANGONI

H-Index:	35
Sede lavoro:	Strategic Professor and Head of Clinical Pharmacology (Australia)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Medicina Interna, Geriatria, Farmacologia Clinica

Professor Mangoni trained in Cardiology, Clinical Pharmacology and General Medicine in Milan, Boston and London. He was awarded a PhD in Pharmacology at King's College, University of London, in 2003. He was appointed Senior Lecturer

(2003-2007) and Associate Professor (2007-2009) in Clinical Pharmacology at Flinders University before taking up the Chair in Medicine of Old Age at the University of Aberdeen, UK (2010-2012). In 2013, he was appointed Strategic Professor and Head of Clinical Pharmacology at Flinders University and Senior Consultant in Clinical Pharmacology at Flinders Medical Centre. Professor Mangoni has published 208 papers in the fields of cardiovascular medicine, drug safety, drug discovery, and metabolomics (h-index 35, Google Scholar).



GREGORIA MANZIN

Sede lavoro: La Trobe University (Australia)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH5 Cultures & cultural production

Before moving to Australia in 2004, Gregoria studied foreign languages and literature (German, English, and Spanish) in Turin, Italy. She specialised in the teaching of Italian language and literature to non-Italian speakers, as well as translation. She completed the last two years of her Bachelor degree with Honours at the University of Cologne in Germany. Gregoria joined the Department of Languages and Linguistics at La Trobe University at the end of 2015. She previously taught at the University of Melbourne (2013-2015), and at Swinburne University of Technology in Melbourne (2008-2013) where she also convened the Italian program (2009-2012). Gregoria works on contemporary Italian literature and is particularly interested in the question of identity in relation to women's writings, trauma and memory studies, postcolonial and transnational literature. She engages in a broad series of cultural activities related to Italian and is a regular contributor to radio SBS Italian (Melbourne).



MARTINA MARIANO

Sede lavoro: Harry Perkins Institute of Medical Research (Australia)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS5 Neurosciences & neural disorders

My undergraduate was in Biotechnology and while interned to a Forensic Genetics Lab I learnt the application of DNA analysis for identification purposes. During my Master's in Genetics and Molecular Biology, I worked with the Italian Scientific Investigation Department and validated DNA-based assays to investigate eye colour for personal identification. Upon completion of my studies, I worked as a registered Biologist with the GENOMA GROUP to perform and optimize prenatal and preimplantation tests for genetic abnormalities in foetus and embryos. Since in Australia, I was awarded a prestigious IPRS scholarship to enrol in a PhD at the University of Western Australia and apply my skills on a project focused on the investigation of genetic basis of human brain disorders such as secondary microcephaly. In addition, I am co-founder at Biacor, start-up company focused on developing a medical device for early and non-invasive diagnosis of prosthetic joint infections.



SAULO MARTELLI

H-Index: 18
Sede lavoro: ? (Australia)
SSD: 06 - Scienze mediche
ERC: PE6 Computer science & informatics

My research aims at quantifying how shape, elasticity and physical activity determine musculoskeletal function in healthy and pathological adult people. I have pioneered computer methods for studying the neuro-muscle control system,

quantifying the risk of bone fracture, and informing exercise prescription in osteoporosis. I have advanced experimental techniques for studying the microstructural contribution to bone strength, real-time loading during normal physical activity and high-speed impact. In orthopaedics, my research supports the medical devices industry. I have optimized joint stability and strength in innovative joint replacements and developed computer technologies for conducting virtual trials of orthopaedic devices. I have also contributed to the development of software for integration clinical imaging toward a personalized, physics-based, medicine. My research has been supported by over $ 5M from the Australian Research Council, other government bodies and industry.

PIER MARZOCCA



H-Index:	34
Sede lavoro:	RMIT University (Australia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Aeroelasticity, Structural Dynamics, Unsteady Aerodynamics, ROMs, Diagnostics/Prognostics

RMIT Prof and Assoc/Dean of Engineering (Aerospace Eng & Aviation) since 2015. Clarkson University Mechanical & Aeronautical Eng Dept (Assistant/Prof 2003-2009, A/Prof 2009-2014, and Prof 2014). He received his PhD in Aerospace Eng from Politecnico di Torino in 2001, worked as a Postdoctoral Researcher and Vis Assistant/Prof in Eng Science and Mechanics at Virginia Tech (2001-2003). He leads/co-leads research projects in aeroelasticity, structural dynamics and diagnostics/prognostics, totaling more than $10M from several government agencies, including DST Group, DSI, NSF, AFOSR, ARMY, ONR and industries, including Boeing, GE and Pratt & Whitney. He received several awards including the Ralph R. Teetor Educational Award and the Forest R. McFarland Award from SAE. He is an Associate Fellow of AIAA, Deputy Editor-in-Chief of the Int'nl J of Aeronautical and Space Sciences, AE of ASCE J of Aerospace Engineering and J of Thermal Stresses, author/co-author of over 350 archival papers.

PAOLO MENASPA



H-Index:	18
Sede lavoro:	Australian Institute of Sport (Australia)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	sport

PAOLO MENASPÀ CORE QUALIFICATIONS and ACCREDITATIONS PhD Sport Science - Edith Cowan University, Perth (2015) Masters of Sport Science – Università degli Studi, Milan (2004) ESSA Accredited High Performance Manager ESSA Accredited Sports Scientist, Level 2 BRIEF EMPLOYMENT HISTORY Australian Institute of Sport, Chief Science Officer, Jul 2021 – present AusCycling (Cycling Australia), Head of Performance Solutions, Oct 2018 – Jun 2021 Edith Cowan University, Researcher, Mar 2015 – Sep 2018 GreenEDGE cycling team, Performance Manager & Coach, Oct 2012 – Sep 2018 Australian Institute of Sport, PhD student & Sport Scientist, Aug 2011 – Feb 2015 MAPEI Sports Lab Coach, Quality System Manager, Jan 2005 – Jul 2011

ALBERTO MEUCCI



H-Index:	3
Sede lavoro:	University of Melbourne (Australia)
SSD:	04 - Scienze della terra

ERC:	PE10 Earth system science
Keywords:	Ocean wind-waves

Alberto Meucci holds the position of Post-Doctoral Fellow in Ocean Wave Modelling at the University of Melbourne after graduating as a PhD in the field of Ocean Engineering at the University of Melbourne, with a particular focus on the prediction of extreme events. He is currently working on Ocean Wave modelling and global statistics of ocean wave height and wind speed ext remes. His research interest is mainly directed at evaluating the impact of climate change on coastal and offshore human activities, with an additional interest in air-sea interactions and ocean circulation dynamics.

MARIO MONGIARDINI



Sede lavoro:	University of Adelaide (Australia)
SSD:	08 - Ingegneria civile e Architettura 09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Road Safety, Passive Safety, Active safety, Computational Mechanics

Dr. Mongiardini performs a variety of research activities in the field of road safety. Within the years, he has conducted research activities on various topics related to the field of road safety, ranging from testing of roadside safety barriers and vehicle passive safety to assessing the safety benefits of road treatments as well as emerging vehicle safety technologies. To achieve these diverse research activities, he makes use of various engineering and analytical skills such as detail modelling of crash events using finite element analysis, conducting before/after analysis to assess the safety benefits of road safety treatments, designing and supervising experimental crash tests, as well as programming computer codes to effectively deliver specific tasks of a project. Dr. Mongiardini currently works as a Research Associate at the Centre for Automotive Safety Research (CASR) in Adelaide. He previously held research positions at two other institutions, in USA and in Sydney.

MARIA CRISTINA MORGANTI-KOSSMANN



H-Index:	48
Sede lavoro:	Monash (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Traumatic brain injury, inflammation, biomarkers, aimal models, clinical studies, cytokines, chemokines

I was responsible for promoting laboratory research in the field of traumatic brain injury. My work lies at the interface between clinical and basic science to elucidate the pathophysiology of brain trauma in humans and rodent models of brain trauma. The focus of my group aimed at identifying differences in diffuse and focal traumatic brain injury, and determine the effects of secondary hypoxia in neurodegeneration. The collaborative approach with intensivists and neurosurgeons opened the opportunity to explore the utility of biomarkers of brain damage as diagnostic and prognostic molecular correlates to neurological parameters. This work is continuing within the Department of Epidemiology and Preventive Medicine at Monash University.

CHRISTIAN MORO



H-Index:	12
Sede lavoro:	Bond University (Australia)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	Education, Medicine, Pharmacology, Physiology, Urology,

Associate Professor Christian Moro is the Science & Scholarship Domain Lead of the Bond University Medical Program and a researcher investigating projects within the physiology, Immunology & pharmacology disciplines. Christian is an active teaching academic, developing & investigating evidence-based resources for medical, health and science education. In this role, Christian has created a range of novel technological tools that enhance learning, participation and interaction in both university and clinical settings. Christian runs the YouTube and Instagram educational channels, Physiology with Christian, and sits as one of Australia's most-awarded educators, receiving the QS Reimagine Award (USA), Australian AAUT Teaching Excellence Award, The Australian Financial Review Higher Education Award, the ASCILITE Innovation Award and the Physiological Society's David Jordan Teaching Award (UK).

NUNZIO MOTTA



H-Index:	42
Sede lavoro:	Queensland University of Technology (Australia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	superfici, nanotecnologia, microscopia, epitassia

Nunzio Motta is full professor at Queensland University of Technology, Brisbane, Australia. He graduated in Physics at Università di Roma La Sapienza in 1981 and obtained his PhD in 1986 (Scuola Normale Superiore di Pisa) He was the first scientist in Italy to achieve atomic resolution on Si(111) 7x7 by Scanning Tunneling Microscopy, and he is internationally recognized in the field of material science, with over 30 years' experience in growth and characterization of semiconductors and nanostructures. He is currently leading surface science and nanotechnology research at QUT, developing new 2D heterostructures, graphene-based supercapacitors, solar-powered nano-sensors and thin film solar cells. He published more than 200 papers, with more than 5400 citations and an h-index of 42. He is chair of the international school and conference NanoS-E3 since 2007

ALESSANDRO PALCI



H-Index:	11
Sede lavoro:	Flinders University of South Australia (Australia)
SSD:	04 - Scienze della terra 05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Paleontologia, Vertebrati, Rettili, Fossili, Evoluzione, Serpenti, Lucertole

Currently Research Associate at Flinders University of South Australia and investigating the phylogenetic relationships of squamate reptiles (lizards and snakes), the timing of their diversification, and the evolution of their body plans. Ph.D. in Systematics and Evolution from University of Alberta, Canada. Dissertation on the origin and evolution of snakes, with a revision of several important fossil taxa and a study of the skull anatomy of extant and fossil forms. Ph.D. in Palaeontology from University of Modena, Italy. Thesis on the anatomy and systematics of dolichosaurs and aigialosaurs (extinct marine

reptiles from the Upper Cretaceous), with a focus on the Komen Limestone formation (Slovenia) and its paleoenvironment. Master in Geology (focus on stratigraphy and paleontology) from University of Trieste, Italy. Thesis on an Upper Cretaceous fossiliferous site where dinosaurs, crocodiles and other fossil vertebrates have been found.

STEFANO PALOMBA



Sede lavoro:	University of Sydney (Australia)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Nanofotonica

Dr. Stefano Palomba is an Experimental Physicist in Nanophotonic and Nanoplasmonic technologies, aimed to design and develop the next generation of integrated optical devices. He is an A/Prof in Experimental Nanophotonics and he established a world-class Nanophotonic and Nanoplasmonic experimental facility in the School of Physics at the University of Sydney (Australia). The facility is equipped with a state-of-the-art femtosecond-OPO laser system for visible and infrared investigations along with a Near Field Scanning Optical Microscope for Nano-Optic research, a home-built three detector coincidence system for quantum optical measurements and a wide range of other vital equipment necessary to achieve breakthroughs in Nanophotonics. Dr. Palomba's expertise in Nanophotonics, Plasmonics, Linear and Nonlinear Optics, has led to various high impact publications and Technical Presentations at internationally recognised meetings.

STEFANIA PAOLINI



H-Index:	26
Sede lavoro:	the University of Newcastle (Australia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH4 The Human Mind and its complexity
Keywords:	intergroup relations, prejudice, discrimination, stereotyping

Stefania Paolini is Associate Professor of Social and Intercultural Psychology at the University of Newcastle, Australia. She has a Laurea Degree on Social and organizational Psychology from the University of Padova (Italy) and a PhD in psychology from Cardiff University (UK). Stefania has expertise in intergroup relations and she is best known for her research on intergroup friendship, intergroup anxiety, stereotype change, and contact valence asymmetry. Her research aims to contribute to the understanding of intergroup friction and prejudice towards increased social cohesion.

GIANCARLO PASCALI



H-Index:	11
Sede lavoro:	ANSTO (Australia)
SSD:	03 - Scienze chimiche 06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	radiochemistry, flow chemistry, radiopharmaceuticals

Giancarlo Pascali leads the Radiochemistry research at the ANSTO Camperdown site. The group tasks are related to the synthesis of new radiopharmaceuticals for preclinical imaging studies, optimization of labelling and production

procedures, and basic studies on radiochemical development. Giancarlo completed his PhD in 2004; he joined ANSTO in January 2013 as the Radiochemistry Team Leader (Camperdown) in the Lifesciences division. He is currently Partner Investigator in the ARC-Linkage project LP150101307, on the study of oxytocin biodistribution and effect by intranasal delivery. He is involved with the Australian and New Zealand Society of Nuclear Medicine and Australian Society of Molecular Imaging. Current research interests are focused toward: novel radiofluorination technologies, 11C new chemistry, microfluidic innovation, continuous processing, receptor studies, theranostics optimization, pretargeting approaches, nanomaterials for drug delivery.

EGON PERILLI



H-Index:	21
Sede lavoro:	Flinders University (Australia)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology PE6 Computer science & informatics
Keywords:	imaging, microtomografia, micro-computed tomography, osso, osteoporosi, artrosi, resistenza ossea, frattura, ricerca ortopedica

Associate Professor, Medical Device Research Institute, College of Science and Engineering, Flinders University, Adelaide, Australia. 2008-2011: Senior Research Fellow, Bone & Joint Research Lab, Surgical Pathology, SA Pathology, Adelaide. His research is in 2D and 3D quantitative imaging of bone structure and biomaterials combined with biomechanical testing. The main field of research is in osteoporosis and osteoarthritis. He is the current President (2018-2021) of the Australian New Zealand Orthopaedic Research Society (ANZORS). 2018- Board member, International Federation of Musculoskeletal Research Societies (IFMRS). Supervisor and instrument leader of the Large-volume Micro-CT imaging laboratory in Flinders University.

MARCO PETASECCA



H-Index:	22
Sede lavoro:	University of Wollongong (Australia)
SSD:	02 - Scienze fisiche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Radiation Detector, Dosimetry, Medical Physics, Electronic Readout

Marco Petasecca is an Associate Professor and Senior Researcher at the School of Physics and Centre for Medical Radiation Physics of University of Wollongong, NSW, Australia. As former researcher in space applications and expert in solid state physics, his main focus at CMRP has been the design and development of silicon sensors and electronic readout systems for radiation detection. His recent research interests include instrumentation for in-vivo and pre-treatment Quality Assurance in adapt ive motion radiotherapy, brachytherapy and Hadron therapy modalities.

MASSIMO PICCARDI



H-Index:	28
Sede lavoro:	University of Technology Sydney (Australia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	natural languag processing, machine learning, computer vision

Massimo Piccardi is a full professor of machine learning, computer vision and natural language processing (NLP) at University of Technology Sydney (UTS), Australia. At UTS, he serves as program leader for the Global Big Data Technologies Centre. Over his career, Prof. Piccardi has been the author/co-author of over a hundred and fifty scientific papers. Since relocating to Australia in 2002, he has been a chief investigator in many advanced research projects including two ARC (Australian Research Council) Discovery Projects, two ARC Linkage Projects and four ARC Linkage Infrastructure Projects. Prof. Piccardi serves as an Associate Editor for journals Computer Vision and Image Understanding and IEEE Transactions on Big Data, and he is a senior member of the IEEE and a member of the International Association for Pattern Recognition.



GIOVANNI PICOTTI

H-Index:	3
Sede lavoro:	Queensland University of Technology (Australia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Solar Energy, CSP, Solar Tower, O&M

Education: 02/2017 – 02/2021: Joint PhD, Queensland University of Technology, Brisbane, Australia - Politecnico di Milano, Milan, Italy 10/2013 – 12/2016: MSc (Energy Engineering), Politecnico di Milano, Italy 09/2010 – 09/2013: BSc (Energy Engineering), Politecnico di Milano, Italy Professional Experience: 07/2020 – ongoing: Research Associate at Queensland University of Technology (QUT), Brisbane, Australia 04/2016 – 05/2016: Sessional Academic at QUT: Demonstrator for Computer Lab (ENB312) Main Scientific Publications: G. Picotti et al. "Modelling approaches for airborne dust and its interactions with surfaces", http://dx.doi.org/10.1016/j.rser.2017.06.043 G. Picotti et al. "Development and experimental validation of a physical model for the soiling of mirrors for CSP industry applications", https://doi.org/10.1016/j.solener.2018.08.066 G. Picotti et al. "Optimization of cleaning strategies for heliostat fields in solar tower plants", https://doi.org/10.1016/j.solener.2020.04.032



CLAUDIO PIZZOLATO

H-Index:	14
Sede lavoro:	Griffith University (Australia)
SSD:	05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS5 Neurosciences & neural disorders PE4 Physical & Analytical Chemical sciences
Keywords:	biomechanics; simulation, human, movement, rehabilitation

Dr Claudio Pizzolato Research Fellow, Griffith Centre of Biomedical and Rehabilitation Engineering, Menzies Health Institute Queensland, Griffith University, Queensland, Australia, c.pizzolato@griffith.edu.au Highest Qualification PhD in computational biomechanics, Griffith University, Australia, 2016 Research Expertise Dr Pizzolato's research focuses on the development of computational models of the human neuromusculoskeletal system and their application to understand onset of neuromuscular chronic disease and development of personalised rehabilitation therapies. Publications Career total: 32 (citations 700, h-index 14, i10-index 20, Google Scholar, August 2021) Funding (career total) >4M AUD



GIOVANNI POLVERINO

H-Index:	12
Sede lavoro:	The University of Western Australia (Australia)
SSD:	05 - Scienze biologiche

ERC:	LS5 Neurosciences & neural disorders LS8 Evolutionary, population & environmental biology LS9 Applied life sciences & biotechnology

I have worked at the Consiglio Nazionale delle Ricerche and at the Istituto Superiore di Sanità of Rome, at the New York University, at the Leibniz-Institute of Freshwater Ecology and Inland Fisheries of Berlin, and ultimately at the University of Western Australia. I have published 19 peer-reviewed journal articles, 5 conference proceedings, 1 book, and 1 book review in the fields of Behavioral Ecology, Evolutionary Biology, Animal Welfare, and Biorobotics (despite 1 year of paternity leave). I have been awarded a highly competitive Postdoctoral Fellowship from the Forrest Foundation (0.5 success rate in 2017) and a competitive PhD fellowship from the Leibniz-Institute of Freshwater Ecology and Inland Fisheries (2013). Awards and funding received also include a 30K Fellowship Support from the University of Western Australia, 3 independent fellowships from the Honor Center of Italian Universities in USA, and 2 national awards for my Master and Bachelor theses on animal behavior.



ANDREA RIZZI

Sede lavoro:	University of Melbourne (Australia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Rinascimento, Traduzione, Storia Medioevale, Fiducia

Curriculum vitae Andrea Rizzi Contact Institutional address: School of Languages and Linguistics, The University of Melbourne, Parkville, VIC 3010, Australia Degrees 2000 PhD degree: Renaissance Studies, University of Kent at Canterbury, UK Professional career 2019- : Associate Professor in Italian Studies, University of Melbourne 2008-2018: Senior Lecturer in Italian Studies, University of Melbourne 2005-2007: Lecturer in Italian Studies, University of Melbourne 2003-2005: Lecturer in Italian Studies, University of South Australia 2001-2003: Research Fellow, School of Modern Languages, University of Western Australia 2000-2001: Associate Lecturer, University of Kent at Canterbury Institutional responsabilities (current) ♣ Associate Dean Research, Faculty of Arts, University of Melbourne Membership of Scientific Organisations (current) ♣ Honorary Fellow of the Harvard Center for Italian Renaissance Studies (Florence, Italy)



GABRIELE ROSSI

H-Index:	11
Sede lavoro:	Murdoch University (Australia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology

I'm currently a Senior Lecturer in Veterinary Clinical Pathology at Murdoch University (Perth). I was awarded a PhD in Veterinary Clinical Pathology at University of Milan (Italy) with a research focused on the investigation of new diagnostic biomarkers in different veterinary species. In 2013 I was certified as European Veterinary Specialist in Clinical Pathology. My research interests include sepsis and inflammatory diagnostic markers, renal diseases and wild life animals. I collaborate with industries and human research centres, using spontaneous sepsis in companion animals as model to investigate new diagnostic markers and new therapies for human sepsis.



ROBERTO SABATINI

H-Index:	26
Sede lavoro:	RMIT University (Australia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Aerospace, Space, Astronautics, Satellite, GNSS, Laser, Lidar, Aviation

Roberto Sabatini is a Professor of Aerospace Engineering and Aviation at RMIT University. Currently, he is Head of the Cyber-Physical Systems Group and Director of the Aerospace Intelligent and Autonomous Systems Laboratory. Prof. Sabatini has over 25 years of academic and industrial experience in the aerospace, transport and defence sectors. In addition to two PhDs in Aerospace/Avionics engineering (Cranfield) and in Satellite Navigation (Nottingham), he holds the qualifications of Flight Test Engineer, Airplane Pilot and Remote Pilot. Prof. Sabatini is a Fellow of the Royal Aeronautical Society, a Fellow of the Royal Institute of Navigation, and a Fellow of the Institution of Engineers Australia. Prof. Sabatini is Editor for Progress in Aerospace Sciences, Technical Editor for the IEEE Transactions on Aerospace and Electronic Systems, Senior Editor for the Journal of Intelligent and Robotic Systems, and Associate Editor for Aerospace Science and Technology.



MARCO SANTONI

Sede lavoro:	ACADEMIC CASUAL STAFF - Tutoring-Demonstrating-Marking (Australia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Collider Phenomenology, Standard Model, Beyond the Standard Model, Supersymmetry, Dark Matter

I am a motivated and energetic physicist and I have recently obtained a PhD at the University of Adelaide. I am keen to dedicate my knowledge and passion for physics to a challenging work environment. I am an excellent problem solver with attention to detail and continuous improvement. I thrive in team, but I also work well independently. During my career, I have gained an invaluable experience in big data processing and statistical-multivariate analysis related to physics problems using the ROOT software framework, which can be transferred to a variety of work environments and can be of interest of an innovative company.



DANIELA SCACCABAROZZI

H-Index:	3
Sede lavoro:	Curtin Universty (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Biologia di impollinazione, Biodiversità, Ecologia, Evoluzione

Curtin University & Napoli Federico II 2014-present Dual PhD on Pollination strategies in Diuris (Orchidaceae) ICAM Spa (ITA), Arbio, ODEINS NGO, FIP (PERU) 2014-present Project Manager for private and public parties on agro-ecological projects on Cacao and Vanilla Parco Grigna Settentrionale, ITA 2007-2014 Project Manager of agro-ecological projects with University partners and social enterprises on food traceability, restoration ecology and biodiversity conservation Kings Park Botanic Garden, Perth, AUS 2012-2013 Research pollination study on Pterostylis (Orchidaceae) Consultant Dr. Guzzetti, Lecco, ITA 2011-2012 Project manager of Biodiversity Action Plan for Holcim SpA EDUCATION University Milano-

Bicocca 2001-2007 Master's & Bachelor’s Degrees in Biology (110 with honour & 108/110) Member of Biologists Professionals University of Pisa 2010 Master in Nutrition



CATERINA SELVA

H-Index:	3
Sede lavoro:	Post-doc (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS9 Applied life sciences & biotechnology
Keywords:	flower, plant, Rhizopus, molecular, biochemistry, agriculture

My work so far has focused on the study of flower development, specifically the regulatory networks involved in the formation of reproductive organs. My interest lies in the shared functional conservation of these genes between model species (A. thaliana) and cereals (H. vulgare, T. aestivum) and how modulation of these networks can modify floral architecture for application in crop improvement and food security. Recently, I've also been involved in the Fight Food Waste Research Consortium to transform industrial food waste into innovative high-value products, with a special focus on potatoes.



REBECCA SUTER

Sede lavoro:	The University of Sydney (Australia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	Giappone, studi Asiatici, letteratura comparata

• 2016-present Associate Professor in Japanese Studies, The University of Sydney • 2012-2016 Senior Lecturer in Japanese Studies, The University of Sydney • 2008-2012 Lecturer in Japanese Studies, The University of Sydney • January-December 2007, Visiting Assistant Professor in Japanese Literature, Brown University. • July 2006-July 2007, Lecturer in Japanese Literature, Harvard University. • November 2002 - June 2005, Assistant Professor of Japanese language and culture, IsIAO (Italian Institute for Africa and the Orient) in Rome. • April 2002-July 2003, teaching assistant of English language and literature at Università degli Studi di Napoli "l'Orientale". • April 2001—March 2002, Italian language and culture visiting lecturer at Senzoku Gakuen University, Tokyo.



GABRIELE TARTAGLINO MAZZUCCHELLI

Sede lavoro:	University of Queensland (Australia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE1 Mathematical foundations PE2 Fundamental constituents of matter
Keywords:	Fisica Teorica, Fisica Matematica, Interazioni Fondamentali, Relatività Generale, Teoria Quantistica di Campo, Teoria di Stringa, Supersimmetria, Supergravità

Sono un esperto in ricerca in fisica teorica e fisica matematica delle interazioni fondamentali. Dopo aver ottenuto all'Università di Milano-Bicocca la laurea con lode nel 2003 e successivamente il dottorato di ricerca nel 2006, ho ricoperto

incarichi in diversi importanti istituti di ricerca in Australia, Belgio, Stati Uniti, Svezia e Svizzera. L'importanza della mia ricerca è stata riconosciuta dall'assegnazione di diverse borse di studio/ricerca (per un totale di più di 2 milioni di AU$) tra cui prestigiose fellowships dell'Australian Research Council (DECRA e Future Fellowships) e della Comunità Europea (Marie Curie Fellowship). Da Ottobre 2019 sono un ARC Future Fellow, Senior Lecturer, presso the University of Queensland.

EDOARDO TESCARI



Sede lavoro:	Melbourne Data Analytics Platform (MDAP), The University of Melbourne (Australia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE6 Computer science & informatics PE9 Universe sciences
Keywords:	Astrofisica, Cosmologia, Data Science, High Performance Computing

I am a Senior Research Data Specialist in the Melbourne Data Analytics Platform (MDAP) team at the University of Melbourne. Before joining MDAP, I worked as a researcher in astrophysics in different universities and institutions in Australia and Europe. My research involved running, post-processing and analysing large-scale cosmological simulations with the goal of studying the formation and dynamic evolution of galaxies, and interplay between galaxies and the intergalactic medium. I have extensive experience in the use of multi-core computer clusters, parallel computational techniques and management of large data sets. In my current role within MDAP, I have been collaborating with academics from different faculties and domains on a range of research projects, including climate, biodiversity and biosecurity modelling, analysis of large metagenomic and retail store scanner data sets, and empirical dynamic modelling (EDM).

ALESSANDRO TOFFOLI



H-Index:	18
Sede lavoro:	The University of Melbourne (Australia)
SSD:	04 - Scienze della terra 08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science
Keywords:	ocean waves, rogue waves, air-sea interaction, sea ice

A/Prof Alessandro Toffoli Education •PhD, K.U. Leuven, Civil Engineering, 2006, Belgium •Master of Engineering Science (Laurea), Polytechnic University of Turin, Civil Engineering, 2001, Italy Professional Experience •Associate Professor, The University of Melbourne, Australia, 2016 – Present •Associate Professor, Swinburne University of Technology, Australia, 2013-2016 •Associate Professor (Reader), Plymouth University, UK, 2012-2013 •Lecturer, Swinburne University of Technology, Australia, 2010-2012 •Research Fellow, Swinburne University of Technology, Australia, 2009-2010 •Research Fellow, DNV GL, Norway, 2007-2009 •Research Assistant, K.U. Leuven, Belgium, 2001-2006 67 peer-reviewed publications Grants: More than AU$ 8M in research grants

CLAUDIO TOMA



H-Index:	19
Sede lavoro:	Neuroscience Research Australia (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Genetica umana molecolare

I'm currently senior research officer at Neuroscience Research Australia (NeuRA) and hold a conjoint lecturer position at University of New South Wales. I obtained my PhD in human genetics at the University of Bologna (Italy). I carried out research projects in: i) genetics of dyslexia at the Wellcome Trust Centre for Human Genetics (University of Oxford, UK); ii) Genetics of Autism Spectrum Disorder (ASD) and Mendelian diseases at the University of Barcelona (Spain); and Genetics of Bipolar Disorder at NeuRa (Australia). I have extensive experience in association studies, linkage studies, copy number variant (CNV) analyses and whole exome/genome sequencing. I have identified novel candidate genes for autism spectrum disorder and bipolar disorder.

DANIELA TRAINI



H-Index:	39
Sede lavoro:	Macquarie University, Macquarie Medical School Faculty of Medicine, Health and Human Sciences (Australia)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Inhalation drug delivery; Respiratory Diseases; Formulation; Colloidal Science

I am Professor in Respiratory Science and NHMRC Investigator (2020-2024) at the Faculty of Medicine, Health and Human Sciences (Department of Biomedical Sciences), Macquarie University, based at the Respiratory Technology Group, Woolcock Institute of Medical Research. I have over 20 years of experience in inhalation drug development, with a focus on particle engineering and drug delivery. I completed my PhD in Pharmaceutics in 2005, and have since led a research team at the University of Sydney (2005-2021) and at Macquarie University since 2021.

ALBERTO TROCCOLI



Sede lavoro:	Servizi (Australia)
SSD:	02 - Scienze fisiche 04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	meteorologia, clima, energia, cambiamenti climatici, servizi climatici

Prof. Alberto Troccoli is the co-founder and Managing Director of WEMC and affiliated with the University of East Anglia's School of Environmental Sciences (UK). With over 25 years of experience in the fields of meteorology and climate, he has been exploring their applications in the energy sector for over a decade. His career includes time at several leading institutions such as NASA, ECMWF (UK), the University of Reading (UK) and CSIRO (Australia). In addition, he has published extensively and is also the chief editor and an author of four books: Seasonal Climate: Forecasting and Managing Risk (2008), Management of Weather and Climate Risk in the Energy Industry (2009), Weather Matters for Energy (2014), and the popular Weather & Climate Services for the Energy Industry (2018). Moreover, he is the main author of the UN-led Global Framework for Climate Services (GFCS) Energy Sector implementation plan and is regularly invited to give international talks on energy and climate.

GIOVANNI TURCHINI



H-Index:	28
Sede lavoro:	Deakin University (Australia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS9 Applied life sciences & biotechnology

Keywords:	acquacoltura, aquaculture, nutritzione, nutrition, acidi grassi, fatty acids, prodotti ittici, seafood

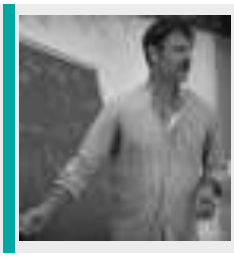
Professor Giovanni M. Turchini has a doctorate from the University of Milan (Italy). In 2004 Giovanni moved to Australia, at the School of Life and Environmental Sciences of Deakin University. At Deakin, Giovanni has been a recipient of two ARC Discovery fellowships, secured several competitive grants, and developed a series of significant industry collaborations. Since 2015, Giovanni is the Associate Head of School (Research). Giovanni's research interests span from nutrition (animal and human) to aquaculture, food quality, lipids, fatty acid and omega-3 metabolism, fish oil replacement and fatty acid metabolism in cultured aquatic species, fatty acid-hormones and fatty acid-micronutrients interactions, seafood quality and traceability, and ethical issues encountered in the fisheries and aquaculture sectors. Throughout his career, Giovanni has published extensively, including several book chapters and one edited book, and his work is highly cited and influential.



MAURO VACCAREZZA

H-Index:	36
Sede lavoro:	Curtin University (Australia)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Cell Biology, Human Anatomy , Pathophysiology, Vascular Biology

May 2013 Contract Professor of Anatomy at the School of Biomedical Sciences, University of Queensland, Brisbane, Australia. Jan 2015 Full time fixed term lecturer of Anatomy at the School of Biomedical Sciences, Faculty of Medicine and Biomedical Sciences, University of Queensland, Australia. July 2015 Senior Lecturer of Anatomy and Cell Biology at the School of Biomedical Sciences, Faculty of Health Sciences, Curtin University, Perth, Australia. January 2016 - Dec 2020 Chief Anatomist Curtin University, Deputy Director Human Biology Program at the School of Biomedical Sciences, Faculty of Health Sciences, Curtin University July 2016 Unit Coordinator, Pathophysiology, School of Biomedical Sciences, Faculty of Health Sciences, Curtin University 2016-2019 Coordinator, Human Biology Program, School of Pharmacy and Biomedical Sciences, Faculty of Health Sciences, Curtin University 2019 Fellow of Higher Education Academy (FHEA) 2021- Curtin Medical School & CHIRI



ENRICO VALDINOCI

Sede lavoro:	University of Western Australia (Australia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations

After a PostDoc at the Scuola Normale di Pisa, I have been Assistant and Associate Professor at the University of Rome Tor Vergata, Full Professor at the University of Milan, European Reasearch Council Group Leader at the Weierstrass Institute in Berlin, Professor at the University of Melbourne and presently I am Professor at the University of Western Australia. I am a Clarivate Highly Cited Researcher, the most cited mathematician according to my graduation year, and Australian Laureate Fellow. My research focuses on elliptic partial differential equations and nonlocal equations, with applications to mathematical physics, geometry, and biology.

MATTEO VERGANI



Sede lavoro: Deakin (Australia)
SSD: 14 - Scienze politiche e sociali
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: prejudice, hate, extremism, terrorism, evaluation, CVE

I am Senior Lecturer in Sociology and Senior Research Fellow at the Alfred Deakin Institute for Citizenship and Globalisation at Deakin University. My major area of expertise is the study of prejudice and hate, with a main focus on the empirical evaluation of prevention and reduction programs. I have experience in researching prejudice against immigrants and religious out-groups, and the online propaganda of extremist and violent political groups. I have a good working knowledge of quantitative research, experimental methods and mixed-methods research approaches.

ANDREA VOCINO



H-Index: 13
Sede lavoro: Deakin University (Australia)
SSD: 13 - Scienze economiche e statistiche
ERC: SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour
Keywords: Marketing

Andrea Vocino is an Associate Professor of Marketing in the Deakin Business School at Deakin University where he has been a faculty member since 2004. Amionst many roles a Director of Research in the Department of Marketing. Andrea completed his Ph.D. at Monash University in Australia. His research interests lie in consumer behaviour with a focus on decision making. His research interests also include environmental marketing and the social implications of corporate marketing decisions, and green products marketing communication. His teaching interests are closely aligned with his research interests. He teaches Marketing Research, Quantitative Research Methods and Marketing Management at undergraduate graduate and doctoral level. He regularly supervises Ph.D. students.

RITA WILSON



Sede lavoro: Monash University (Australia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH5 Cultures & cultural production

Rita Wilson is Professor of Translation Studies in the School of Languages, Literatures, Cultures and Linguistics at Monash University (Melbourne). Her main research interests are in Italian contemporary literature with a focus on women's writing, theories and practices of linguistic and cultural translation and transcultural narrative practices. Most recently, her publications have focused on the relationship between (self-)translation, migration and the construction of cultural identities. With Loredana Polezzi, she is co-editor of The Translator, a leading international journal in Translation Studies. She is also the Academic Co-Director of the Monash-Warwick Migration, Identity, Translation Research Network.

AUSTRIA

TIZIANA ADAGE



Sede lavoro:	BIT Pharma GmbH (Austria)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	Farmacologia, sviluppo precinico e clinico, neurofarmacologia, processi infiammatori, neurodegenerazione

Farmacologo e tossicologo con più di venti anni di esperienza nello sviluppo di nuovi farmaci. Particolare interesse per la comprensione di processi infiammatori e neurodegenerativi dalla identificazione di nuovi target allo sviluppo preclinico e clinico. Esperienze Professionali: 2013-present: Scientific Director BDS Pharma GmbH, then Chief Scientific Officer BIT Pharma GmbH (Graz, AT). 2008- 2013: Head of Pharmacology ProtAffin Biotechnologie AG, (Graz, AT). 2002-2008: Laboratory Head at Serono, then MerckSerono Pharmacology Department. (RBM, Colleretto Giacosa, IT). 1999-2002: Senior researcher Dep. Animal Physiology & Dep. Animal Behavior University of Groningen (NL). 1999-1999: Post-doctoral researcher Dep. of Animal Physiology, University of Groningen (NL). 1990- 1993: Researcher Italian Consortium Technology and Drugs for Aging (CITFI). Dep. of Anatomy, Pharmacology and Forensic Medicine. University of Torino Medical School (IT).

SALVATORE BAGIANTE



H-Index:	9
Sede lavoro:	ISTA (Austria)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

- Manager of the Nanofabrication Facility at IST Austria. Facility: 400 m2 cleanroom and two characterization labs with a capability of 60 users. Service support for startups and external companies. - Winner of Marie Curie Grant - International Fellowship Program on Molecular Ultrafast Science and Technology (IFP-MUST) - Postdoctoral Fellow at the Paul Scherrer Institut for the development and investigation of novel THz nano-antenna/Metamaterials structures for Femto-science applications. - Ph.D Material Science at the University of Catania in collaboration with the IMM-CNR and TUDelft University (NL).

EZIO BARTOCCI



H-Index:	32
Sede lavoro:	TU Wien (Austria)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics

He is a Full Professor for Formal Methods in Cyber-Physical Systems Engineering at the Faculty of Computer Science TU Wien, and he is leading the Trustworthy Cyber-Physical Systems (TrustCPS) Group of the Cyber-Physical System Research Unit. The primary focus of his research is to develop formal methods, computational tools and techniques that support the modeling and the automated analysis of complex computational systems, including software systems, cyber-physical systems and biological systems. On these topics he co-authored more than 100 referred papers published in the main international journals and top-tier conferences of his research areas (CAV, ICCPS, TACAS, ATVA, CDC, EMSOFT, HSCC, etc.),

generating approximately 3000 citations (h-index >= 32) according to Google Scholar. He is listed among the Top Italian Scientists in Computer Science: (https://topitalianscientists.org/)

GAETANO BERTINO



H-Index:	2
Sede lavoro:	alchemia-nova (Austria)
SSD:	04 - Scienze della terra 08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Sustainable architecture; circular economy; building deconstruction; project managing

Gaetano Bertino MSc., Dr. (cand.). Master's degree in Construction Engineering-Architecture, with dissertation on waterfront's conservative refurbishment and sustainable redevelopment. Licence to practice through European Union as Civil engineer and Architect. 2nd level master's degree in Forensic Engineering, with dissertation on the evaluation of noise pollution in areas of landscape interest. Member in good standing of the Professional Order of Engineers of the Province of Naples (n. 21151). Member in good standing of the Register of Technical Advisers at the Ordinary Tribunal of Naples (n. 15635). Safety Coordinator on construction site, pursuant to Art. 98 of Legislative Decree n. 81/2008. International experience as civil engineer, architect and structural engineer (municipal offices, architecture studios, construction and consultancy companies, Italian Civil Defense). Currently project manager at alchemia-nova GmbH and PhD student at Universität für Bodenkultur Wien (BOKU).

ANNA MARIA BOROWSKA



Sede lavoro:	Technische Universität Wien- Vienna University of Technology (Austria)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Heritage Conservation

ESPERIENZA PROFESSIONALE 2018 Assistente scientifica e dottorato Università tecnica di Vienna, Austria 2016-2017Assistente e segretaria 2014 –2015Assistente scientifica, Istituto archeologico germanico, Roma; www.dainst.de ISTRUZIONE E FORMAZIONE 2012 –2014(MSc) Master di Science della Tutela e conservazione dei Beni Culturali Facoltà VI- PlanenBauenUmwelt, Politecnico di Berlino, Germania 2007 –2012 (Mag.phil) Magister der Philosophie: Laurea di quattro anni in Storia dell'arte (Discipline delle arti, della musica dello spettacolo), Università di Vienna, Austria 2012Erasmus di Storia dell'arte, Università della Borgogna, Digione, Francia LINGUE Tedesco (C2), Italiano (C2), Inglese (C1), Francese(C1), Spagnolo (A1/2) SEMINARI CORSI PRESENTAZIONI •Associato del Comitato Giovani per l'UNESCO-Trentino Alto Adige •Partecipazione alla Campagna di riorganizzazione e restauro del Museo nazionale di Cherchell, Algeria

GIULIA BORSI



Sede lavoro:	Institute of Animal Cell Technology and Systems Biology, Universität für Bodenkultur (BOKU), Wien (Austria)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology

Bioinformatics is my primary research interest, a growing research area where computational, mathematical, and statistical methods are applied to solve biological problems. This interest came up while working on my M.Sc thesis in Teramo, where I have been introduced to the network theory. Particularly, I focused my attention to scale-free, random and hierarchical networks, creating two databases of molecules and their interactions involved in the capacitation process of the Human spermatozoa. After this great experience, I decided to move abroad in order to deepen and strengthen my Bioinformatics knowledge in Ireland, at the UCC. I attended an Internship at the University of California San Diego to complete my thesis project and develop methods and algorithms to discover post-translational modifications in human datasets. I'm currently enrolled in a PhD program at BOKU, Vienna, Biotechnology department



FEDERICO CELESTINI

Sede lavoro: Universitaet Innsbruck (Austria)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH5 Cultures & cultural production SH6 The study of the human past
Keywords: Musicologia, Estetica

Federico Celestini is currently Professor for Musicology at the University of Innsbruck, Austria. He studied in Rome at the University La Sapienza before completing his Ph.D. and Habilitation in Musicology at the University of Graz, Austria. He has been awarded with several fellowships, e.g. from the British Academy (University of Oxford), the Riemenschneider Bach Institute (Cleveland), the Alexander von Humboldt Foundation (Freie Universitaet Berlin), and the Mellon Foundation (University of Chicago). Celestini combines interests in music, philosophy, and in social and cultural history. His publications include books on Haydn Piano Sonatas, on Viennese Modernism and on Nietzsche's music aesthetics. Celestini is Co-Editor of Acta Musicologica, the peer reviewed journal of the International Musicological Society (with Philip V. Bohlman). Celestini is currently Member of the Board of Trustees of the Austrian Science Fund (FWF) and President of the Austrian Society of Musicology.



MICHELE CHIARI

Sede lavoro: Technische Universität Wien (Austria)
SSD: 01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC: PE6 Computer science & informatics
Keywords: Formal Methods, Model Checking, Software Verification, Approximate Computing

I am a PostDoc (Projektass.) in the TrustCPS led by Univ-Prof Ezio Bartocci within the Institute of Computer Engineering at TU Wien. My research interests cover formal methods for the verification of safety-critical and real-time systems, focusing on temporal logic, formal languages and automata theory. I am currently working on context-free temporal logic and model checking. In particular, I am developing new temporal logics based on Operator Precedence Languages, with the purpose of allowing better and more general modelling and specification of procedural programs. I am also interested in the verification of floating-point computations, as well as approximate computing. Previously, I was a Ph.D. candidate and then a PostDoc in the deepse group, at DEIB, Politecnico di Milano, where I was involved in the PIACERE H2020 project, in which I was investigating ways of model checking Infrastructure-as-Code.



ANDREA CHIESA

Sede lavoro: Università di Vienna (Austria)
SSD: 01 - Scienze matematiche e informatiche

ERC:	PE1 Mathematical foundations
Keywords:	Calcolo delle Variazioni



LORENZO CORSINI

H-Index:	13
Sede lavoro:	BioNTech R&D Austria GmbH (Austria)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Sviluppo di medicine; antimicrobiali

Lorenzo co-founded PhagoMed Biopharma, a biotech company focused on developing targeted antimicrobials based on synthetic endolysins, to treat antibiotic-resistant, biofilm- or microbiome -related conditions. He led PhagoMed as CEO until it was acquired by BioNTech in 2021 and renamed into BioNTech R&D (Austria), which Lorenzo now leads as Managing Director. Prior to starting PhagoMed in 2017, he was a Principal at the Boston Consulting Group. He did his PhD in molecular biology at EMBL Heidelberg and has diploma degrees in biochemistry and business administration.



FELICE DE SANTIS

H-Index:	17
Sede lavoro:	Borealis (https://www.borealisgroup.com/) (Austria)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	plastica

Felice De Santis obtained M.Sc. degree, magna cum laude, in Chemical Engineering at the University of Salerno, Italy, in January 2000. He earned the title of Ph.D. in "Chemistry and New Materials Technology" at the University of Palermo, Italy, in January 2004. He obtained the National (Italian) Scientific Qualification as Associate Professor in 2017. Before joining Borealis, as a Senior Researcher, he was in the Polymer Technology Group since 2000, during the doctorate (University of Palermo), and then with scholarships and research grants at the University of Salerno and at the University of Rostock in Germany (2004, 2006).



MARCO DELUCA

H-Index:	19
Sede lavoro:	Materials Center Leoben Forschung GmbH (Austria)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Ceramics, Structure-property relationships, functional materials, piezoelectric, dielectric, Raman spectroscopy

Marco Deluca received a Master in Chemical Engineering from the University of Trieste (Italy) and a Ph. D. in Materials Engineering from Kyoto Institute of Technology (Japan). He obtained in 2016 the Habilitation (venia docendi) in Materials

Science from the Montanuniversität Leoben (Leoben, Austria). The main theme of his scientific career is the study of structure-property relationships in functional oxide materials including ceramics and semiconductors for energy harvesting, energy storage and gas sensing applications. He is a fellow of the IEEE, of the European Ceramic Society and member of the Board of Directors of the Austrian Ceramic Society. He authored/co-authored more than 60 refereed publications in journals and conferences and two book chapters, and gave more than 20 invited presentations to international conferences and workshops. Marco Deluca is also Lecturer in the Materials Science Department of the Montanuniversität Leoben (Leoben, Austria).

LUCA FERRARI



H-Index:	7
Sede lavoro:	Max Perutz Labs (Austria)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Protein Quality Control; Neurodegeneration

Post Doc @ Max Perutz Labs, studying autophagy in neurodegeneration.

MARIA TERESA FERRETTI



Sede lavoro:	Women's Brain Project (Austria)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders LS7 Diagnostic tools, therapies & public health
Keywords:	Alzheimer, gender medicine

Maria Teresa Ferretti is a neuroscientist and neuroimmunologist, an expert in Alzheimer's and gender medicine. In 2016, she co-founded the non-profit organization "Women 's Brain Project" (of which she is currently Chief Scientific Officer), a world leader in the field of the study of sex and gender specificities and the importance of precision in neurological and psychiatric diseases. She graduated in Pharmaceutical Chemistry and Technologies at the University of Cagliari (Italy), then studied and worked in England, Canada (where she earned a PhD in Pharmacology and Pharmacological Therapy at McGill University in Montreal), Switzerland and Austria.

CESARE FRANCHINI



H-Index:	34
Sede lavoro:	Full Professor (Austria)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Computational Quantum Materials

Full Professor on Quantum Materials Modelling at the University of Vienna. 100 publication, h=34. My research is concerned with the theoretical understanding and computational modeling of complex materials using quantum mechanical methodologies based on Density Functional Theory (DFT), Hartee-Fock, Many-body perturbation theory (GW, RPA, BSE), model electronic/spin effective Hamiltonians, molecular dynamics and quantum/classical Monte Carlo schemes. The main research area is Computational Quantum Materials in three (bulk) and reduced dimensions (surfaces, interfaces and nanostructures).

MARCO GIOVANNETTI



H-Index:	7
Sede lavoro:	Gregor Mendel Institute (Austria)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	biologia vegetale, sviluppo delle radici, endosimbiosi, nutrizione vegetale, genetica di associazione

I'm postdoc, at my 3rd year, at Gregor Mendel Institute, within Vienna BioCenter, a major European hub for studies in Genetics and Molecular Biology. My actual expertise is plant root genetics and development with a special focus on high throughput phenotyping, Genome Wide Association Studies and multiple plant species responses to phosphate deficiency. My PhD studies (Department of Life Sciences and Systems Biology, University of Torino) were mainly aimed at unravelling genetic determinants controlling arbuscular mycorrhizal symbiosis in Lotus japonicus, under the supervision of Prof. Bonfante, one of the major experts of arbuscular mycorrhizal symbiosis. In spite of my early career, I already participated in international scientific congresses, I have been selected several times to give talks, organized departmental and international meetings and co-supervised several Bachelor and Master students. Since October 2017, I'm also active in communication science at different levels.

ANDREA LUCIANI



Sede lavoro:	International Atomic Energy Agency (Austria)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Fisica applicata, radioprotezione, fisica medica

Education • Graduation in Physics (University of Bologna, Italy) • Postgraduate School on Health Physics (University of Bologna, Italy) • Qualification as Qualified Expert in Radiation Protection (Ministry of Labour, Italy) • PhD on Electrotechnical Engineering (University of Karlsruhe, Germany) Professional Experience • Till 2009 at ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development – Institute for Radiation Protection): - researcher in the field of internal dosimetry - contributor to European Commission funded projects in the field of education and training in radiation protection • After 2009 at IAEA: - Radiation Safety Training Specialist: focal person for the education and training activities in radiation protection and safety within the IAEA Division of Radiation, Transport and Waste Safety

LAURA MAGGINI



H-Index:	15
Sede lavoro:	Universität Wien (Austria)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	Organic materials, advanced materials, functional materials, sustainable materials, formulation, processing, device integration, manufacturing

After obtaining my Master Degree in Chemistry at the University of Rome – Sapienza (Italy) in 2006, I moved to the University of Namur (Belgium) as a MSCA ITN ESR PhD candidate (Finelumen, N°215399), to pioneer the exploitation of the supramolecular functionalisation of CNTs. Funded by two consecutive MSCA Individual Fellowships I first joined the group of Prof. De Cola at the Institut de Science et d'Ingénierie Supramoléculaires, University of Strasbourg (France), to

develop “breakable” functional silica NPs for drug delivery (Pop-silica, N° 627788). And later the group of Dr. De Volder at the Institute for Manufacturing, University of Cambridge (UK), to study the controlled assembly of hybrid nanomaterials exploiting additive manufacturing technologies (Supra-CNTs, N° 702435). Since 2020 I joined the Institute for Organic Chemistry at the University of Vienna as Senior Researcher developing novel manufacturing and scale up production processes for functional organic materials.

ANGELO NUZZO



H-Index:	10
Sede lavoro:	FFG Austrian Research Promotion Agency (Austria)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE6 Computer science & informatics
Keywords:	Bioignegneria, Bioinformatica, Genomica

Angelo Nuzzo is a Biomedical Engineer by training, with more than 10 years of international experience in software development and data analysis for biomedical applications (Artificial Intelligence for Bioinformatics and Genomic Sequencing), holding project management, innovation management and business management positions in Academia, Pharma/Biotech industry as well as Information Technology start-ups. Dr Nuzzo is working in the department of European and International Programmes at FFG. As the Austrian National Contact Point for the European Innovation Council, he is supporting innovative companies to develop new technologies into business opportunities, in order to promote international industrial innovation

STEFANO PASSERINI



H-Index:	8
Sede lavoro:	IAEA - International Atomic Energy Agency (Austria)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Nucleare, Energia

Ph.D. in Nuclear Science and Engineering with experience in Safeguards, Advanced Reactor Engineering, Heat Transfer, Fuel Cycle Analysis, Modeling and Simulation.

ILARIA PERUGIA



Sede lavoro:	Universita' di Vienna (Austria)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations



PAOLO PIOVANO

Sede lavoro: Universita' di Vienna (Austria)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

P.'s research area is PDEs and Nonlinear Analysis with applications to Materials Science. The research program involves the investigation of models in Continuum, Molecular, and Statistical Mechanics with a focus on both free boundary problems and the atomistic setting. The applications includes the epitaxial growth of thin films, the optimal shapes of crystal interfaces, and the stability of material nanostructures. The methodology is based on configurational-energy minimization, isoperimetric characterization, Gamma-convergence, dimension reduction, and minimizing-movement techniques.



LIDIA PITTARELLO

Sede lavoro: Naturhistorisches Museum Wien (Austria)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science
Keywords: Petrologia, petrografia, microstrutture, shock

Sin da laurea (deformazione di granitoidi) e dottorato (terremoti fossili registrati in rocce ignee) mi sono dedicata a comprendere processi deformativi in condizioni estreme. Attraverso diversi post-doc in Europa e brevi soggiorni di studio in Giappone, ho esteso i miei interessi al metamorfismo da shock ed alle meteoriti. Oltre a ricerca e curatela, non manca l'aspetto didattico, con corsi universitari, escursioni e co-supervisione di vari studenti. In parallelo agli studi geologici, mi sono diplomata in Organo e composizione organistica presso il Conservatorio Statale A. Steffani di Castelfranco V.to. e dal 2000 accompagno regolarmente il servizio religioso in diverse chiese.



ELISA QUAI

Sede lavoro: IAEA - International Atomic Energy Agency (Austria)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: Fisica Nucleare, Fisica Medica



CLELIA SARNELLI

H-Index: 0
Sede lavoro: Takeda (Austria)
SSD: 06 - Scienze mediche
ERC: LS7 Diagnostic tools, therapies & public health
Keywords: Plasma therapies, farmaceutical sciences

WORK EXPERIENCE - Research Associate, Analytical Development/Plasma Protein Analytics - Plasma Derived Therapies TAKEDA - Vienna - Austria Dec 2020 - present - LAB TRAINEE VIENNA UNIVERSITY OF TECHNOLOGY - Vienna - Austria Oct 2015 - Aug 2016 EDUCATION - II LEVEL PROFESSIONAL MASTER'S PROGRAMM IN MANAGEMENT AND MARKETING OF THE PHARMACEUTICAL INDUSTRY ALMA LABORIS Business School - Rome - Italy Nov 2020 - Mar 2021 - QUALIFICATION FOR THE PROFESSION OF CHEMIST UNIVERSITY OF NAPLES "FEDERICO II" - Naples - Italy Jul 2020 - MASTER OF SCIENCE IN CHEMICAL SCIENCE UNIVERSITY OF NAPLES "FEDERICO II" - Naples - Italy Oct 2014 - Dec 2017 - MASTER OF SCIENCE IN MOLECULAR BIOTECHNOLOGY VIENNA UNIVERSITY OF APPLIED SCIENCES - Vienna - Austria Sep 2019 - Feb 2020 - BACHELOR OF SCIENCE IN CHEMISTRY UNIVERSITY OF NAPLES "FEDERICO II" - Naples - Italy Oct 2010 - Jun 2014 LANGUAGE SKILLS - Italian, MT - German, C1 - English, B2



DAVIDE SERUGGIA

H-Index:	16
Sede lavoro:	CeMM and CCRI (Austria)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	chromatin, hematopoiesis, leukemia

Davide Seruggia obtained a degree in Biotechnology at the University of Milano-Bicocca (Italy) in 2010, and a PhD in Molecular Biology at the National Centre for Biotechnology (CNB-CSIC) in Madrid (Spain) in 2014. During his PhD under the supervision of Lluis Montoliu, he focused on non-coding DNA regulatory sequences of pigmentation genes, and generated several mouse lines carrying deletions of selected enhancers. Analysis of these mice highlighted the relevance of non-coding elements in regulating patterns of gene expression. In 2015 he joined the laboratory of Stuart H. Orkin at Boston Children's Hospital, where he trained in hematology, stem cell biology and genomics. In 2020 he awarded an ERC Starting Grant, and started his independent career in 2021, when he joined the Children's Cancer Research Institute (CCRI) as Principal Investigator and CeMM as Adjunct Principal Investigator.



GIACOMO ENRICO SODINI

Sede lavoro:	Universität Wien (Austria)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations

October 2022 - ongoing: University assistant in the group of Ulisse Stefanelli at the Faculty of Mathematics - UniWie. November 2019 - September 2022: Phd in mathematics (summa cum laude) at TU Munich - IAS under the supervision of Massimo Fornasier and Giuseppe Savaré. October 2017 - October 2019: Master degree (cum laude) in Mathematical Engineering at Politecnico di Milano. Advisors: Luigi Ambrosio and Sandro Salsa. October 2014 - July 2017: Bachelor degree (cum laude) in Mathematical Engineering at Politecnico di Milano. Advisor: Matteo Gregoratti. September 2009 - July 2014: High school (scientific studies) at Liceo Respighi - Piacenza (Italy).



ALFREDO SOLDATI

H-Index:	40
Sede lavoro:	TU Wien (Austria)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Alfredo Soldati is Professor of Fluid Mechanics and Head of Institute of Fluid Mechanics and Heat Transfer at TU Wien. Research associate at the University of California at Santa Barbara, full professor at the University of Udine (now part-time). Rector of the International Centre for Mechanical Sciences in Udine. Alfredo's research is concerned with the fundamental processes in multiphase turbulent flows, where understanding interactions at the small scales can help us to predict consequences at the macroscale in a variety of environmental and industrial applications. Fellow of the American Physical Society and Fellow of the EUROMECH, he received the 2007 ASME Robert Knapp award, the 2015 ASME Lewis Moody award, the 2020 ASME Freeman Scholar Award, and the International 2018 Prize and Gold Medal Panetti–Ferrari from Accademia delle Scienze Torino, Italia. He is currently the co-Editor in Chief of the International Journal of Multiphase Flow.

AMEDEO STAIANO



H-Index:	186
Sede lavoro:	Italian Embassy in Austria, Vienna (Austria)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	High energy physics, particle physics, particle detectors, radiation detection, silicon detectors, particle therapy

I have carried on the most of my research activity in High Energy Physics in two large international laboratories, the Deutsches Elektronen SYnchrotron (DESY) in Hamburg e at CERN in Geneva, and for also, for more limited periods, at SLAC (Paolo Alto California) and JINR (Dubna, Russia). I have been National contact person of the Italian ZEUS collaboration groups at INFN, CMS experiment Torino Team Leader, Member of the INFN Directorate as Director of Torino INFN Unit, Director of the INFN Central Administration External Funds Unit, and I am currently Scientific Counsellor at the Italian Embassy of Austria, Vienna.

MATTEO TOMMASINI



H-Index:	4
Sede lavoro:	University of Vienna (Austria)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	geometria algebrica, teoria delle categorie

Dopo il dottorato in matematica presso la SISSA di Trieste ho lavorato come postdoc ad Hannover e in Lussemburgo, per poi trasferirmi a Vienna. Dal 2017 lavoro come manager scientifico di un progetto di ricerca in matematica presso Università di Vienna, TU Wien e IST Austria. https://matteotommasini.com/

RICCARDO TRAPANNONE



Sede lavoro:	Max Perutz Labs Vienna (Austria)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

Non disponibile

ALESSANDRO VENTURINO



Sede lavoro:	Institute of Science and Technology Austria (Austria)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscienze, Fisiologia, Sinapsi, Microglia

See attached CV

CATERINA VIZZARDELLI



H-Index:	16
Sede lavoro:	Medical University Vienna (Austria)
SSD:	06 - Scienze mediche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Immunologia

Ho studiato biologia molecolare e ho lavorato per tre anni nel campo dei trapianti di cellule per il diabete presso l'Università di Miami. Ho poi conseguito il dottorato di ricerca in immunobiologia a Milano. Contemporaneamente, ho iniziato a creare una struttura di microarray (Genopolis), organizzato corsi nazionali (italiani) e internazionali (EMBO), insegnato come docente e tutor presso l'Università di Milano-Bicocca e ho partecipato a vari congressi. Dal quando sono a Vienna, ho lavorato l'Istituto di ricerca sul cancro infantile St. Anna (CCRI), in immunologia dei tumori e cellule dendritiche. In seguito ho lavorato presso l'Università di Medicina di Vienna nel reparto di allergologia, Università di Vienna e di nuovo all' Università di Medicina di Vienna con un mio progetto finanziato dall' Austrian Science Fund (FWF) e sto preparando la mia abilitazione. Sono simpatica, allegra e mi piace fare attività sportiva nella natura.



Technische Universität Wien (foto P. Haas)

BELGIO



CORRADO ALTOMARE

H-Index:	7
Sede lavoro:	Gent Universiteit (Belgio)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE6 Computer science & informatics PE8 Products & process engineering

Coastal engineer with consolidated experience in laboratory techniques and numerical modelling. 10-year career with broad and solid international network. Research activity focused on the interaction of sea waves with coastal structures and the study of wave energy converters. Graduated in Civil Engineering with 110/110 cum laude. PhD focused on harbor structures. Working at Flanders Hydraulics Research (FHR) in Antwerp since 2012 as Post-doc from Ghent University. At FHR, responsible of physical and numerical modelling for the assessment of wave overtopping and loadings on coastal structures. Expertise and international standing have been recognized by being invited to be Member of the Steering Committee for the EurOtop manual and by becoming core developer of the open source SPH-based DualSPHysics model. Co-authored the Methodology Book for the Safety Assessment of the Flemish Coast (2015). Involvement in numerous research projects with world leading universities and laboratories.



SERGIO ALTOMONTE

H-Index:	11
Sede lavoro:	Universite' catholique de Louvain (Belgio)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society PE8 Products & process engineering
Keywords:	Architecture, Sustainable Environmental Design, Comfort, Health, Wellbeing

Sergio Altomonte is Professor of Architectural Physics at the Université catholique de Louvain where he leads the research group Architecture et Climat. He previously held academic posts at the University of Nottingham (UK, 2007-17), Deakin University (Australia, 2004-07) and the University La Sapienza (Italy, 2002-04). He has held visiting professorial and research roles at the Royal Danish Academy (Denmark, 2013-15) and the University of California Berkeley (USA, 2012-current). His research expertise is centred at the intersection between indoor environmental quality, building psychophysics and sustainable development. His work aims at the development and testing of systems, strategies, and solutions that enhance user comfort, health and well-being, support energy performance and improve the spatial qualities of buildings. He is author of some 70 research outputs, including a book, chapters in edited books and papers in peer-reviewed international journals and conference proceedings.



DANIELA ANNIBALI

H-Index:	12
Sede lavoro:	Gynecological Oncology, KU Leuven, Leuven, Belgium (Belgio)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology

Current positions: Senior PostDoc Gynecological Oncology at KU Leuven, BE Senior visiting PostDoc at The Netherlands Cancer Institute (NKI), NL Previous research experience: Jun 2017-Dec 2017 Manager at TRACE, the KU Leuven Patient Derived Xenograft Platform. Nov 2016-Aug 2017 Visiting Scientist at the Netherlands Cancer Institute, NL. Apr 2011-May 2014 PostDoc at the Vesalius Research Center (VRC), Vlaams Insitute voor Biotechnologie (VIB), BE. Jan 2009-Mar 2011 PostDoctoral Research Fellowship, Institute of Molecular Biology and Pathology (IBPM), CNR, Rome, IT Mar 2010-Aug

2010/Sept 2009-Dec 2009: Visiting Scientist at UCSF, San Francisco, CA, USA Degrees: 2009: PhD in Genetic and Molecular Biology, XXI Cycle, University of Rome “Sapienza” 2005: Master in Biological Science, University of Rome “Sapienza” 1997: High School, Maturità Classica, Rome Scientific output: 23 original research articles and 1 book chapter. H-index: 12



SILVIA ARMINI

Sede lavoro: IMEC (Belgio)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis

Master in Chemistry at U Perugia, Italy Specialization Master in Materials for micro and nano-technologies (U Pavia, Italy)PhD summa cum laude in electronic engineering Plus 15 years’ experience of the material research and microelectronics (focus on surface functionalization, polymer science and thin film deposition and characterization, including novel low-k dielectric materials, such as periodic mesoporous organosilicas (PMOs) and metallorganic frameworks (MOFs)) with a strong blend of technical and scientific expertise Key skills include analytical and research skills, presentation skills and teamwork Experience in people management Experience in project management, included EU FP7 projects and Industrial JDPsTechnical reference in joint projects with external companies and universities Author and coauthor of +120 peer-reviewed publications and +90 international conference contributions + 10 granted patents Appointed member of the Editorial Advisory Committees



COSTANTINO BALESTRA

H-Index: 26
Sede lavoro: Haute Ecole Bruxelles-Brabant, Université Libre de Bruxelles (Belgio)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS4 Physiology, Pathophysiology & Endocrinology LS5 Neurosciences & neural disorders LS9 Applied life sciences & biotechnology
Keywords: Integrative physiology, Extreme environments, Neurophysiology, Fatigue, Oxygen, Normobaric Oxygen Paradox, Hyperbaric, Hypobaric, Diving

Name, Surname :BALESTRA Costantino Gender :Male Married, 3 Children Country, town and date of birth: Italy, Udine, 13 february 1964 Citizenship :Belgian (2nd citizenship : Italian) Legal Address: Chemin des Voiturons 107 – 1420 BRAINE-L’ALLEUD Postage Address: Chemin des Voiturons 107 – 1420 BRAINE L’ALLEUD Telephone, fax, email :+32 475/48.64.34 – daneuben@skynet.be – balestra@daneurope.org - cbalestr@ulb.ac.be Linguistic skills: actively : French : Mother Tongue English : In depth working knowledge Italian :second Mother Tongue passively : German : Pratical level use Dutch : basic knowledge Loop profile: 241376 ResearcherID: F-2969-2011 Scopus Author ID: 7004063908 ORCID iD: https://orcid.org/0000-0001-6771-839X



SIMONE BENAZZO

Sede lavoro: Université libre de Bruxelles (UlB) (Belgio)
SSD: 14 - Scienze politiche e sociali
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: democrazia, autoritarismo, ue

Dottorando in scienze politiche presso l'Université libre de Bruxelles (UlB)

GIANLUCA BONTEMPI



H-Index:	60
Sede lavoro:	ULB (Belgio)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Machine learning, data science, forecasting, data mining, fraud detection, data mining

Gianluca Bontempi interests cover big data mining, scalable machine learning, bioinformatics, time series prediction and simulation. He is Full Professor in the Computer Science Department of ULB and coHead of the ULB Machine Learning Group. In 2013-17 he has been Director of the ULB-VUB Interuniversity Institute of Bioinformatics in Brussels.

DAVIDE BRUSA



H-Index:	13
Sede lavoro:	UCL (Belgio)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Tumor Immunology

I am currently in charge of the Flow Cytometry Platform of the IREC Institution at the UCL University in Brussels, Belgium. I have nearly 15 years progressive experience in Flow Cytometry and 4 years in Cell Sorting. This has equipped me with a broad range of technical skills. As responsible of the Technological Platform, my daily tasks are to help all researchers in the analysis as well as in the project design, sample preparation and maintenance of the all instruments in the research center. Furthermore, I take Flow Cytometry Training Courses for all the researchers who want to approach to this very useful technique for medical sciences. I take care of financial balance of the Platform. Prior to this, I worked as a researcher in Tumor Immunology field, and my PhD thesis was entitled “Immunoescape mechanisms of the prostatic tumor”. My new research fields are very wide because in our institution there are many different topics more linked to the Experimental and Clinical Research.

MASSIMO BUSUOLI



Sede lavoro:	NTNU - Norwegian University of Science and Techology (Belgio)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE6 Computer science & informatics

Currently: Head of NTNU (Norwegian University of Science and Technology) Brussels office, GII Counselor (gruppoiniziativaitaliana.eu), Secretary UnILiON-University Informal Liaison Offices Network Previously: ENEA European Union and International Stakeholders Head of Unit, EERA secretariat coordinator, IGLO secretariat member (www.iglortd.org), GIURI Secretariat member (Italian Liaison Offices in R&I Informal group) From 1994 Working in EU project management field From 2006 Working in R&I lobby in Brussels as ENEA Liaison office Director; Head of ENEA European Union and International Stakeholder Unit (10 people) in 2015 Since 2016 Head of NTNU Brussels Coordinator/partner in various EC projects Evaluator of EC proposals and EC projects reviewer 2005-2011 Board of Directors member of CUP2000 company (www.cup2000.it) 2013-2014 IGLO Secretary - secretariat member 2012-2015 2010-2012 GIURI Chair - secretariat member 2012-2015 SET-PLAN conference 2014 organisational coordinator

RITA CACACE



H-Index:	9
Sede lavoro:	University of Antwerp, Flanders Institute for Biotechnology (VIB), Center for Molecular Neurology (Belgio)
SSD:	06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS5 Neurosciences & neural disorders
Keywords:	iPSC-derived neurons, disease models, genetic mutations

Dr. Rita Cacace holds a PhD in biomedical sciences (University of Antwerp) and studies Alzheimer's disease and related dementias. Her work focuses on understanding the functional consequences of rare genetic variants to the disease etiopathogenesis. Her research is based on the genetic discoveries obtained throughout her PhD and postdoctoral studies. Dr. Cacace has a broad range of expertise from genetics to functional biology and disease models, particularly in data mining of whole-genome and whole exome sequencing data for disease gene identification as well as design and analysis of high-throughput gene-based sequencing assays. Dr. Cacace's in vitro expertise includes, but is not limited to, expression studies on both RNA and protein level; design and development of in vitro assays, handling and manipulation of both cancer cell lines and human-induced pluripotent stem cells, CRISPR-based genome editing and cell differentiation.

ANDREA CAMPOLEONI



Sede lavoro:	Université de Mons (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

Researcher working on high-energy theoretical physics, with focus on modified theories of gravity, especially those involving particles of spin greater than two (higher-spin theories). Currently working as tenured research associate of the Fonds de la Recherche Scientifique - FNRS at the University of Mons, Belgium. Postdoctoral experiences at the Max Planck Institute for Gravitational Physics of Potsdam, Germany (2009-2012), the Université Libre de Bruxelles, Belgium (2012-2017) and ETH Zurich, Switzerland (2017-2018)

PATRICE D. CANI



H-Index:	91
Sede lavoro:	Professor and research director of the national funds (FRS-FNRS) (Belgio)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Energy metabolism, obesity, diabetes, gut microbiota, nutrition, prebiotics, probiotics, gut to brain axis

Patrice D. Cani is professor of Molecular Metabolism and Nutrition and leading a team at the Louvain Drug Research Institute (LDRI) of the University of Louvain (UCLouvain), Brussels, Belgium. He is researcher from the Belgian Fund for Scientific Research (FRS-FNRS) and WELBIO investigator. After a B.Sc. degree in dietetics he joined the Faculty of Medicine of UCLouvain where he received a M.Sc. in Nutrition, a M.Sc. in Health Sciences, and a PhD in Biomedical Sciences (physiology, metabolism and nutrition). He is member of the "Royal Academy of Medicine of Belgium" since 2016 and recipient of prestigious grants such as two European Research Council (ERC) grants (ENIGMO 2013 and Microbes4U 2016), several prizes and patents, published more than 320 publications and is highly cited researcher (Clarivate) and co-founder of 2 biotech companies (A-Mansia Biotech and Enterosys).

DAVID CANNELLA



H-Index:	14
Sede lavoro:	Université Libre de Bruxelles ULB (Belgio)
SSD:	05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Biotechnology, AgroBiotech, Biofuels, Enzymatic catalysis, Photo BioCatalysis

David Cannella graduated master in biotechnology in 2010 at LaSapienza, Rome and obtained the PhD in biochemistry of bioresources valorization in 2014 at the University of Copenhagen, Denmark. There DC was offered his first assistant professor position at the age of 32, obtaining the prestigious grant from Danish Research Council DFF-FTP. In 2017 DC moved to Université Libre de Bruxelles as permanent academic position. In 2018 he won major grants (MIS-FNRS, Innoviris-Bridge, ARC-Fed. Wallonie-Bruxelles) and 2019 inaugurated the PhotoBioCatalysis Unit Group today part of CropNutrition and Biocatalysis dept. and the Biomass Transformation Hub of ULB. The research interests are on Biochemistry, Biomass valorization and GreenChemistry for the production of Biofuels, Biomaterials and green chemicals via photo-biocatalysis processes aided by SunLight. The developed technologies find major applications in AgroBiotech for improved crop production, phytopathology and plant elicitor molecules.

DANIELE CATANZARO



H-Index:	13
Sede lavoro:	Université Catholique de Louvain (Belgio)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	optimization, mathematical programming, coding theory, medical bioinformatics

Professore Associato in Ricerca Operativa presso il Center for Operations Research and Econometrics (CORE) dell'Università Cattolica di Lovanio (UCL). I miei interessi di ricerca riguardano la matematica applicata, l'ottimizzazione discreta, la teoria dei codici, e la bioinformatica medica.

MARCO CAVALIERI



Sede lavoro:	Université catholique de Louvain (UCLouvain) (Belgio)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Archeologia, Mondo romano, archeologia della produzione, tarda Antichità, Ostia, villa, Sabini

Archéologue et historien de l'art classique (Grèce, Étrurie et Rome), Marco Cavalieri s'est formé à l'Université de Parme, où il a obtenu son diplôme de licence en 1996. Après une spécialisation (3e cycle) à l'Université de Florence (1999) et une dissertation doctorale à l'Université de Pérouse (2003), il a été engagé à l'UCLouvain en septembre 2003 où il est à présent professeur ordinaire d'archéologie romaine. Il est spécialiste de l'urbanisme, de l'architecture et de la sculpture de l'Italie et des provinces romaines de l'Occident ; il a dirigé et participé à de nombreuses fouilles dans le Frioul Vénétie-Julienne, en Émilie Romagne, en Toscane, dans le Latium, en Sardaigne et en Albanie. Au nom de l'UCLouvain, il est responsable scientifique de la fouille archéologique à la villa romaine d'Aiano (Commune de San Gimignano, Sienne) de la mission

archéologique à Cures Sabini (province de Rieti), capitale du peuple sabin, ainsi que du projet de recherche à Ostie, port de Rome.

UMBERTO CELANO



H-Index:	22
Sede lavoro:	imec (Belgio)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	Semiconductors, Materials Analysis, Nanoelectronics

Umberto Celano is a principal scientist at imec (Belgium), with expertise in materials analysis for semiconductor technology, device physics and nanoscale functional materials. He received his Ph.D. in Physics from the University of Leuven - KU Leuven (Belgium) in 2015. His research has established a novel three-dimensional nanoscale imaging technique that combines sensing with sub-nm material removal to study materials in confined volumes. Currently, Dr. Celano's research interests encompass nanoelectronics, nanophotonic, functional materials and VLSI metrology. In these areas, he conducted research in various institutions including KU Leuven, Osaka University and Stanford University.

LUCIANO CURRERI



Sede lavoro:	ULIEGE (Belgio)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production

LC (1966) insegna lingua e letteratura italiana all'Université de Liège dal 2002. Fra gli autori che ha tradotto, in e dall'italiano, o di cui ha curato l'edizione, per Amos, Cerisier, Einaudi, Ilisso, Mondadori, Nerosubianco, Quiritta, figurano: Collodi, Gualdo, Salgari, Maeterlinck, Thiry, Dessí, Rossetti, Verheggen, Baravalle, Baetens. Tra le prove narrative: Volevo scrivere un'altra cosa (2019), proposta da Barbero allo Strega, e Il non memorabile verdetto dell'ingratitudine (2021). Ha partecipato a «Il Tempo e la Storia» dal 2013 al 2016 e dal 2019 interviene a «Passato e Presente» (RAI3). Tra i lavori saggistici: Le farfalle di Madrid (2007, tr. sp. 2009), D'Annunzio come personaggio (2008), L'elmo e la rivolta (2011, con Palumbo), L'Europa vista da Istanbul (2014), Misure del ritorno (II ed. 2016), Play it again, Pinocchio (2017), La Comune di Parigi e l'Europa della Comunità? (2019). Il 28 maggio 2020 gli è stata conferita l'onorificenza dell'ordine della Stella d'Italia.

FRANCESCO DAL DOSSO



Sede lavoro:	KU Leuven (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Ingegneria Biomedica, diagnostica, biosensori, point-of-care test, life science, lab-on-chip, microfluidics

Francesco Dal Dosso obtained his PhD at the Biosensors group in Bioscience Engineering at KU Leuven and currently, he is Innovation Manager (permanent staff) at the KU Leuven, the most innovative university in Europe (and 7th in the world). His main research interests involve novel concepts for point-of-care in vitro diagnostics and his expertise includes

microfluidics, lab-on-a-chip, point-of-care test, immuno- and DNA-based assay, microfabrication and surface functionalization. As Innovation Manager, he is responsible for the valorization of the research done under the umbrella of the IDiaLiST consortium he coordinates. In this context, he is scouting for new exploitation opportunities such as spin-off creation, industrial collaborations, patent applications and licensing. He is (co-)author of > 25 peer reviewed research papers and conference contributions (Biosensors, MicroTAS) and inventor of 5 patents (1 patent granted in US).

VINCENZO DE FLORIO



H-Index:	21
Sede lavoro:	Vlaamse Instelling voor Technologisch Onderzoek (Belgio)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Resilience, antifragility, Adaptivity, Evolvability, socio-technical systems, community resilience, software engineering

Vincenzo De Florio is a post-doctoral researcher with the ECCO research group of the Free University of Brussels. His major research interest is adaptive-and-dependable systems, namely software, devices, and services that are built so as to sustain an agreed-upon quality-of-service and quality-of-experience despite the occurrence of potentially significant and sudden changes or failures in their infrastructures and environments. Vincenzo De Florio received in 2013 the prestigious IBM Faculty Award for innovative research. He has published three books (one as author, two as editor) and about 130 papers. He is member of several program committees for international conferences and workshops. He is co-Editor-in-chief of IJARAS, the International Journal of Adaptive, Resilient and Autonomic Systems. Vincenzo launched and is chair of ANTIFRAGILE - the International Workshop on Computational Antifragility and Antifragile Engineering, now in its fifth edition.

R. DANIELE DE SIATI



H-Index:	7
Sede lavoro:	Centre d'AudioPhonologie des Cliniques Universitaires Saint Luc (Belgio)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Audiologia - neuro-otologia - impianti cocleari

Laurea in Medicina e Chirurgia presso l'Università di Modena e Reggio Emilia, includendo un anno di mobilitazione internazionale Erasmus a Saragozza, con una tesi sulla riabilitazione chirurgica dei pazienti laringectomizzati. Il corso di specializzazione in Audiologia e Foniatria ha avuto luogo presso l'Università di Padova nelle sedi ospedaliere di Treviso e, nell'ambito della ricerca, nel Venetian Institute of Molecular Medicine (VIMM) di Padova, partecipando ai progetti di ricerca sulla terapia genica nelle malattie congenitali dell'udito. La mia tesi di specializzazione trattava i potenziali evocati uditivi tardivi, in collaborazione con l'ospedale universitario St Luc dell'Università di Lovanio, nella quale il mio percorso di formazione e ricerca é proseguito con la specializzazione in Otorinolaringologia ed una tesi sulla plasticità cerebrale cross-modale delle funzioni uditive ed olfattive. Attualmente svolgo attività clinica e di ricerca nella stesso ospedale bruxellese.

DANIELA DE SIMONE



Sede lavoro:	Ghent University (Belgio)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past

Keywords:	Indian Studies, Indian Archaeology, South Asian Archaeology, South Asian Studies, Buddhism, South Asia, India

Daniela De Simone is an archaeologist specialising in early India and Assistant Professor of Indian Studies at Ghent University. Previously, she was Curator of the South Asian Archaeological Collections at the British Museum, where she curated the current displays of South Asian archaeological materials, Assistant Programme Specialist at UNESCO New Delhi, where she worked on the sustainable conservation of Indian old city areas, and Excavation Supervisor at the site of Gotihawa, an important early Buddhist stupa site in the Nepalese Terai, for the Italian Institute for Africa and the Orient (IsIAO). She studied Indian Languages and Cultures at “L’Orientale”, University of Naples, where she earned her PhD in 2012. Professor De Simone is the Principal Investigator of "The Nilgiri Archaeological Project" (2021-2026), funded by an FWO Odysseus II grant, and "Excavations at Bodhgaya, the Site of the Buddha's Enlightenment" (2021-2024), funded by Harvard University.



EMILIO DI LORENZO

H-Index:	7
Sede lavoro:	Siemens Digital Industries (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Aeronautica, Energie rinnovabili, automobilistico

Emilio e' laureato in Ingegneria Aerospaziale e Astronautica nel 2012 presso l'Universita' di Napoli "Federico II". Ha conseguito nel 2017 il dottorato industriale congiunto in Belgio presso Siemens Digital Industries ed in collaborazione sia con KU Leuven che con la "Federico II". A partire da Maggio 2017 ricopre la posizione di Senior Research Engineer nel settore di Ricerca e Sviluppo presso Siemens Digital Industries e gestisce un gruppo di ricerca in ambito automobilistico, aeronautico ed energetico.



MARCO DORIGO

H-Index:	112
Sede lavoro:	Université Libre de Bruxelles (Belgio)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Swarm intelligence, swarm robotics

Marco Dorigo received his PhD in electronic engineering in 1992 from Politecnico di Milano. From 1992 to 1993, he was a research fellow at the International Computer Science Institute, Berkeley, CA. Since 1993, he is at Université Libre de Bruxelles where in 1996 became a tenured researcher of the F.R.S.-FNRS, the Belgian National Funds for Scientific Research. He is now co-director of IRIDIA, the artificial intelligence laboratory of the ULB. He is the Editor-in-Chief of Swarm Intelligence, and associate editor or member of the editorial board of many journals on computational intelligence and adaptive systems. Dr. Dorigo is a Fellow of AAAI, EurAI and IEEE. He was awarded the Italian Prize for Artificial Intelligence in 1996, the Marie Curie Excellence Award in 2003, the F.R.S.-FNRS Quinquennal award in applied sciences in 2005, the Cajastur International Prize for Soft Computing in 2007, an ERC Advanced Grant in 2010, and the IEEE Frank Rosenblatt Award in 2015.



BERNARDO ERCOLI

Sede lavoro: Ludwig Institute for Cancer Research (Belgio)
SSD: 03 - Scienze chimiche 05 - Scienze biologiche
ERC: LS3 Cellular and Developmental Biology

dopo la laurea in CTF, sono emigrato in Belgio lavorando 6 mesi all'UGent come research assistant. Dopo questo periodo ho iniziato a lavorare come tecnico di laboratorio in un centro di ricerca sull'immunoterapia contro il cancro.



BERNARDO ERCOLI

Sede lavoro: Galapagos NV (Belgio)
SSD: 03 - Scienze chimiche
ERC: LS9 Applied life sciences & biotechnology

Work experience Galapagos, Mechelen Ludwig Cancer Research Ghent University



LUCA FENZI

Sede lavoro: KU Leuven (Belgio)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations PE6 Computer science & informatics

I am currently a Ph.D. student at KU Leuven, Department of Computer Science, Numerical Analysis and Applied Mathematics section, under the supervision of Wim Michiels. My research interests spread in applied mathematics, especially in Numerical Analysis, Statistics, Control Theory, and Optimization. My Ph.D. topic deals with robust stability optimization of time delay systems in a probabilistic framework. I daily work with Matlab and LaTeX, and sometimes I use R and HTML. I am passionate about communication in science and effective graphical display.



ELEONORA FERRARIS

Sede lavoro: Catholic University of Leuven (Belgio)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering
Keywords: Additive Manufacturing, Printed Electronics, tissue engineering, Fused Filament Fabrication, Aerosol Jet Printing

Eleonora Ferraris is Associate Professor in the Faculty of Engineering Technology, Department of Mechanical Engineering, KU Leuven, Belgium. She is responsible for research and teaching activities in the field of advanced manufacturing and she is head of the Advanced Manufacturing research Laboratory (AML, https://iiw.kuleuven.be/onderzoek/aml/home), at Campus De Nayer. Her expertise ranges from high precision and micromachining to hard manufacturing, also including research methodologies and system development. Her current research interest is nozzle based additive manufacturing, including extrusion and jet based technology, with focus on biomaterials (hydrogels, and thermoplastics) and biomedical applications (tissue engineering (TE) and printed (bio-)electronics). Despite the recent establishment, the AML group is

fast growing and counts several research and industrial collaborative activities within and outside the department, as well nationally and internationally.

GERARDO FRACASSO



Sede lavoro:	University of Antwerp (Belgio)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	interazione ospite-parassita, evoluzione, life-history, parassitologia, quantitative genetics

After a bachelor degree in Biology, Gerardo Fracasso enrolled in Evolutionary Biology at the University of Padova (Italy). In 2015, he carried out a six-month thesis internship at the Konrad Lorenz Institute of Ethology (KLIVV) in Vienna where he investigated odour perception in house sparrows (Passer domesticus). He graduated in March 2016 after which he enrolled at the Doctoral school of the University of Antwerp (Belgium) as PhD candidate in Biology. Gerardo is now a PhD student at the Evolutionary Ecology group (EVECO) under the supervision of prof. dr. Erik Matthysen and dr. Dieter Heylen. His current research focuses on host-parasite interaction in a songbird-tick system, namely the tree-hole tick (Ixodes arboricola) fed for two consecutive generations on great tits (Parus major). In this model system he investigates the individual variation of parasite life-history traits with the aim to determine the main predictors of parasite success and their evolutionary potential.

LORENZO FRANCHI



H-Index:	0
Sede lavoro:	University of Antwerp - Antwerp Management School (Belgio)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE7 Systems & communication engineering
Keywords:	Trasporti

Laure triennale in Ingegneria Aerospaziale. Laurea magistrale in Transport Systems Engineering. Esperienze all'estero: - Erasmus presso University of Zilina (Slovacchia) nel 2018; - progetto di tesi presso University of Antwerp (Belgio) nel 2019. Esperienze lavorative: - Associate Consultant presso PwC Italy dal 09/2019 al 02/2021 nel settore dei traporti e logistica; - Researcher presso AMS (Antwerp Management School, Anversa, Belgio) dal 03/2021 - presente.

EMANUELE GARONE



H-Index:	17
Sede lavoro:	Université Libre de Bruxelles (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Control; Constrained Control, Optimization-Based Control

Emanuele Garone received the Master degree (Laurea) and the Ph.D. degree in systems engineering from the University of Calabria, Rende, Italy, in 2005 and 2009, respectively. Since 2010 he is Associate Professor at the Control Design and System Analysis Department, Université Libre de Bruxelles, Brussels, Belgium. His current research interests focuses mainly on constrained control, reference governor, networked control systems, and aerial robotics. In 2014 he received

an honourable mention to the Young Author Prize of the 2014 IFAC World Congress. He is author of more than 100 peer reviewed papers. His current research group consists of 12 researchers.



ALESSIA GASPARINI

H-Index:	12
Sede lavoro:	GasthuisZusters Antwerpen (Belgio)
SSD:	02 - Scienze fisiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Fisica Medica, Dosimetria, Radioterapia, Radioprotezione

I currently work as a medical physicist researcher. My interest lies in implementation of novel radiotherapy techniques in preclinical research and experimental dosimetry. My background is in experimental solid state physics.



ANDREA GIAMMANCO

H-Index:	133
Sede lavoro:	FNRS (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Elementary particles, muons, heavy quarks, top quark, particle phenomenology, particle detectors,

Experimental particle physicist. Permanent researcher of the FNRS (Fonds National de la Recherche Scientifique) at Université Catholique de Louvain in Louvain-La-Neuve, Belgium. Initiator of the first Belgian activities in muon radiography, i.e. imaging of large structures using cosmogenic muons. Member of the Compact Muon Solenoid Collaboration at LHC, CERN, where I held a few managerial roles, in particular the coordination of the Simulations group (2011-2013) and that of the Quark Top Physics group (2014-2016). Ph.D. in Physics at Scuola Normale Superiore, Pisa, Italy, with a thesis based on data from the ALEPH experiment at LEP. Interested in particle physics simulations and applications of Machine Learning.



CLAUDIO GIGANTE

Sede lavoro:	Université libre de Bruxelles (Belgio)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Letteratura italiana

Claudio Gigante, professore ordinario all'Université Libre de Bruxelles, è dal 2003 titolare della cattedra di Letteratura italiana. Si è formato all'Università di Napoli "Federico II", dove si è laureato, ha conseguito il dottorato, e ha svolto attività di ricerca sino al 2003. Dal 2009-2010 al 2014-2015 ha insegnato anche come visiting professor all'Université de Lorraine. Tra i suoi libri: «Vincer pariemi più sé stessa antica». La 'Gerusalemme conquistata' nel mondo poetico di T. Tasso (Napoli 1996); Esperienze di filologia cinquecentesca (2003); Tasso (20193); La nazione necessaria (2013); Il Rinascimento (2016, con G. Alfano e E. Russo); Miti cristiani e forme del politico nella letteratura del Rinascimento (2017); Una coscienza europea. Zeno e la tradizione moderna (2020). Ha curato le edizioni del Giudicio di T. Tasso (2000), del trattato Contro gli astrologi di G. Savonarola (2000), della Gerusalemme conquistata. Ms. Vind. Lat. 72, per l'Edizione Nazionale di Tasso (2010).



TIZIANA GIRARDI

Sede lavoro: R&D (Belgio)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS9 Applied life sciences & biotechnology

Since March 2020 I am Project manager at Flamingo Therapeutics (Leuven-BE). a newly created spin-off company from VIB , UGent, University of Michigan and VIB's partner university KU Leuven, backed by venture capital investors to develop novel treatment options for various cancers, focusing on the non-coding genome 2017 – 2020: I started as Research scientist and became Project manager after one year at Complix NV, (Diepenbeek - BE). Complix is a biotech company leading the way in the use of biologics to target intractable or challenging disease targets. 2012- 2017: PhD student in Biomedical Science at the Laboratory for Disease Mechanisms in Cancer of Prof. Kim De Keersmaecker , at KU Leuven, (BE). During my doctoral training I studied the role of a new class of mutations in carcinogenesis and more specifically in the context of T-cell leukemia. 2011-2012:Lab technician at the Laboratory of Molecular Biology of Leukemia of Prof. J. Cools at KULeuven, (BE)



MICHELE GIUGLIANO

H-Index: 24
Sede lavoro: Universiteit Antwerpen (Belgio)
SSD: 05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC: LS4 Physiology, Pathophysiology & Endocrinology
Keywords: Neurobiology, Neuroengineering, Computational Neuroscience

MG graduated in Electronic Engineering in 1997 at the Univ. of Genova, and in 2001 received his PhD in Bioengineering from the Polytechnic of Milan. He received an award from the Human Frontiers Science Program Organisation to pursue training as postdoctoral fellow in electrophysiology at the Inst. of Physiology of the Univ. of Bern (Switzerland), working with Profs. H.R. Luescher and S. Fusi. In 2005, he joined the lab of Prof. H. Markram at the Brain Mind Institute of the Swiss Federal Inst. of Technology of Lausanne, and in 2008 was appointed faculty at the Univ. of Antwerpen (Belgium), taking over the Theoretical Neurobiology lab founded by Prof. E. De Schutter and extending it to interdisciplinary experimental neuroscience and neuroengineering. During 2013-2015, he was visiting scientist at the Neuroelectronics Flanders Institute at IMEC, Leuven. Today, he is full professor in Antwerp and visiting fellow in Lausanne and at the University of Sheffield (UK).



STEFANO GUERRIERI

Sede lavoro: ams (Belgio)
SSD: 02 - Scienze fisiche
ERC: PE8 Products & process engineering
Keywords: microelettronica, nanoelettronica, sensori d'immagine, semiconduttori

More than 20 years of working experiences within IC semiconductor industry research and development. Background in device physics, materials, process development and process integration. Over the years, I worked in different roles: initially as an Engineer/single contributor and later as Program, Project and People Manager in both R&D institues and industrial environments. My main competences: - CMOS and image sensor technologies; - Process development and process integration; - Device yield improvement; - Electro-optical material properties; - Project management; - Interact with customers on R&D project definition, quotation, business and technical follow up; - Collaborate with internal and external wafer fab/foundries; - Manage people in multi-cultural and multi-national teams;

VALERIA IMPERATO



Sede lavoro:	Currently PhD student in biology at Hasselt University (Belgio)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Environmental microbiology, Bioremediation, Phytoremediation, Plant growth promotion bacteria

I graduated in biotechnologies. Currently PhD student at Hasselt University (Belgium). My research focuses on the isolation and characterisation of plant growth promotion bacteria capable to tolerate/degrade hydrocarbons for bioremediation applications.

BERNARDO INNOCENTI



H-Index:	24
Sede lavoro:	ULB - Université Libre de Bruxelles - École polytechnique de Bruxelles - BEAMS Department (Bio Electro and Mechanical Systems) (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Biomeccanica

Professor of Biomechanics at École polytechnique de Bruxelles, ULB, since 2012, Guest Professor at the Division of Biomechanics, Department of Mechanical Engineering, KU Leuven since 2011. Founder and ex-President of the CAOS Belgium, Society for Computer-Assisted Orthopaedic Surgery, member of the European Knee Society, European Society of Biomechanics, European Society of Sport Traumatology, Knee Surgery and Arthroscopy. His main research field is the orthopaedic biomechanics, in particular the analysis and investigation of the human knee joint. In this field he is author/co-author of more than 100 articles in international peer-reviewed journals, 4 book chapters and over 300 international conference contributions. He was awarded with several highly prestigious prices, as the 'Marc Coventry Award' in 2009 and the 'Richard S. Laskin Award' in 2011. Member ofthe Editorial Board of Journal of Arthroplasty, Journal Orthopaedic Surgery and Research and in other 6 international Journal.

CARLO SAVERIO IORIO



H-Index:	13
Sede lavoro:	Université libre de Bruxelles (Belgio)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 09 - Ingegneria industriale dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Sensing, heat and mass transfer

I currently hold a PhD in Applied Sciences from the Université Libre de Bruxelles, and have over 10 year experience as Senior Researcher at the Department of Chemical-Physics. Since 2012, I am coordinating the research unit on heat and mass transfer processes and the newly established unit on enhanced composite material research. My research interests are on heat and mass transfer processes with a focus on evaporative convection, complex fluid dynamics and cooling application.



TEODORO KATINIS

Sede lavoro: Universiteit Gent (Belgio)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH6 The study of the human past

Teodoro Katinis is Research Professor of Italian Literature at Ghent University, Department of Literary Studies. Among other positions, in 2015-2016 he was Marie Skłodowska-Curie Fellow at Ca' Foscari University of Venice. Katinis holds a Ph.D. in Italian (Johns Hopkins University) and a Ph.D. in philosophy (Università degli Studi Roma Tre). His first monograph, on philosophy and medicine in Marsilio Ficino (Edizioni di Storia e Letteratura, 2007), collects the first results of his research on the medical literature in the Italian Renaissance. Katinis' monograph on Sperone Speroni and the rebirth of sophistry in the Italian Renaissance (Brill, 2018) is the first study on the subject and opened the path for further international researches. The outcomes of other explorations of his, including Platonism and its enemies in the political literature of the Renaissance, Torquato Tasso's poems and poetics, and the early-modern dialogue, have been published in international journals and volume



RENATO LEPORE

Sede lavoro: Università di Mons (Belgio)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering

Dal 1995, ho lavorato come ricercatore nel dipartimento di Automatica dell'Università di Mons, nel campo del cemento, più particolarmente nell'automatizzazione dei processi di macinazione. In quel contesto, ho conseguito la mia tesi di dottorato che trattava del controllo avanzato (ottimale e/o predittivo) di questi processi, ma pure di quelli di polimerizzazione. Dal 2006 ad oggi, ho proseguito il lavoro di ricerca nel dipartimento di Termodinamica e Fisica Matematica della stessa università, nella modelizzazione e il controllo di sistemi legati all'energetica degli edifici con un chiaro orientamento verso le tecniche rinnovabili e sostenibili.



LOREDANA LOMBARDI

Sede lavoro: Vrije Universiteit Brussel (VUB) (Belgio)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: Critical Thinking, Education, European Schools

Loredana Lombardi is member of the Research Group Brussels Research Centre on Innovation in Learning and Diversity (BILD) at the department of Educational Sciences of the Vrije Universiteit Brussels. She is a PhD researcher and her research concerns the identification of teaching methods in primary education to promote students' critical thinking skills. Her work focuses on depicting the main barriers and facilitators of the promotion of critical thinking through inquiry-based learning starting from real-life situations in order to inform educational policy on how to stimulate and support teachers to implement critical thinking in classroom practices. Before starting her scientific research, she worked five years as a programme officer at the Italian Ministry of Education, University and Research where she cooperated with the European Commission and international organizations in the field of education, managed bilateral agreements and grants with EU and non-EU Member States.

RICCARDO LONGO



H-Index:	5
Sede lavoro:	Université libre de Bruxelles (Belgio)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 03 - Scienze chimiche 04 - Scienze della terra 08 - Ingegneria civile e Architettura
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Energie rinnovabili inquinamento atmosferico CFD modellazione numerica

Ricercatore senior all'Université libre de Bruxelles, nell'ambito della simulazione atmosferica, inquinamento atmosferico ed energie rinnovabili. Nel 2020 ho conseguito il titolo di dottore, con una tesi in potutela tra il Politecnico di Milano e l'Université libre de Bruxelles, in ingegneria chimica, della sicurezza e computazionale. Nel 2016 ho conseguito la laurea specialistica in ingegneria della prevenzione e sicurezza nell'industria di processo al politecnico di Milano. Nel 2013 ho terminato il corso di studi triennale in ingegneria aerospaziale presso la stessa università.

ALESSIO LUGNAN



Sede lavoro:	Photonics Research Group (Ghent University – Imec) (Belgio)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Neuromoprhic computing

Alessio Lugnan joined the Photonics Research Group (Ghent University – Imec) in November 2016 as a PhD student. He has been working on optical solutions for machine learning classification of cells and particles for imaging microflow cytometry and on integrated photonic neuromorphic computing (integrated photonic reservoir computing using ring resonators and phase change materials). He received a Master's degree in Experimental Physics from the University of Trento.

PATRIZIO MANGANIELLO



Sede lavoro:	imec (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics PE7 Systems & communication engineering
Keywords:	Photovoltaic Energy, Renewable Energy, Power Electronics, Automatic Control, System Identification

Patrizio Manganiello received the Master Degree in Electronic Engineering from the University of Salerno, Italy, in 2011 and the Ph.D. in Energy Conversion from the Second University of Naples, Italy, in 2014. During his PhD, he carried out his research activities at the University of Cergy-Pontoise (France), from February 2013 till May 2014, where he was also teaching Computer Systems for Smart Buildings; and at the National University of Colombia in Medellin, in June 2014. In 2015, he collaborated with the Department of Electronic Engineering and Computer Science of the University of Salerno. From February 2016 till January 2018, he was working with KU Leuven (Belgium) as Postdoctoral Researcher in Modeling and Demonstration of Smart Photovoltaic Modules, in collaboration with imec (Belgium). Since March 2018 he is a Marie Skłodowska-Curie Research Fellow working at imec on the project "Smart Reconfigurable photovoltaic modules for Building Integrated PhotoVoltaic applications".



GIOVANNI MANGRAVITI

Sede lavoro:	imec (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	millimeter wave, RF analog, IC design, frequency synthesis, transceiver

Giovanni Mangraviti received the B.Sc. and M.Sc. degrees in electrical engineering from the University of Messina (Università degli Studi di Messina), Italy, in 2005 and 2008, respectively, and the Ph.D. degree from the Free University of Brussels (Vrije Universiteit Brussel), Belgium, in 2015. In 2007, he was an Intern with IMEC, Leuven, Belgium, where he was involved with advanced low-k dielectric materials for back-end-of-line. Since 2009 he has joined the mm-Wave Team, IMEC. His research focuses on the design and measurement of mm-wave integrated transceivers, with an accentuated focus on mm-wave frequency synthesis.

DANIELE MARINAZZO



H-Index:	39
Sede lavoro:	Ghent University (Belgio)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 05 - Scienze biologiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity PE6 Computer science & informatics
Keywords:	sistemi complessi; reti; neuroscienze computazionali

Sono un fisico statistico (laurea 2001, dottorato 2007, Università di Bari) che ha sempre lavorato verso la caratterizzazione delle dinamiche di sistemi complessi, principalmente il cervello. Dal 2008 al 2011 sono stato postdoc presso CNRS, Università Paris 5, occupandomi di elettrofisiologia in vivo. Dal 2011 sono professore di ricerca (attualmente professore ordinario) di analisi dei dati all'università di Ghent (Belgio). Insegno tecniche di analisi dei dati di neuroimaging; Sono membro del Nodo belga dell'International Neuroinformatics Coordinating Facility (INCF) e mentore per Google Summer of Code per loro conto. Sono co-redattore capo di Neurons, Behaviour, Data Analysis, and Theory, vicedirettore di PLOS Computational Biology, editore di NeuroImage, Network Neuroscience, Brain Topography, e referee per molte riviste nel campo delle neuroscienze e fisica applicata.



MICHELE MORETTI

H-Index:	4
Sede lavoro:	Univerisity of Liege (Belgio)
SSD:	07 - Scienze agrarie e veterinarie 13 - Scienze economiche e statistiche
ERC:	SH3 Environment & society

My research focuses on the development of integrated assessments frameworks of sustainability challenges by sound scientific analysis to reduce uncertainty in the transition to a sustainable society. It aligns with sustainability science because this field demonstrate a commitment to solve linked economic, environmental, and social, problems through inter- and transdisciplinary approaches. The main focus of my research is the agricultural sector.

FILIPPO MORINI



H-Index:	8
Sede lavoro:	Hasselt University (Belgio)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Theoretical Chemistry, Computational Chemistry, Atomic Physics, Molecular Physics

I am born in Siena the 24/05/1978. I obtained a degree in Chemistry from the Università degli Studi di Siena (Italy) in 2004 followed by a PhD in the same subject from Hasselt University (Belgium) in 2011. I developed my research activity in the field of Molecular Physics and Computational Chemistry, with a particular focus on the simulation and analysis of scattering and ionization experiments in order to shade a new light on the molecular electronic structure and exploring the field of orbital imaging experiments (Electron Momentum Spectroscopy [EMS]). Through my research experience I studied the role of shake-up states, conformational mobility and ground state nuclear dynamics on the molecular orbitals wavefunctions. I have been FWO postodoctoral fellow at Hasselt University from Ocotober 2012 to September 2015 and postdoctoral researcher at the University of Lorraine from October 2016 until January 2018. From February 2018 I am guest worker at Hasselt University.

RICCARDO MUOLO



Sede lavoro:	Université de Namur (Belgio)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Turing patterns, synchronization, complex networks, dynamical systems

Sono attualmente PhD student al dipartimento di matematica dell'Université de Namur (Belgio). In precedenza ho lavorato ad Amsterdam come early stage researcher e a Namur come teaching assistant. Attualmente ho 4 pubblicazioni e più di 200 ore di insegnamento. La mia ricerca è nell'ambito di sistemi dinamici su networks con focus su fenomeni di sincronizzazione e pattern formation. Oltre alla ricerca, mi occupo di oeganizzazione di eventi scientifici (workshops, seminars, etc) e seguo progetti di public outreach (Penne Amiche della Scienza).

LORENZO NAVARINI



Sede lavoro:	KU Leuven (Belgio)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Labour economics

PhD Economics at KU Leuven, under the supervision of Dieter Verhaest, Olivier De Groote, Jo Van Biesebroeck, Koen Declercq Researcher for Fondazione Rodolfo Debenedetti, under the supervision of Tito Boeri Schuman Trainee at the European Parliament

GIACOMO ORSINI



H-Index:	4
Sede lavoro:	Gent University, Department of Social Work and Social Pedagogy, Centre for the Social Study of Migration and Refugees (Belgio)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH3 Environment & society SH5 Cultures & cultural production
Keywords:	Migrazioni, Confini, Diversità, Razzismo, Esclusione

Dopo aver concluso gli studi di dottorato al il Dipartimento di Sociologia dell'Università di Essex, ho lavorato come Senior Research Officer dello stesso dipartimento e, successivamente, come ricercatore di post-dottorato all'Université Catholique de Louvain. Dal 2015, insegno corsi sulla migrazione, razzismo e politiche della diversità all'Université Libre de Bruxelles. La mia ricerca più recente riguarda il ricongiungimento familiare e la violenza domestica in Belgio, mentre in precedenza ho condotto ricerche sul campo in luoghi chiave del confine europeo - a Melilla, Malta, Lampedusa e le Isole Canarie. I miei studi si concentrano sulla governance quotidiana della migrazione e la moltiplicazione dei confini di esclusione/inclusione, la governamentalità, e la (ri)produzione sociale de "alterità". Ora coordino il progetto ERC ChildMove all'Università di Gent, per studiare vari aspetti legati al benessere psicosociale dei minori rifugiati non accompagnati.

MASSIMO PANDOLFO



H-Index:	57
Sede lavoro:	Université Libre de Bruxelles (Belgio)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscienze, Neurogenetica, Atassie, Terapia genica

Massimo Pandolfo is Professor of Neurology and Director of the Laboratory of Experimental Neurology at the Université Libre de Bruxelles (ULB) and Chief of Neurology at the ULB-Erasme University Hospital in Brussels. He is Fellow of the American Academy of Neurology (AAN), member of the AAN Science Committee, former President of the Belgian Neurological Society. He has published 225 peer-reviewed articles in neurogenetics and clinical neurology, with a h-index of 57. Dr. Pandolfo's current research focuses on dissecting the pathogenesis of inherited ataxias and epilepsies and on developing small molecule and gene therapy-based approaches for their treatment. Dr. Pandolfo obtained his MD and Neurology at the University of Milan. He has been Assistant Professor of Neurology at the National Neurological Institute C. Besta in Milan and at Baylor College of Medicine in Houston, TX, then Associate Professor at the Université de Montréal and Adjunct Professor at McGill University.

ALESSANDRO PARENTE



H-Index:	22
Sede lavoro:	Université Libre de Bruxelles (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Chemical kinetics, Combustion, Computational Fluid Dynamics, Data-d modelling, Energy, Fluid Dynamics, Renewable fuels

Alessandro Parente is Professor at Université Libre de Bruxelles, Belgium. His research is articulated around the following axes: •Turbulent/chemistry interaction in turbulent combustion and reduced-order models. •Non-conventional fuels (solar fuels, renewable sources). •Novel combustion technologies, e.g. MILD combustion, with virtual zero pollutant emissions. •Numerical simulations of turbulent reacting flows. •Uncertainty quantification

ANNA PELAGOTTI



Sede lavoro:	European Research Council Executive Agency (Belgio)
SSD:	02 - Scienze fisiche
ERC:	SH5 Cultures & cultural production PE7 Systems & communication engineering
Keywords:	fotonica; biofotonica; patrimonio culturale; diagnostica artistica

Anna Pelagotti is a Doctor in Electronics Engineering, currently working as Policy Expert at ERCEA, the Executive Agency of the European Research Council. Previously she served as Programme Officer at the European Commission. She is seconded from the National Research Council of Italy (National Institute of Optics). She has been working for public and private companies, starting her carrier at Philips Research Eindhoven (NLp. Her main interests cover a broad range of topics, including biophotonics and digital imaging, with a special focus on image understanding. She also holds a degree in painting restoration. She is Co-Founder and owner of Art-Test, a specialized company providing services and devices for art diagnostics and authentication. She has written numerous scientific articles and chapters in books, for more than twenty years served as reviewer and member of several scientific committees and holds 11 international patents.

FEDERICA PERRONE



Sede lavoro:	VIB - UAntwerp Center for Molecular Neurology (Belgio)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neurodegenerative Brain Disease, Molecular Genetics, Dementia

I am at my forth year of PhD at the Neurodegenerative Brain Disease group, VIB – UAntwerp Center for Molecular Neurology, under the supervision of Christine Van Broeckhoven, who is at the forefront for dementia research. My PhD research is focused on exploring the contribution of pathogenic mutations in the Mendelian causative genes in patients affected with dementia. I will further investigate this aspect by doing a research stay at the Proteolytic Neuroscience, RIKEN Brain Science Institute in Japan. I consider this PhD as a mission and I am really motivated to contribute in lightening the social burden that dementia represents. I am a very genuine and flexible person, and I never give up in front of obstacles, but I always face them doing my best.

ARIANNA PICCIALLI



Sede lavoro:	Royal Belgian Institute for Space Aeronomy (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	atmosfere planetarie, Marte, Venere, fisica dell'atmosfera

Dr. Arianna Piccialli (F) is a researcher within the Planetary Aeronomy (PA) division at BIRA-IASB since 2016. Her main scientific interest is the investigation of planetary atmospheres, in particular of Venus and Mars. Scientific activities: she is part of the NOMAD/ExoMars science team. She is the P.I. of 3 proposals for ALMA and NOEMA allocation time (of which

2 are accepted). Honors and Awards: She was awarded the international biannual Baron Nicolet Award 2018 from the Académie Royale des Sciences, des Lettres et des Beaux-Arts of Belgium, classe de Science. She was awarded an ESA Research Fellowship (2010) and a FP7 Marie-Curie COFUND Fellowship (2012). Publications: full list on https://orcid.org/0000-0002-5098-2925 Scientific community services: She is the Benelux Diversity officer of the EuroPlanet Society (www.europlanet-society.org). She is/was a member of the following Scientific Organizing Committee(s): Europlanet Science Congress 2021 (www.epsc2021.eu).



FABIO PINNA

H-Index:	9
Sede lavoro:	von Karman Institute (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Fluidodinamica, trasporti, propulsione, energia, veicoli, modelli fisici

I am a research engineer in fluid dynamics at the von Karman Institute (Belgium) with special attention to the aeronautic and aerospace domain. I am currently teaching to student and running EU and ESA projects, mainly related to high speed flows and propulsion systems. I usually work on numerical and physical modeling while I keep an open eye on the application of new technologies. Before becoming a research engineer I graduated as a PhD 2012, I obtained a research master in 2007 and I worked for a small period in an important italian aerospace company.



FRANCESCO RENZI

Sede lavoro:	Université de Namur (Belgio)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	Microbiologia

Laura in Scienze Biologiche Università di Milano (2005) Dottore in Scienze Genetiche e Biomolecolari Università di Milano (2009) Post-doctoral researcher at Biozentrum of the University of Basel (Switzerland) (2009-2012) Senior Researcher at University of Namur (Belgium) (2012-2019) Research associate of the FRS-FNRS and Associate Professor at University of Namur (Belgium) (2019-present)



JACOPO SALA

Sede lavoro:	imec (Belgio)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	perovskite, multijunction, characterization, modelling, solar PV

After an energy engineering bachelor in Politecnico di Milano, I graduated with a double degree master of science in “Energy engineering with a focus in renewables'' from Universidad Politecnica de Catalunya (UPC), Barcelona (Spain) and the “Renewable Energy Science and Technology” M2 Master from Ecole Polytechnique, Palaiseau (France). The master also includes a summer school in entrepreneurship at ESADE, Barcelona (Spain). After a master thesis on “Hole transport layers for thermally stable perovskite solar cells” at imec, Leuven (Belgium), I started a PhD in the same group on “Highly

efficient wide-bandgap perovskite-based multijunction solar cells for enhanced energy yield". In my spare time, I engaged in youth-focused communities to educate and empower youth at the European level with a focus on energy and climate.



SERENA SANTI

Sede lavoro:	Universiteit Antwerpen (Belgio)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	IEEE802.11ah, energy consumption

I first began the study of computer science in high school because I wanted to understand more the functioning of the computers, both from the software that the hardware perspective. After graduation, I chose the faculty of Computer Science at the University of Camerino to pursue a degree in line with my high school diploma. During my bachelors I followed classes on algorithms and data structures, logics, calculus, numerical analysis, statistics and operational research. Then during my masters, I followed courses on model checking, theory of complexity, and modelling and simulation. I went on Erasmus to Mälardalen University in Sweden, where I followed courses about scheduling and management of real time embedded systems. By that time the idea to pursue a PhD started growing in my mind and I was very happy when I stumbled upon an open research position at the University of Antwerp to investigate heterogeneous low-power wireless communications protocols for Internet of Things devices.



SIMONE SAVINO

H-Index:	7
Sede lavoro:	Postdoc (Belgio)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Biologia strutturale, enzimi, carboidrati, proteine, biocatalisi

Senior postdoc con esperienza nell'ambito della biologia strutturale applicata allo studio di enzimi. Durante il mio dottorato presso l'Università di Pavia ho studiato la struttura di diversi enzimi di interesse biocatalitico, soprattutto coinvolti nella sintesi di zuccheri rari. Grazie all'esperienza maturata, nel 2018 ho preso la mia prima posizione da postdoc presso l'Università di Groningen, Paesi Bassi, continuando a studiare la struttura di diversi enzimi e acquisendo padronanza di tecniche di ingegneria proteica. Dopo una breve parentesi presso GECCO Biotech, anche questa basata in Groningen, svolgendo simili funzioni, mi sono spostato all'Università di Gent, Belgio, con un mio progetto sullo studio di ulteriori enzimicoinvolti nel metabolismo di carboidrati. In questa posizione combino la mia esperienza strutturale con tecniche di chimica biologica.



ENEA SCIONI

Sede lavoro:	KU Leuven (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Robotics

Currently Postdoc Researcher Fellow at KU Leuven, Robotics research group, Leuven, Belgium.

MIRIAM SEITI



H-Index:	1
Sede lavoro:	KU Leuven (Belgium) - Dual Ph.D. Program with University of Brescia (Italy) (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	additive manufacturing, neural tissue engineering, industrial engineering

Miriam Seiti is currently pursuing a Dual Ph.D. program between KU Leuven (Belgium) and University of Brescia (Italy), in collaboration with Nerf (Imec, Belgium), since 2019. Her research focus involves the development of innovative 3D neuronal scaffolds and related additive manufacturing technology for multi-material / multi-functional printing. She earned a Bachelor's and Master's degree in Management and Industrial Engineering with maximum scores of 110 cum laude from University of Brescia (Italy), respectively in 2016 and 2019.

TOMMASO SERESINI



Sede lavoro:	KU Leuven (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences

Currently researching under the umbrella of the Marie-Curie training network NDTonAIR. I have experience in optical and ultrasonic techniques. I became passionate about the science and the challenges around the development of sensing tools. The core of this work lies in the design and assembly of experiments. I aim to become an expert researcher in the fields of applied optics and ultrasonics. I am an effective scientific communicator thanks to having presented at conferences and workshops and I have developed a flexible mindset tackling different fields of science and experimental techniques. My current research is threefold: First, studying the non-linear mechanical properties of impacted carbon fibre, using a commercial vibrometer. Second, developing an heterodyne, full field interferometer for real time detection of the impact location. Lastly, building a homodyne vibrometer to detect photoacoustically excited surface acoustic waves. Both devices exploit phase matching.

ADALBERTO SIMEONE



H-Index:	8
Sede lavoro:	KU Leuven (Belgio)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Virtual Reality, Realtà Virtuale, Human-Computer Interaction, Interazione Uomo-Macchina, Augmented Reality, Realtà Aumentata, Mixed Reality, 3D Interaction, Interazione 3D

I am an Assistant Professor in the Department of Computer Science at the KU Leuven, where I lead the Artificial Realities and Interactive Ambients (ARIA) team. My research lies in the intersection of 3D Interaction and Virtual Reality with Human-Computer Interaction. I am motivated by a deep interest in making the technologies supporting the fruition of 3D contents more accessible by everyone. Ultimately, my driving passion is to contribute as best as I can towards making visionary science-fiction ideas become science-fact. Before joining the KU Leuven I was a Senior Lecturer at the University of Portsmouth, and a Marie Curie Intra-European Fellow at Lancaster University, in the UK. I obtained my PhD in Human-Computer Interaction at the Università degli Studi di Bari in 2011, under the supervision of Prof. Maria F. Costabile.

GIORGIO SONNINO



Sede lavoro:	Université Libre de Bruxelles (ULB) and European Commission (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE1 Mathematical foundations PE2 Fundamental constituents of matter PE3 Condensed matter physics
Keywords:	Thermodynamics of Irreversible Processes, Statistical Physics, Plasma Physics, Tokamak-plasmas, Non Linear Science, Hydrodynamics

Giorgio SONNINO is a Scientific Researcher at the Université Libre de Bruxelles (ULB), Department of Theoretical Physics and Mathematics. He is also Scientific Adviser to the Director General at the European Union - Directorate General for "Education, Youth, Sport and Culture". He has more than 90 scientific papers published in international peer reviews. He received HDR Diploma (Thèse d'Habilitation à Diriger des Recherches) at the Institut Non Linéaire de Nice (INLN), Nice, France, 2002, in Thermodynamical Field Theory. He received Ph.D. degree from Service de Chimie Physisque, Université Libre de Bruxelles, Brussels, Belgium, 1992, in Theory on Hydrodynamic Fluctuations. He received M.S. degree of physics, Physics Department, Università degli Studi di Genova, Genova, Italy, 1985, in Hydrodynamics. He is referee of several International peer review scientific journal (Phys. Rev., The Royal Society, Physics Letters etc.).

ALESSIO SPESSOT



Sede lavoro:	imec (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis PE7 Systems & communication engineering

Semiconductor Technology expert with solid technical and scientific background, specialized in management of complex technical projects with focus on Logic and Emerging Memory. Passionate about research and strategy, I am currently managing a 30+ people program in imec to establish roadmap for Logic and Memory

DOMENICO SPINA



H-Index:	10
Sede lavoro:	Ghent University (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Machine learning, uncertainty quantification, modeling and simulation

Dr. eng. Domenico Spina received the M.S. degree (cum laude) in electronics engineering from the University of L'Aquila in 2010, and the joint Ph.D. degree in electrical engineering from the Ghent University and the University of L'Aquila in 2014. Since 2015, he has been a postdoctoral researcher in the Department of Information Technology at Ghent University, and he is currently also affiliated with the Interuniversity Microelectronics Center (imec). In 2017, he was a visiting researcher in the Computational Prototyping Group at the Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA. His current research interests include machine learning, modeling and simulation, and uncertainty quantification for electrical and photonics engineering. His research resulted in over 50 papers in international journals and in conference proceedings.

STEFANIA TORINO



Sede lavoro: VIB - Vlaams Instituut voor Biotechnologie (Belgio)
SSD: 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC: LS9 Applied life sciences & biotechnology PE2 Fundamental constituents of matter
Keywords: Microfluidics

I am a research scientists with expertise in microfluidics and lab-on-chip technology. I did my PhD at the Institute for Microelectronics and Microsystems (CNR) and University of Naples Federico II. During my doctoral studies, I spent six months at Rowland Institute at Harvard University working on lab-on-chip related topics. In 2016, I collaborated with the IOW (The Leibniz Institute for Baltic Sea Research, Warnemünde) for a project related to the development of an optical sensor for gas detection in marine water. In 2017, I got a position IMEC (Leuven, Belgium) to work on a project focused on novel point-of-care diagnostics. Since January 2018 I work as research scientist at Vlaams Instituut voor Biotechnologie VIB –VUB Center for Structural Biology in Brussel. In last years, I had the possibility to gain experience in cryo-electron microscopy and to work on a project focused on applying microfluidics to overcome existing limitation in preparation of proteins samples for structure.

ANGELO VOLPI



Sede lavoro: CNR- Brussels Liaison Office (Belgio)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences
Keywords: Aerospaziale

Angelo Volpi gets his Degree on Atomic Physics at University of Milan and his PhD on Energy at Politecnico di Milano (1987). He enters CNR- National Research Council of Italy* as Researcher (1988) working on “Laser diagnostics for solid rocket propellant combustion”. He spent 4 years at Institute of Space and Astronautical Science -Tokyo- (with contracts from the European Commission and the Ministry of Research of Japan) on the propulsion system of the M-V rocket and 1 year (1997) at NATO Headquarters, on rocket propellants safety and security. From 2001 to 2009 he heads the Science Office at the Embassy of Italy in Japan and from 2011 to 2015 is the head of CNR Liaison Office in Brussels, where now is R&D Officer in charge of Space, Security and Defence. He has been member of the national delegation at two G8 meetings and other intergovernmental conferences. He lectured in Italian, USA, Russian, Japanese and Korean universities, industries and defence related institutions.

MARCO ZAMBON



Sede lavoro: KU Leuven (Belgio)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations
Keywords: Geometria differenziale

https://perswww.kuleuven.be/~u0096206/ KU LEUVEN, Leuven, Belgium. Since October 2014: Associate Professor, department of mathematics. UNIVERSITY OF ZURICH, Zurich, Switzerland. Habilitation in Mathematics, conferring the title of “Privatdozent”, April 2008. UNIVERSITY OF CALIFORNIA AT BERKELEY, Berkeley, CA, USA. Ph.D. in Mathematics, May 2004. Advisor: Prof. Alan Weinstein.

BRASILE

ADONE AGNOLIN



Sede lavoro:	Universidade de São Paulo (USP) (Brasile)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH6 The study of the human past
Keywords:	Storia Moderna, Storia Coloniale, Storia delle Religioni, Storia della Riforma e della Controriforma, Catechesi e Missioni extraeuropee, Colonizzazione e Mediazione Culturale tra Europa, America e Asia, Antropologia Storica.

Laurea: Università degli Studi di Padova. Dottorato e Post-Dottorato e Libera Docenza: Università di São Paulo (USP). Dal 2003, Professore Dottore di Storia Moderna (Dipartimento di Storia dell'Università di São Paulo). Già membro e ricercatore del Progetto Tematico di Ricerca del Centro Brasileiro de Análise e Planejamento (CEBRAP), "Missões Cristãs e Populações Indígenas: o problema da mediação cultural" e del Progetto Tematico "Dimensões do Império Português", del Dipartimento di Storia – FFLCH-USP, Cátedra 'Jaime Cortesão' e Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP): del quale é stato coordinatore del Nucleo "Religião e Evangelização". Attua soprattutto nell'area di Storia Moderna, con enfasi in Storia Moderna e Coloniale, Storia delle Religioni, Storia della Riforma e della Controriforma, Catechesi e Missioni extraeuropee, Colonizzazione e Mediazione Culturale tra Europa, America e Asia, Antropologia Storica.

LUCIANO APARECIDO STECANELLA



H-Index:	2
Sede lavoro:	Centro de Soluções Analíticas (CSA) (Brasile)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Tecnologia farmaceutica, sviluppo di nuovi medicinali, nanotecnologia.

I have a PhD in Pharmaceutical Innovation and PhD in Pharmaceutical Sciences, biomolecules and Health Products at the University of Parma (Parma-Italy). I have a Master of Science degree in Pharmaceutical Sciences from the Federal University of Goiás (2011) and a graduation in Industrial Pharmacy from the State University of Maringá (2001). I did an internship at the University of Parma (Parma Italy) in 2001. Taught classes in Pharmacy course (2011), worked from 2002 to 2014 in the Pharmaceutical Industrial area and was a SET-E (CNPq) fellow at LANAGRO-GO. I have dual citizenship (Brazilian and Italian).

LUIGI CALLIGARIS



H-Index:	98
Sede lavoro:	UNESP - Universidade Estadual Paulista "Júlio de Mesquita Filho" (Brasile)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE2 Fundamental constituents of matter PE7 Systems & communication engineering
Keywords:	High Energy Physics, Particle Physics, Compact Muon Solenoid, CMS, Higgs Boson, Tracker, Track reconstruction, Advanced Telecommunication Computing Infrastructure, ATCA, Field-Programmable Gate Arrays, FPGA, Embedded Computing, IPMC

(2019-) Giovane ricercatore presso l'Università dello Stato di San Paolo (UNESP). Titolare del progetto di ricerca FAPESP 18/18955-0. Sviluppo dell'elettronica di back-end per l'upgrade di Fase 2 dell'esperimento Compact Muon Solenoid (CMS) al CERN. (2017-2019) Post-doc presso UNESP. Sviluppo dell'elettronica di back-end di CMS. Grant FAPESP 17/16245-3. (2015-2017) Post-doc in fisica presso Rutherford Appleton Laboratory, Regno unito. Sviluppo di un sistema di ricostruzione di tracce al primo livello di trigger implementato in FPGA. Grant EC Marie Curie Experienced Researcher (ITN INFIERI). (2011-2015) Assistente di ricerca dottorale presso il laboratorio DESY, Germania. Ricerca del Bosone di Higgs del Modello Standard e dell'MSSM nei canali a due tau. Articoli in evidenza: https://doi.org/10.1109/TNS.2021.3092689 https://doi.org/10.1088/1742-6596/1690/1/012039 https://doi.org/10.1088/1748-0221/12/12/P12019 https://doi.org/10.1007/JHEP05(2014)104



MARCELO CONCÁRIO

Sede lavoro:	UNESP Universidade de São Paulo (Università Statale di San Paolo) (Brasile)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	consapevolezza linguistica, CLIL (content and language integrated learning), CBI (content-based instruction), avanzamento nell'apprendimento delle lingue, formazione degli insegnanti

Marcelo Concário (marcelo.concario@unesp.br, ID ricercatore N-2905-2015), PhD Linguistica Applicata, MA Studi Linguistici, MBA, B Sc. Ingegneria Meccanica. Professore di inglese per fine specifici / accademici nei seguenti corsi di laurea: insegnamento delle lingue, traduzione, nutrizione, medicina, diritto, giornalismo, relazioni pubbliche, radiodiffusione (radio, TV, Internet), ingegneria elettrica. Insegnamento post-laurea: Language Matters in Science Education e Language Awareness and Instructional Interaction. Principali interessi di ricerca: consapevolezza linguistica, CLIL (content and language integrated learning), CBI (content-based instruction), avanzamento nell'apprendimento delle lingue, formazione degli insegnanti. Professore presso il dipartimento di Scienze Umane, Facoltà di Architettura, Arti, Comunicazione e Design dell'Università Statale di San Paolo dal 2010. Ricercatore in visita presso la Eastern Washington University (Dipartimento di Lingue Moderne e Letteratura)



MARCO CREMONA

H-Index:	25
Sede lavoro:	Dipartimento di Fisica - Pontificia Universidade Catolica do Rio de Janeiro (Brasile)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Elettronica Organica, Nanotecnologia, Spettroscopia ottica, films sottili.

He is professor at the Physics Department of the Pontifical Catholic University of Rio de Janeiro. For ten years he was scientific consultant at the National Metrology Institute of Brazil, Inmetro, for the development and metrology of organic devices. He has been scientific advisor to the Center for Management and Strategic Studies (CGEE) of the Ministry of Science and Technology for the formulation and implementation of science, technology, and innovation policies. He is vice-coordinator of the National Institute of Science and Technology of Organic Electronics (INEO). He works with the development and characterization of organic devices (OLED, OPV, OFET, etc.) and with physical properties of nanomaterials, thin films, and surfaces. He is the author of over 140 scientific articles in international journals (H = 25). He has given more than 40 invited lectures in national and international scientific events. He is the author of five patents. CNPq fellow 1B. ORCID 0000-0003-1306-4639.

PIER FRANCESCO DE MARIA



Sede lavoro:	Scuola Superiore di Amministrazione, Marketing e Comunicazione (Brasile)
SSD:	13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets
Keywords:	Povertà, Disuguaglianza, Statistica Economica, Econometria, Indicatori Sociali, Demografia Economica

Bachelor in Economics, with MSc and PhD in Demography at the State University of Campinas (UNICAMP). My main research themes are "poverty and inequality" and "economic demography", with special interests in: (1) applied statistics; (2) econometric analysis; (3) demographic analysis; (4) machine learning; and (5) multivariate analysis. Actually, I am assistant professor at the Superior School of Administration, Marketing and Communication (ESAMC), where I teach Economics and Statistics and also Chair of the Undergraduate Course of Economics.

MIGUELANGELO GIANEZINI



H-Index:	3
Sede lavoro:	Universidade do Extremo Sul Catarinense (UNESC) (Brasile)
SSD:	07 - Scienze agrarie e veterinarie 13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets SH3 Environment & society
Keywords:	Sviluppo socio-economico, Istruzione superiore, Brasile,

Bac. in Business Administration; Lic. in Social Sciences; MBA in Human Resources; MBA in Industrial Engineering; Master in Applied Social Sciences; Ph.D. in Agribusiness; PostDoc at UFRGS (Brazil). Full Professor of the Postgraduate Program in Socioeconomic Development at UNESC University. Has experience as Professor and Coordinator in Undergraduate and MBA courses, Head of Department and Dean. Ad hoc supervisor for the Brazilian Ministry of Education. Member of the Brazilian Society of Economics, Sociology and Rural Administration, The Society for the Advancement of Socio-Economics and Associazione Internazionale Ricercatori Italiani. Topics: Agricultural Development, Logistic, Productive and Value Chains (technology, certifications, and consumption); Organizational dynamics and sustainable development (strategies and competitiveness); Public Policies (proposals and cases); Higher Education (market and regulation). Socio-economic International cooperation (scenarios and perspectives).

OMAR GINOBLE PANDOLI



H-Index:	10
Sede lavoro:	Pontificia Universidade Católica (PUC-RIO) (Brasile)
SSD:	03 - Scienze chimiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	chimica organica, chimica supramoleculare, chimica in fluxo, Microfluidica, nanotecnologia

Laureato con Lode in Chimica e Tecnologie Farmaceutiche all'Università Alma Mater Studiorum di Bologna (2003). Nella medesima università, nel 2008, consegue il titolo di Dottore in Scienze Farmaceutiche studiando processi di di auto-assemblaggio molecolare della guanosina. Nel 2008, presso l'Università di Ferrara, lavora nell'ambito della chimica organica in flusso continuo. Nel 2009 si trasferisce in Cina, presso la Shanghai Jiao Tong University, all'interno del programma "EU-China Science and Technology Fellowship" ove realizza reattori microfluidici e sintetizza materiali nanostrutturati metallici chirali. Dal 2012 è contrattato presso la PUC-RIO come professore di chimica organica e crea una

nuova linea di ricerca destinata alla fabbricazione di microreattori fotocatalitici per la sintesi organica e foto-ossidazione selettiva; funzionalizzazione di biopolimeri per la creazione reattori biocatalitici lignocellulosici; sintesi e caratterizzazione di materiali nanostrutturati.



CILDO GIOLO JUNIOR

Sede lavoro: Universidade do Estado de Minas Gerais (Brasile)
SSD: 12 - Scienze giuridiche
ERC: SH3 Environment & society
Keywords: Diritto Digitale; innovazione e sviluppo; diritto processuale civile

Cittadino italiano e brasiliano. Post-Doctor in Human Rights presso lo "Ius Gentium Conimbrigae" (IGC/CDH) della Facoltà di Giurisprudenza dell'Università di Coimbra (Portogallo). Dottore in Giurisprudenza presso l'Università Metropolitana di Santos, Santos - São Paulo (Brasile). Dottore in Scienze Giuridiche e Sociali presso UMSA, Buenos Aires - Capital Federal (Argentina). Master in Diritto pubblico presso l'Università degli studi di Franca. Specialista in Diritto Processuale Civile presso la Facoltà di Giurisprudenza di Franca. Laureato in Giurisprudenza presso la Facoltà di Giurisprudenza di Franca. Professore Ordinario di Diritto Civile presso la Facoltà di Giurisprudenza di Franca e Diritto Processuale Civile presso l'Università dello Stato del Minas Gerais, essendo stato ammesso ad entrambi tramite esami pubblici di prove e titoli. Insegnante e Avvocato. Valutatore MEC/INEP per Corsi di Giurisprudenza.



MARCO IANNIRUBERTO

Sede lavoro: Universidade de Brasilia (Brasile)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science
Keywords: Oceanografia fisica, geofisica applicata

Associate Professor at the Institute of Geosciences of the University of Brasilia, Brazil. Chairman of the graduation course in Geophysics from 2012 to 2014. Teaching activities: Physical Oceanography, Marine Geophysics and Geostatistics. Course topics include: Atmosphere-Ocean Interaction; Global Ocean Circulation; Wave and Tides; Marine Geophysical Survey, Statistical methods for geosciences. Research interests: Geophysics applied to exploration and environment



LUIGI JOVANE

H-Index: 22
Sede lavoro: Universidade de Sao Paulo (Brasile)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science
Keywords: Geofisica, Geomagnetismo, Sismica, Carotaggi marini, Paleomagnetismo

Professore dell'Instituto Oceanográfico da Universidade de São Paulo (IOUSP). Esperto di Magnetostratigrafia con applicazioni nello studio delle variazioni climatiche e degli eventi globali. Partecipazione alle spedizioni ANDRILL e IODP: 325, 344 e 359. Membro del comitato scientifico IODP-CAPES-BRASILE. Presidente dell'ufficio internazionale di IOUSP. Corsi tenuti e interessi di ricerca: paleomagnetismo, geofisica marina applicata, metodi stratigrafici, valutazione di impatto ambientale, paleoclimatologia e paleoceanografia.

HEITOR JUDISS SAVINO



H-Index:	7
Sede lavoro:	Ambev S.A. (Brasile)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Controllo, Robotica

Laureato in Ingegneria Meccatronica presso la Università Statale di Amazonas - UEA (2011), Master in Ingegneria Elettrica presso l'Università Federale di Amazonas - UFAM (2012) e dottorato in Ingegneria Elettrica presso l'Università Federale del Minas Gerais - UFMG (2016). All'UFMG, è stato membro del Computer and Robotics Systems Laboratory (CORO), Failure Detection, Control, Optimization and Modeling Laboratory (DIFCOM) e del gruppo di ricerca MACRO (meccatronica, controllo e robotica). Ha partecipato al programma di dottorato a sandwich presso il Massachusetts Institute of Technology - MIT (2015-2016) come membro dell'Interactive Robotics Group (IRG). È stato residente post-dottorato presso UFMG 2016-2017 e presso il Laboratoire LAAS a Tolosa, in Francia, (2019-2020). Dal 2017 al 2021 è stato Professore Aggiunto presso l'Università Federale di Alagoas (UFAL). Attualmente è il principale ricercatore nel laboratorio di robotica per l'industria delle bevande di Ambev.

ALESSANDRA MAGRINI



Sede lavoro:	COPPE/UFRJ (Brasile)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Energy, Environment, Wastes and water resources management, Environmental Impact Assessment,

Full Professor at Energy Planning Program fron Instituto Alberto Luiz Coimbra de Pós graduação em Engenharia (COPPE) of Federal University of Rio de Janeiro (UFRJ). Recently retired, works as researcher and consultant on energy and environmental planning with enphasis on private and public sustainability, circular economy and environmental policy.

MARINA MASSIMI



Sede lavoro:	Instituto Estudos Avançados Universidade de São Paulo (Brasile)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production
Keywords:	storia della psicologia; storia dei saperi psicologici

Marina Massimi si è laureata in psicologia all'Università di Padova e ha proseguito gli studi all'Università di São Paulo, dove ha insegnato ed ora coordina il Gruppo di Ricerca Tempo, memoria e Appartenenza presso l'Istituto di Alti Studi della stessa Università (Instituto de Estudos Avançados da Universidade de São Paulo). Le sue ricerche hanno toccato temi quale la storia della psicologia scientifica, la storia dei saperi psicologici nella cultura brasiliana e nella Compagnia di Gesù. Ha ricoperto importanti cariche istituzionali nell'accademia brasiliana ed è membro dell"Accademia Ambrosiana di Milano. Tra le sue pubblicazioni ricordiamo il recente "Psychological Knowledge and Practices in Brazilian Colonial Culture" (Springer), "In viaggio. Gesuiti candidati alle missioni tra Antica e Nuova Compagnia" (edizioni il Sole 24 Ore), scritto con Emanuele Colombo, "Il potere e la croce. Colonizzazione e riduzioni dei gesuiti in Brasile" (edizioni San Paolo); "Coimbra Psychology in Brazil

GIULIO FEDERICO PALMITESSA



H-Index:	0
Sede lavoro:	UNISINOS - Universidade do Vale do Rio dos Sinos (Brasile)
SSD:	08 - Ingegneria civile e Architettura 09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	DESIGN, INDUSTRY 4.0

Professor and consultant with an international design experience in the R&D for strategic design company's areas. He worked in design centers of furniture's companies in China, Spain and Brazil. Currently is a professor in the bachelor's degree programs of Unisinos Creative Industry School and Unisinos School of Management and Business. He's a contract professor in the postgraduate and graduate Master's degree programs of Unisinos and the Executive coordinator of Master in Furniture Design Market and Coordinator of the Lamp (Laboratory of models and prototype design) for the same University. Giulio researched the relationship between design-culture and organizations-culture, and the link between organization learning with design skills. He's the founding partner of Ector Ltd., an international design consulting studio with head office in Brazil. The studio explores the methodology of design strategy, design thinking and human center design. Some of his works at companies: Interstuhl,

CARLO PATTI



Sede lavoro:	Universidade Federal de Goiás (Brasile)
SSD:	14 - Scienze politiche e sociali
ERC:	SH6 The study of the human past

Carlo Patti é professore di Relazioni Internazionali presso la Facoltà di Scienze Sociali dell'Università Federale del Goiás (Brasile). É dottore di ricerca in Storia delle Relazioni Internazionali presso l'Università di Firenze e ha una laurea triennale e magistrale in Scienze Internazionali e Diplomatiche conseguite presso l'Università di Trieste. É coordinatore del Programa de Pós-Graduação em Ciência Política presso l'Universitá Federale del Goiás ed é docente permanente del Programa de Pós-Graduação in Storia presso lo stesso ateneo. É anche docente del programma di dottorato in Storia, Studi Internazionali e Beni Culturali dell'Università di Cagliari. É autore di numerosi articoli accademici sulla storia del programma nucleare brasiliano e le sue ripercussioni internazionali. É autore del libro "Brazil in the Global Nuclear Order, 1945-2018" (Johns Hopkins University Press, 2021).

DIOGO PROVETE



H-Index:	10
Sede lavoro:	Assistant Professor (Brasile)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Ecology, evolution,

Diogo B. Provete had a BSc from the Federal University of Alfenas (2006), MSc in Animal Biology (2010) from Universidade Estadual Paulista, and a PhD in Ecology and Evolution from the Federal University of Goiás, with a visiting period at the University of Texas at Austin, under the supervision of Mathew A. Leibold. In 2015 he was a visiting postdoctoral researcher at Göteborgs Universitet (Sweden) in Alexandre Antonelli's laboratory. Then, he spent 8 months as a

postdoctoral fellow at the Federal University of São Carlos - Sorocaba in the laboratory of Fernando R. da Silva. He is currently an Assistant Professor at the Federal University of Mato Grosso do Sul. My research program integrates phenotypic evolution and macroevolution to understand Metacommunity patterns. I usually work with phylogenetic comparative methods, geometric morphometrics, and multivariate stats.

CAIO CESAR RADICCHI



Sede lavoro:	SR Consult - Consulenza per Progetti Internazionali (Brasile)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Gestione Internazionale, Strategia Internazionale, Marketing, Mercato Brasiliano, Import-Export

Esecutivo con più di 25 anni di esperienza nella gestione di operazione con il mercato internazionale, strategie per l'inserimento di aziende al mercato brasiliano, studi fiscali e valutari, soluzioni per progetti internazionali nell'acquisizione di capex, compreso gestioni di contratti di servizi internazionali e tecnologia di ingegneria. Completa assistenza agli imprenditori e agenti che hanno interesse en el mercato brasiliano, studio e ricerca mercadológica per prodotti, servizi, ricerche accademiche e rapporto orientativo per il international business in Brasile.

PAOLO RICCI



Sede lavoro:	University of São Paulo (Brasile)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Sistemi politici, sistemi elettorali, rappresentanza, comportamento elettorale, elezioni, partiti, America Latina, Brasile

Professor of Political Science at Universidade de São Paulo (USP). He is graduate in Political Science at Università degli Studi di Bologna (1997), master and PhD. in Political Science at Universidade de São Paulo (2001 and 2006). He was visiting student at Università di Firenze and academic visitor at Oxford University (2014-2015). Areas of expertise: legislative process, electoral systems, parties and party systems, history of political institutions. His more recent research is related to elections and political behaviour during XIX and the beginning of XX centuries focusing on the Brazilian First Republic (1889-1930) and the period before the Estado Novo (1930-1937). (Source: Lattes Curriculum)

ALEXANDRE ROSSETTO GARCIA



H-Index:	9
Sede lavoro:	Embrapa-Brazilian Agricultural Research Corporation (Brasile)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	riproduzione animale, benessere animale, estresse termico, bovini, bufalini

Graduated in Veterinary Medicine (1996), achieved the Master (2000) and PhD degree (2004) in Animal Reproduction from the University of São Paulo. Since 2005 he has been working as Researcher at Embrapa-Brazilian Agricultural Research Corporation, unit of Embrapa Pecuária Sudeste, Brazil. He is a permanent professor of the Animal Science Graduate Program (UFPA/Embrapa/UFRA) and the Animal Reproduction Graduate Program of School of Veterinary

Medicine and Animal Science of the University of São Paulo (FMVZ/USP). For almost 20 years he has been addressing the thermal biology of livestock, especially on beef cattle, sheep and water buffalo. The effects of the thermal environment on different production systems are a permanent theme in his research, with particular attention given to its consequences on the reproductive efficiency, as well as strategies to mitigate the impact of heat stress on animals. Thus, since 2016 he has been working on precision livestock farming projects.



GIANCARLO SANTILLI

H-Index:	6
Sede lavoro:	Universidade de Brasilia (UnB) (Brasile)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Earth Observation, Image Processing, Remote Sensing, Space Mission Analysis

Dal 2015 Professore Assistente presso la Facoldade do Gama (FGA) - Universidade de Brasilia (UnB). Laurea in Ingegneria Elettronica presso l'Università di Roma La Sapienza (2000), Laurea in Ingegneria Astronautica presso l'Università di Roma La Sapienza (2005), Ph.D. in Ingegneria Aerospaziale presso l'Università di Roma La Sapienza (2011). Post-dottorato presso l'Università di Roma La Sapienza (2012) e Consulente presso Telespazio (2013). Ha esperienza in Ingegneria Aerospaziale ed Elettronica, con particolare enfasi nelle aree di Remote Sensing, Image Processing, Space Missions Analysis e attività TT&C.



GIANCARLO SCARDIA

H-Index:	21
Sede lavoro:	Professore (Brasile)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Geosciences, Petroleum Geology, Climate changes

PhD in Geological Sciences and Geotechnologies (Università degli Studi di Milano-Bicocca) and Professor at the Instituto de Geociências e Ciências Exatas (São Paulo State University). Specialist in paleomagnetism and rock magnetism, and their application to geological problems. Manager of the UNESP Paleomagnetics Laboratory. Current interests include Oil E&P applied technology; response of natural systems to tectonic and climatic forcing; Quaternary stratigraphy; dating of archaeological and paleontological sites.



GAETANO SICILIANO

Sede lavoro:	Universidade de São Paulo (Brasile)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Mathematical Analysis, CriticalPOint Theory, Variational Methods, Partial Differential Equations

Associate Professor at IME-USP, Brazil Degree in Mathematics in 2005 at University of Bari (Italy), cum laude. PhD in Mathematics in 2009 at University of Bari (Italy). Supervisor: prof. Lorenzo Pisani. See the list of my publications on Mathecinet, Scopus, Google Scholar



DOMENICO SIMONE

Sede lavoro:	FUB - Universidade de Brasília (Brasile)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Aerospace Propulsion, Combustion, CFD

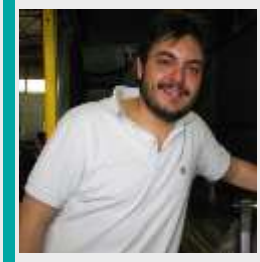
Domenico Simone is an associate professor of aerospace engineering teaching and conducting researchs in the field of aerospace propulsion, with focus on liquid - solid - hybrid rockets, air-breathing systems, combined cycles (Turbojet, Turbofan, Ramjet, Scramjet, RBCC, TBCC.), combustion, High Energy Density Materials, CFD and FSI (Fluid Structure Interaction). He obtained his BSc/MSc degree and Ph.D. at the University of Rome “Sapienza” (Italy). Prior to coming to Universidade de Brasilia (UnB), he worked for more than 10 years as postdoctoral researcher and engineer at the DIMA - Department of Mechanical and Aerospace Engineering of the same university. ORCID: https://orcid.org/0000-0002-4105-6700 Scopus Author ID: 23567095600 CV lattes http://lattes.cnpq.br/3563130099570018



BETINA SOLDATELI

Sede lavoro:	Universidade Federal do Rio Grande do Sul (UFRGS) (Brasile)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Nutrition; Epidemiology; Human Milk; Infant feeding.

Nutritionist • M.S. & Ph.D. in Epidemiology Postdoctoral Research Fellow at Pediatric and Newborn Medicine Department - Harvard Medical School Boston - USA Adjunct Professor at Nutrition Department - School of Medicine - Federal University of Rio Grande do Sul Porto Alegre - Brazil.



CRISTIAN VENDITTOZZI

H-Index:	7
Sede lavoro:	Universidade de Brasìlia (Brasile)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Aerospace Materials, Aerospace Structures, Fiber Bragg Grating (FBG), Monitoring Systems

I am associate professor at the Aerospace Engineering course at the University of Brasilia (Brazil). I hold a Master degree in Aerospace Engineering, a Ph.D. in Materials and Raw Materials Engineering, both from Sapienza, Rome University, and a Master of Business Administration (EMBA) from the Milan Polytechnic. My research is focused on activities related to aerospace but with frequent initiatives on other sectors: such as civil engineering, artistic and architectural heritage; particle physics (activity carried out jointly with INFN at CERN in Geneva, CH); mechanical engineering (automotive, motorcycle and racing sailboats applications), which has given a multidisciplinary character to my scientific production. My research topics are related to the development of embedded structural monitoring systems with the use of highly distributed optical fiber systems. More recently I am facing with foldable and deployable space systems.

CANADA

FILIPPO AGNELLI



Sede lavoro: McGill University (Canada)
SSD: 02 - Scienze fisiche
ERC: PE8 Products & process engineering
Keywords: Solid mechanics, Additive manufacturing, Topology optimization,

I am a Italian-French postdoctoral researcher at McGill University. My research background is mainly computational solid mechanics and computational material sciences. I did a PhD at Laboratoire de Mécanique des Solides, Ecole polytechnique under the supervision of A. Constantinescu, where I worked on the design cycle of mechanical architectured materials manufactured by 3D printing.

UMBERTO BERARDI



H-Index: 45
Sede lavoro: Ryerson University (Canada)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE5 Materials & Synthesis
Keywords: nanotechnology

Professor of Building Science - Dr. Berardi is a Professor and the Director of the BeTOP lab and group at Ryerson University in Toronto (Ontario). He holds a Canada Research Chair in Building Science since 2020. His main research interests are related to the study of innovative solutions and new materials for improving the performance within the built environment. In the first years of his career, Dr. Berardi often worked on natural materials for acoustic applications and on sustainable design through natural materials. Recently, he has been focusing on integrating nanotechnologies into building systems. He has mainly focused on organic PCMs, such as paraffin and bio-PCM, and on granular and monolithic aerogel. Dr. Berardi has an extensive publication record, including 140 peer-reviewed journals, 140 international conference papers, and five books. Dr. Berardi's publications have received 10,000 citations. He currently has funded research for over $2.5 M in government and private fund

FRANCESCO BIONDI



H-Index: 13
Sede lavoro: University of WIndsor (Canada)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH4 The Human Mind and its complexity
Keywords: Human Factors and Ergonomics

My work examines human-machine interaction in transportation and manufacturing. I leverage my background in cognitive science to understand how attention functions when allocated to multiple activities while driving. I conduct ergonomic assessments of user interfaces, and contribute to the development of adaptive, user-centered systems. I serve as an expert witness in cases involving distracted driving and driver interaction with vehicle technology.



DECIO COVIELLO

H-Index:	14
Sede lavoro:	HEC Montreal (Canada)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	micro economia

Professore Associato in Economia Politica e Canada Research Chair in Economics.



RICCARDO DI SIPIO

Sede lavoro:	University of Toronto (Canada)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	LHC, particelle, alte energie, top quark

I have been involved in several aspects of the physics programme of the LHC such as the search for the Higgs boson in the context of supersymmetric extensions of the Standard Model, and for Quantum Black Holes. My main field of expertise is the physics of top quarks. I have a long-standing experience in the measurement of their production cross-section as a function of kinematic observables. Currently, I am organizing the activities of the top cross-section working group of the ATLAS Collaboration, composed by about 100 people. In the past years, I coordinated two research groups to perform comprehensive measurements of the kinematics of top quarks at both low and very high momentum. I pioneered innovative methods to identify such particles, usually referred to as top-tagging. These methods are at the centre of a very active field of research as they are playing an increasingly important role in both searches for new physics and in precision measurements of top quarks.



NICOLA FAMELI

Sede lavoro:	n/a (Canada)
SSD:	02 - Scienze fisiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Biophysics

I trained in physics both in Italy, where I obtained a Laurea at the University of Padova in 1991, and in Canada, where I completed a PhD at the University of British Columbia (UBC), Vancouver, Canada, in 2000. My thesis projects for both degrees were in the field of experimental condensed matter physics. Following my studies, I worked as a lecturer of first- and second-year physics courses as well as a post-doctoral researcher in applied biophysics at UBC. I then embarked on a set of quantitative cellular physiology projects in a group of the Faculty of Medicine (UBC). Over the past 15 or so years, I have specialized in quantitative computational modeling of calcium transport processes at the basis of calcium signalling, especially in vascular smooth muscle and endothelial cells. I am a founding member of the Society of Italian Researchers and Professionals in Western Canada (more information at arpico.ca) and its current (as of June 2021) president.



STEFANO GREGORI

H-Index:	17
Sede lavoro:	University of Guelph (Canada)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	microelettronica, circuiti integrati, sensori, convertitori di potenza

Stefano Gregori received the Laurea and Doctorate degrees from the University of Pavia, Pavia, Italy, in 1997 and 2002, respectively. He was an Assistant Professor at the School of Engineering and Computer Science, University of Texas, Dallas, Texas, USA. At present, he is a Professor at the School of Engineering of the University of Guelph, Guelph, Ontario, Canada. His research focuses on the design, analysis, and characterization of integrated power converters, energy harvesters, and integrated circuits with analog and digital applications. Dr. Gregori is a Registered Professional Engineer in the Province of Ontario. He served on the organizing committees for the 2008 and 2009 IEEE Canadian Conference on Electrical and Computer Engineering, the 2014, 2016 and 2018 International Symposium on Bioplastics, Biocomposites and Biorefining, and the 2016 IEEE International Workshop on Computer Aided Modelling and Design of Communication Links and Networks.



EMILIA LUCA

H-Index:	4
Sede lavoro:	Sunnybrook Research Institute (Canada)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Human inner ear, Organoids, Hearing & Balance Regeneration, Neuroscience, Single-cell sequencing

Dr. Emilia Luca is a Research Associate at Sunnybrook Research Institute, Toronto, Canada. Dr. Luca holds a Ph.D. from the Catholic University of the Sacred Heart of Rome. Currently, she works in Dr. Alain Dabdoub's Laboratory to conduct research aimed at developing therapies for hearing and balance disorders. Using cutting-edge technologies such as single-cell multiomic approaches and bioinformatics tools, as well as 3D cell culture models (inner ear organoids), she investigates molecular mechanisms to regenerate human inner ear sensory cells.



WALTER LUCIA

Sede lavoro:	Concordia University (Canada)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering

I am currently an Associate Professor at the Concordia Institute for Information Systems Engineering (CIISE), Concordia University, Canada. I received an M.Sc. in automation engineering (2011) and a Ph.D. in Systems and Computer Engineering (2015) from the University of Calabria, Italy. In 2013, I was a visiting research scholar in the ECE Department at Northeastern University (USA), and in 2015, I was a visiting postdoctoral researcher in the ECE Department at Carnegie Mellon University (USA). In 2016, I joined Concordia University as an Assistant Professor, where, in 2021, I have been promoted to the rank of Associate Professor. My current research interests include control of unmanned vehicles, predictive control, fault-tolerant control, and secure and resilient control of cyber-physical systems. I am an Associate Editor for different journals and conferences such as IEEE Systems Journal and Control System Society - Conference Editorial Board.

CHIARA PIAZZESI



Sede lavoro:	Université du Québec à Montréal (Canada)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production
Keywords:	Sociology of intimacy; Social media; New technologies; Gender; Sociological theory

Chiara Piazzesi is Professor of sociological theory at the Department of Sociology, Université du Québec à Montréal (Canada). Trained in Philosophy at the Scuola Normale Superiore in Pisa (Italy), the Ecole Normale Supérieure (Paris and Lyon, France), the University of Salento (Lecce, Italy), and the Ernst-Moritz-Arndt-Universität in Greifswald (Germany), She has been working for several years on Nietzsche's philosophy and on classical and contemporary sociological theory. In addition, she has worked on the relationship between knowledge and belief - especially religious belief - in the thought of Pascal, Kierkegaard and Wittgenstein. Her current research project focuses on the contemporary paradigms and forms of erotic and romantic love in Western societies, with an emphasis on the transformation of gender dynamics and the impact of new technologies. She has published 5 books, several peer reviewed papers and book chapters.

DANIELE PRANZETTI



H-Index:	16
Sede lavoro:	Perimeter Institute for Theoretical Physocs (Canada)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE9 Universe sciences
Keywords:	Gravità quantistica, buchi neri

- Articoli in rivista: 22 - Partecipazione come relatore a convegni di carattere scientifico in Italia o all'estero: 23 - Dal 03/2017 'Abilitazione Scientifica Nazionale', II fascia, settore 02A2 - Dal 02/2018 'Qualification', corps Maitre de conférences, Section 25 - Mathématique, Section 29 - Constituants élémentaires

MATTEO SALETTI



H-Index:	4
Sede lavoro:	Department of Geography, University of British Columbia, Vancouver, BC, Canada (Canada)
SSD:	04 - Scienze della terra 08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science
Keywords:	Geomorfologia, Ingegneria Fluviale

I am an Environmental Engineer (doctorate obtained in 2016) with 10 years of academic experience in fluvial geomorphology and river engineering, both with respect to research and teaching. In the last years I developed numerical models, conducted physical experiments in hydraulic labs and filed campaigns, all concluded in the publications of several journal and book chapter articles. At the same time I have thought courses for students between 1st and 4th year at the University, as well as lead summer schools and team works.



CLAUDIO SGARBI

Sede lavoro: Carleton University (Canada)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH5 Cultures & cultural production
Keywords: Architettura Arte Storia Teoria

Claudio Sgarbi, Dottore in Architettura (IUAV), MS, Ph.D (University of Pennsylvania), Adjunct Research Professor (Carleton University) ,Tutor (Marangoni Design School), is a registered architect in Italy and is lecturing in several universities in Canada, Europe, United States and the Middle East. His major fields of research concern the ethics and the responsibility, the image and the gender of the architect, the meaning of limits in the design of spaces and in the settings of construction sites, the building technologies, and the relevance of architectural history and theory in our contemporary projects. He designs, writes, publishes and lectures to accomplish these research projects while being fully involved in the technical aspects of the construction processes. He has published several articles, books chapters and a book: Vitruvio Ferrarese. “De architectura”: la prima versione illustrata, (Franco Cosimo Panini Editore, 2004).



ANTONIO STRAFELLA, MD PHD FRCPC FCAHS

Sede lavoro: University Health Network, University of Toronto (Canada)
SSD: 06 - Scienze mediche
ERC: LS5 Neurosciences & neural disorders
Keywords: Neuroscience

Professor of Neurology, Chair of Research, Division Neurology, University of Toronto; Board Director Parkinson Canada; Fellow Canadian Academy Health Sciences



ALESSANDRO TARSIA

Sede lavoro: University of the Fraser Valley (Canada)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH5 Cultures & cultural production SH6 The study of the human past
Keywords: Storia, Etnostoria, Antropologia Culturale, Popoli Indigeni del Nord America, Ndrangheta, Storia della Medicina,

I am an Italian ethnohistorian working with the Stó:lõ communities of the Fraser Valley (British Columbia), in a CES (Community-Engaged Scholarship) epistemological and methodological framework. From 2020, I am a sessional instructor of the HIST 103 course at the Fraser Valley University. From 2017 to 2020, I have been a Research Assistant on various projects for my supervisor, Keith Carlson, Canada Research Chair of Indigenous and Community-engaged History. I worked within the Collaboratorium Lab with the Department of History, University of Saskatchewan. At the UofS, I have been a Teaching Assistant and Seminar Leader for many courses on various historical topics, teaching also Italian. In Italy, I collaborated with the Chairs of Rhetoric of Communications, Cultural Anthropology, and Italian Literature, writing a book on the history of ergotism in Southern Italy, and an ethnohistory of the ‘Ndrangheta.

CILE

MARIO BRUNO



Sede lavoro:	Universidad de Playa Ancha (Cile)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	intelligenza computazionale, ingegneria del software, gamification

Professore a tempo pieno presso il Dipartimento di Informatica e Scienza dei Dati, Facoltà di Ingegneria, Universidad de Playa Ancha, Valparaíso, Cile. Dottore in Ingegneria Informatica e delle Telecomunicazioni presso l'Università di Firenze, Italia, nel 1997. Laurea in Ingegneria Informatica presso l'Università Tecnica Federico Santa María, Valparaíso, Cile, nel 1990. La mia attività di ricerca si concentra sull'uso di metodi e tecniche computazionali di applicabilità sociale in sistemi distribuiti e digitalmente interconnessi per la formazione di studenti universitari e laureati. Altre aree di interesse sono le caratteristiche dei videogiochi educativi per un invecchiamento sano, la relazione dell'informatica con l'agricoltura, compresi i cambiamenti meteorologici, i metodi di irrigazione e la produttività, e la gestione del rischio di disastri, compresi gli incendi boschivi, gli incendi nelle scuole, l'uso dei droni nei disastri naturali, ecc.

ENRICO CONGIU



Sede lavoro:	Universidad de Chile (Cile)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Interstellar medium, galaxies

I am a postdoctoral researcher at the Departamento de Astronomía de Universidad de Chile. My research focuses on investigating the small-scale physics of the interstellar medium and its role in galaxy evolution.

MARCO COSCIONE



Sede lavoro:	Gestión Social S.A. consulenze sulla sostenibilitá (Cile)
SSD:	14 - Scienze politiche e sociali
ERC:	SH3 Environment & society
Keywords:	Commercio Equo e Solidale

Marco Coscione è laureato in Scienze Internazionali e Diplomatiche (Università degli Studi di Genova, gennaio 2004) e Master Ufficiale in “América Latina Contemporánea y sus relaciones con la Unión Europea” (Universidad de Alcalá, España, luglio 2008). Inoltre ha un diploma sulla “Gestione di Cooperative ed Economia Sociale e Solidale” (Universidad de Santiago de Chile, ottobre 2018) ed uno su “Il futuro della Unione Europea e le sue relazioni con l’America Latina. Verso Vienna 2006” (Instituto de Estudios Internacionales, Universidad de Chile, aprile 2006). La sua ricerca internazionale si è centrata soprattutto sul commercio equo e solidale in America Latina e le sue relazioni con l’Europa. Ha vissuto, fatto ricerca e pubblicazioni sul commercio equo in Italia, Spagna, Cile, Repubblica Dominicana, Colombia e Costa Rica. Dal 2017 vive a Santiago del Cile e svolge consulenze e ricerche sulla sostenibilità. A marzo 2022 comincerà una nuova ricerca sul commercio equo in Cile.

GIUSEPPE D'AGO



H-Index:	19
Sede lavoro:	Pontificia Universidad Católica de Chile - Instituto de Astrofísica (Cile)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Galaxy formation and evolution, Spectroscopy, Exoplanets

Laurea in Fisica conseguita presso l'Università degli Studi di Napoli "Federico II" nel 2011 con una tesi sull'Astrofisica delle Alte Energie, e Dottorato di Ricerca in Fisica conseguito presso l'Università di Salerno nel 2015 con una tesi sul Microlensig Gravitazionale. Successivamente, Assegnista di Ricerca presso l'IIASS di Vietri, in collaborazione con l'Università di Salerno, tra il 2015 ed il 2016. Borsista presso l'INAF-Osservatorio Astronomico di Capodimonte, a Napoli, dal 2016 al 2018. Dal 2018, Postdoc presso l'Instituto de Astrofísica alla Pontificia Universidad Católica de Chile, a Santiago del Cile. L'attuale argomento di ricerca principale è lo studio della formazione e dell'evoluzione dell'Universo mediante l'analisi automatica di dataset spettroscopici massivi e di cubi IFU, e lo sviluppo di tool e pipeline per l'analisi di dati spettroscopici e fotometrici. Circa 350 notti di osservazione all'attivo con diversi telescopi, strumenti, e tecniche.

GIUSEPPE DE NITTIS



H-Index:	14
Sede lavoro:	Pontificia University Cattolica del Cile (Cile)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE1 Mathematical foundations PE3 Condensed matter physics
Keywords:	Fisica Matematica, Meccanica Quantistica, Materia Condensata, Isolanti Topologici

Nel 2006 ho conseguito la laurea magistrale in fisica teorica presso l'Università di Pisa e nel 2010 il PhD in fisica matematica presso la SISSA di Trieste. Dopo 2 anni di post-doc a Parigi e 3 in Erlangen (usufruendo di una borsa di studio Humboldt) sono arrivato nel 2015 alla Pontificia Universitá Cattolica del Cile come professore assistente. Dopo due anni di attività sono stato promosso professore associato. La mia attività di ricerca riguarda problemi matematici della meccanica quantistica, in particolare per sistemi di materia condensata. Negli ultimi anni mi sono concentrato particolarmente sugli isolanti topologici. Al momento sono autore di 35 articoli pubblicati su riviste indicizzate internazionali e di una monografia.

PIERGIORGIO DI GIMINIANI



Sede lavoro:	Pontificia Universidad Catolica de Chile (Cile)
SSD:	14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	Agricultura, sviluppo, popolazioni indigene, conservazione

PIERGIORGIO DI GIMINIANI, Ph.D. CURRENT POSITION: Pontificia Universidad Católica de Chile, Associate Professor, Department of Anthropology, August 2010 to present. SPECIALIZATIONS: Chile, Latin America, Italy, Environmental Anthropology, state, indigeneity, property, agriculture, neoliberalism, ecology and conservation. EDUCATION: PhD. 2011. Social Anthropology, University College London (U.K.). Dissertation: Ancient lands, Contemporary Disputes: Land restoration and belonging among the Mapuche people of Chile. M.Sc. (with distinction) 2006. Social Anthropology, University College London (U.K.) B.A. cum laude



ROBERTO SEBASTIAN LOPEZ VALENZUELA

Sede lavoro: Investigador (Cile)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: LS5 Neurosciences & neural disorders

Engineering field professional. Finished his career in 2012. Finished his Master in Electrical Engineering at the University of Concepción in 2013. Finished his Doctorate in Electrical Engineering at the University of Concepción in 2018. His fields of interest are biomedical instrumentation, biomedical signal processing and bioelectronics. It has 5 years of experience in the study of sleep bruxism and in research about neurostimulation to treat bruxism. It has 4 years of experience as Part-time university teacher at the University of Concepcion.



CHIARA MAZZUCCHELLI

Sede lavoro: European Southern Observatory (Cile)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: Astronomy, Astrophysics, Observational Extragalactic Astronomy, Black holes

I obtained both my bachelor degree in Physics (2012) and my master degree in Astrophysics (2014) at the University of Milano-Bicocca. Then, I moved to Germany, where I completed my Phd in Astronomy at the University of Heidelberg (2018), working at the Max-Planck Institute for Astronomy. Currently, I am a Research Fellow at the European Southern Observatory in Chile, since 2018. I dedicate half my working time to my scientific research, and half to support scientific operations at the Paranal Observatory, in the Atacama desert. Regarding my research, I work in the field of observational extragalactic astronomy. I am interested in active galactic nuclei and quasars at the beginning of the universe (epoch of reionization). I work on the discovery such sources from large-area sky surveys data, I study the properties of their black holes, of the gas nearby, and of the galaxies surrounding them.



LORENZO MONACO

H-Index: 40
Sede lavoro: Universidad Andres Bello (Cile)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences

I received the bachelor and PhD degrees in astronomy in 2000 and 2004, both of them from the Bologna University. Afterwards, I covered a postdoctoral position at the Trieste Observatory and in June 2005 I have been appointed as ESO (European Southern Observatory) fellow with duty station at the La Silla Observatory. Since then, I have been living in Chile working as postdoctoral researcher at Universidad de Concepcion first (2008-2010), then as staff astronomer at ESO/Paranal (2010-2015) and since April 2015, at the Universidad Andres Bello (UNAB), where I am now associate professor.

CLAUDIA PALADINI



H-Index: 17
Sede lavoro: European Southern Observatory (Cile)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: astrofisica, strumentazione, modelli di atmosfere, stelle evolute

Claudia Paladini works as Operations Staff Astronomer at the European Southern Observatory in Chile, with duties on the Very Large Telescope (Cerro Paranal). She completed a PhD at the University of Vienna (Austria), and her undergraduate studies at the University of Padova (Italy). Her research interests lie in the field of Stellar Astrophysics with a focus on evolved stars, using both observations and models of stellar atmospheres.

EMANUELA POMPEI



Sede lavoro: ESO (Cile)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: Astrofisica

Laurea in Fisica presso l'università' degli studi di Roma "La Sapienza" nel 1994 Teaching assistant at Ohio State Department of astronomy in 1998 Dottorato di ricerca presso l'università' degli studi di Trieste nel 1999 Borsa di post-dottorato all'Osservatorio astronomico di Torino 1998-1999 ESO fellowship 1999-2001 Tenure track astronomer at ESO/duty station Paranal 2001-2007 Tenured astronomer 2007-present; duty station Paranal and La Silla Currenlty instrument scientist of SOXS and support astronomer for Euler 1.2m telescope, the 3.6m telescope, and related instrument suite.

CAMILLO ROBERTINI



Sede lavoro: Instituto de Estudios Internacionales (Cile)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH3 Environment & society SH5 Cultures & cultural production
Keywords: Latin America History, Memory

Camillo Robertini is a Ph. D. graduate in Historical Studies from the University of Florence and Siena. He holds a Bachelor's Degree in History from the University of Perugia and a Master's Degree from the Ca' Foscari University of Venice. He works with oral history, labour history, and memories of the Argentine dictatorship, with a special focus on the history of Fiat in Latin America. He worked as a scholar at the Argentine Ministry of Education during 2017, and as a CONICET postdoctoral scholar at the "Gino Germani" Research Institute of the University of Buenos Aires between 2018 and 2020. He is currently working as a researcher at the Institute of International Studies of the University of Chile, and is developing a project funded by the National Research and Development Agency of Chile (ANID). He is the author of Quando la Fiat parlava argentino. Una fabbrica italiana e i suoi operai nella Buenos Aires dei militari.

CHIARA SARACINI



H-Index:	6
Sede lavoro:	Universidad Católica del Maule (Cile)
SSD:	05 - Scienze biologiche 06 - Scienze mediche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords:	cognitive neuroscience, cognitive psychology, EEG, brain

Full-time Assistant Researcher in Catholic University of Maule (Universidad Católica del Maule, UCM), in Talca, Chile. I am the alternate director of the Neuropsychology and Cognitive Neurosciences Research Center (CINPSI Neurocog) of the Health Sciences faculty of the UCM. Research: I am the PI of the ANID funded research grant (Fondecyt de Iniciación) N. 11190828 – "Conscious percept emergence and cognitive flexibility in visual bistable phenomena: An EEG experimental study" and the Co-Researcher in the ANID funded research grant (Fondecyt Regular Project) N. 1181472 of Dr. Diana Martella (UAC, Santiago) – "The contribution of the arousal and vigilance systems in the Attention Deficit Hyperactivity Disorder (ADHD): an experimental study". I am Professor in the Doctorate Course of "Psychology" and in the the Master in "Children's and Adolescents' Mental Health" from UCM. I am part of the Scientific Ethical Committee of the UCM.

GIOVANNI VECCHIO



H-Index:	8
Sede lavoro:	Pontificia Universidad Católica de Chile (Cile)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society

Giovanni Vecchio è professore assistente presso l'Instituto de Estudios Urbanos y Territoriales della Pontificia Universidad Católica de Chile e ricercatore presso il Centro de Desarrollo Urbano Sustentable (Cedeus) a Santiago del Cile. Ha conseguito un dottorato di ricerca in Urban Planning, Design and Policy presso il Politecnico di Milano. La sua ricerca indaga le implicazioni sociali della pianificazione urbana e dei trasporti, concentrandosi su accessibilità e giustizia, vulnerabilità territoriale e questioni di pianificazione.

SHARON VISCARDI



H-Index:	10
Sede lavoro:	Universidad Católica de Temuco (Cile)
SSD:	04 - Scienze della terra 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Microbiology of starter cultures and protechnological strains,

Dr. Sharon Viscardi sviscardi@uct.cl ACADEMIC CARREER Researcher at Food Production Nucleus, Universidad Católica de Temuco, Chile Associated Professor, Health Science Faculty, Universidad Católica de Temuco, Chile PhD in Natural Resources Science, Facultad de Ingeniería, Ciencias y Administración, Universidad de La Frontera, 2016, Chile PhD in Natural Resources Science, Agriculture Department, Universitá degli studi di NApoli Federico II, 2016, Italia (doble degree) Biologist- nutricionist, Agriculture Department, Universitá degli studi di NApoli Federico II, 2012, Italia Food Technologist, Agriculture Department, Universitá degli studi di NApoli Federico II, 2010, Italia RESEARCH LINES Microbiology of starter cultures and protechnological strains Functional Foods Biofertilizers.



Aerial view of the ESO Very Large Telescope (photo ESO)

CINA

IVAN CARDILLO



Sede lavoro:	China University of Political Science and Law (Cina)
SSD:	12 - Scienze giuridiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Commercio, codificazione, IP, comparazione, stato di diritto, modernizzazione, teoria del diritto, cooperazione giudiziale, diritto internazionale

Senior Lecturer e Vice Direttore dell'Istituto di diritto straniero e diritto comparato, presso la facoltà di giurisprudenza della Zhongnan University of Economics and Law, con sede a Wuhan, dove tiene vari corsi per studenti cinesi in lingua cinese, tra cui Introduzione al diritto comparato, Comparazione tra la cultura giuridica occidentale e cinese, Storia del diritto straniero, Diritto e cinema, Etica delle professioni legali. Visiting Professor presso l'Università di Trento, dipartimento Facoltà di giurisprudenza, dove è titolare dei corsi di "Introduzione al diritto cinese" e "Diritto Cinese Avanzato". Adjunct Professor presso la China University of Political Science and Law in qualità di Foreign Expert su nomina del Ministero cinese della scienza e tecnologia per il progetto "Stato di diritto per l'economia internazionale nel quadro della via della seta".

ANDREA DAL MAS



Sede lavoro:	Peking University (Cina)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis PE6 Computer science & informatics
Keywords:	Nanotechnology, Nanogenerator, Energy, Blockchain,

ANDREA DAL MAS Beijing, China | +86 158 0158 8153 | adalmas@hotmail.com | about.me/adalmas Education M.Sc. Advanced Materials & Mechanics (Chinese) / Class of 2021 Peking University, Beijing International Capstone Project with Yokohama National University, Yokohama: A Blockchain-Based Consensus Mechanism for An Online Self-Refereeing Academic Journal Publishing Platform - 2017 to 2018. B.Eng. Energy & Resource Engineering (Chinese) / Class of 2017 Peking University, Beijing International Capstone Project with University of California, Irvine: Harvesting Micro-Meso Scale Triboelectric Energy from the Environment, 2015-2016. Awards and Acknowledgements 1st Place / Ignite Moving Ideas Competition Concept creator, team builder and project initiator for the winning project of the contest sponsored by the Italian Embassy in China and the Italian Chamber of Commerce in China. Founding Member / PKU Blockchain Student Union The only non-Chinese founding member of the Association.

MASSIMILIANO GALLUZZI



Sede lavoro:	Shenzhen Institute of Advanced Technology, Chinese Academy of Scier (Cina)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Atomic Force Microscopy, Ionic Liquids, Biomechanics

Dr. Galluzzi's research interests regard mainly the quantitative characterization of mechanical, electrical and morphological properties by Atomic Force Microscopy (AFM). He is interested in force spectroscopy coupled with morphology on a broad range of materials, especially soft: polymers, hydrogels and their composites. Thin film investigation with nanoparticles metrology applied to nanostructured electrodes, graphene-based structures. In the

thin film field, Dr. Galluzzi is also interested in nanoscale impedance spectroscopy by conductive AFM for conductivity or dielectric properties investigation, for example, thin film of Ionic Liquids. Finally, Dr. Galluzzi is analyzing the morpho-mechanical properties of biological relevant systems: from nanoscale structures like membranes, lipid bilayers and proteins to micro-scale objects like bacteria, living cells and tissues.



EMILIO MASTRIANI

H-Index:	5
Sede lavoro:	Harbin Medical University (Cina)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Evolutionary analysis; Episodic selective pressure; Virus evolution; Codor mutation; Binding probability

Emilio Mastriani Work experience 2014-Now: Lecturer at HMU-UCCSM Centre for Infection and Genomics, Harbin Medical University, China 2006–2014: Computer scientist, Consorzio COMETA, University of Catania, Italy 2002–2006: Computer scientist, Comunicando SPA, Catania, Italy Education Doctor of Philosophy, Computational Biology, Selinus University, Bologna, Italy, 2020 November 15 "Unsupervised clustering approach to characterize the CPG Island distribution of the Andes Hantavirus" Master of Science, Computer Science, University of Catania, Catania, Italy, 2000 November "Covert channel analysis of Linux file system" Recent Publications (more than 40) 1. E.Mastriani, A. V. Rakov, Shu-Lin Liu. An evolutionary analysis of the SARS-CoV-2 genomes from the countries in the same meridian 2. A. V. Rakov, D. M. Schifferli, Shu-Lin Liu, E. Mastriani. HamHeat: A fast and simple package for calculating Hamming distance from multiple sequence data for heatmap visualization



MAURIZIO TONETTI

H-Index:	81
Sede lavoro:	Hong Kong University (Cina)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Odontoiatria, Parodontologia, Implantologia, Trial Clinici

Professor Maurizio S. Tonetti DMD (Genova, Italy), PhD (Berne, Switzerland), MMSc (Harvard, USA), FDS RCPS, FDS RCS(England) Clinical Professor and Head of Periodontology, Faculty of Dentistry, Hong Kong University and Executive Director, European Research Group on Periodontology. Editor in Chief of the Journal of Clinical Periodontology. Formerly Professor and Head of Periodontology at University College London and University of Connecticut Health Science Center. Clinical practice limited to Periodontology and implant surgery with emphasis on regeneration, minimally invasive surgery and microsurgery. He has been working with leading colleagues to provide periodontal care and dental implant treatment to the world elite. His scientific work has been cited > 22,000 times and featured in many press and televeision news. He has been engaged worldwide in the planning and delivery of advanced educational programs in Periodontology and Implant Dentistry.

CIPRO

MIA TRENTIN



Sede lavoro:	The Cyprus Institute (Cipro)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Medieval History, Epigraphy, Digital Humanities

She educated with an interdisciplinary curriculum, including Archaeology (BA), Cultural Heritage Studies (MA) and Social History (PhD), which reflects her interests and research approach. In September 2017, she joined The Cyprus Institute - STARC with a post-doc position in collaboration with NCSA (National Center for Supercomputing Application) - the University of Illinois at Urbana Champaign, enriching her knowledge in Digital Humanities. Her research interest focuses on Medieval and Modern written culture in all their aspects, from traditional historical study and sources' editing to epigraphy and digital tools. She is specialized in informal written communication – graffiti. In this field, she develops a specific methodology based on semantic descriptions (ontologies) and data integration.

THE CYPRUS INSTITUTE
RESEARCH•TECHNOLOGY•INNOVATION

COREA DEL SUD



FRANCESCO CANGANELLA

Sede lavoro: Ambasciata (Corea del Sud)
SSD: 07 - Scienze agrarie e veterinarie
ERC: LS9 Applied life sciences & biotechnology

Research assistant since the academic year 1986/87 in the microbiology laboratory of the Agricultural College at the University of Tuscia, Viterbo – Italy. One year (1989) spent at the Georgia Institute of Technology (Atlanta, GA, U.S.A.). One year (1991) spent in the lab of Prof. J. Wiegel at the University of Georgia, Athens, GA, U.S.A. (Dept. of Microbiology). In1993, nine months spent in the lab of Prof. G. Antranikian (Technische Universität, Hamburg) working on thermophilic archaea and bacteria. In 1999 he was back at the University of Georgia in the lab of Prof. J. Wiegel, to work on the physiology of thermophilic microorganisms. Associate Professor in Agricultural and Environmental Microbiology by the University of Tuscia since 2000. Full Professor in Agricultural and Environmental Microbiology by the University of Tuscia since 2000. Since July 2013 he is appointed from the Italian Ministry of Foreign Affairs as Scientific Attaché by the Italian Embassy at Seoul.



DOMENICO FRATTINI

H-Index: 4
Sede lavoro: Seoul National University of Science and Technology (Corea del Sud)
SSD: 03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC: PE5 Materials & Synthesis

BSc (2008) and MSc (2012) in Chemical Engineering, at University of Naples Federico II. Ph.D. in Industrial Engineering (2016) at University of Naples Parthenope. Post-graduate scholarship in the R&D Project “FCSMARTGEN – Hybrid-polygeneration platforms for fossil fuels/renewable sources” (2012) at University of Naples Parthenope. Since June 2015 he is a Visiting Researcher at KIST. Since May 2017 he is Post Doc at Seoultech. The major research topics are about materials for fuel cells applications: synthesis, fabrication, characterization and testing.



EDOARDO MAGNONE

H-Index: 24
Sede lavoro: Dongguk University (Corea del Sud)
SSD: 03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC: PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis PE8 Products & process engineering
Keywords: Chemistry; Materials Science; Inorganic Materials for Energy; Inorganic Material Chemistry; Physical Chemistry; Electrochemistry; Membrane Science; Advanced Oxide Materials; Perovskite-type Materials; Nanomaterials; Inorganic Membranes

He graduated in Chemistry at the Institute of Physical Chemistry, University of Genoa. In 1999 he received his Ph.D. degree in Chemical Science at the Department of Chemistry and Industrial Chemistry, University of Genoa, with a bias in his research toward the chemistry, electrochemistry, and closely related fields. In 2004 he moved to The University of Tokyo, where he served as visiting research associate at the Nanostructured Materials for Environment and Energy Joint Laboratory and at the Komaba Open Laboratory (KOL). He has also served as research associate at the World Premier International (WPI) Centre for Materials Nanoarchitectonics (MANA-NIMS), for a one-year period. In 2010 he enjoined at the Korea Institute of Energy Research (KIER), Daejeon, as a researcher in the field of membrane science,

hydrogen and oxygen production technologies. At present Magnone is serving as assistant professor in the Department of Chemistry & Biochemical Engineering, Dongguk University, Seoul.



ANDREA PALUSELLI

Sede lavoro: Incheon National University (Corea del Sud)
SSD: 03 - Scienze chimiche 05 - Scienze biologiche
ERC: LS8 Evolutionary, population & environmental biology

I was born in October 8th 1987 in Rome, Italy. I graduated in Biological Science at “La Sapienza” University of Rome in 2010 and then in Marine Biology at the University of Pisa in 2013. I started my research working on the marine dynamic of dissolved organic carbon at CNR of Pisa and then on its chemical characterization at Woods Hole Oceanographic Institution (USA). I did my PhD at Aix-Marseille Université at Mediterranean Institute of Oceanography, Chemical department (Marseille, France) in 2018. My PhD project dealt with the development of an analytical method for plastic additives analysis in seawater and the study of the dynamics and distributions of microplastics and plastic additives in marine environment. Currently, I live in Seoul (Korea), where I will continue my research on plastic accumulation in the ocean and on plastic chemicals contamination as a Post-Doc researcher at Incheon National Univerisity.



CLAUDIO SARACINI

Sede lavoro: Korean Research Fellowship (Corea del Sud)
SSD: 03 - Scienze chimiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Spectroscopy, Excited State, Laser, Reactivity, Catalysis

After graduation at the University of Rome "Tor Vergata", I moved to The Johns Hopkins University (USA) for my second Masters and my Ph.D., focusing on electron transfer dynamics and photochemistry. In 2014, I moved to University of California, Berkeley, where I contributed to the elucidation of the mechanism by which photosystem II achieves catalytic water oxidation to produce dioxygen in plants. The work in Berkeley featured a publication on the journal Nature. In 2016, I was awarded with the Korean Research Fellowship by the National Research Foundation of Korea. My work in Seoul revolves around exploring new approaches to investigate ultrafast laser-induced dynamics and electron transfer processes in bioinspired molecular systems. Along my career, I experienced working in Europe, USA, and in Asia.

DANIMARCA



MARIACELESTE ARAGONA

H-Index:	12
Sede lavoro:	Copenhagen University (Danimarca)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology LS4 Physiology, Pathophysiology & Endocrinology LS9 Applied life sciences & biotechnology
Keywords:	Mechanobiology, Development, Stem cells, Skin, Molecular biology, biology, Tissue biology, Histology

In my work I aim to understand the roles of biomechanics and signalling pathways that shape tissues and provide positional information for cell fate decisions (Morsut et al., Development 2010; Mamidi et al., Cell Death Differ 2012; Inui et al., Proc. Natl.Acad. Sci. USA. 2012) and I demonstrated that tissue architectural and physical parameters themselves are pivotal signals that spatially patterned the activity of two potent transcription co-factors: YAP/TAZ (Dupont et al., Nature 2011; Aragona et al., Cell 2013; Enzo et al., EMBO J 2015). Recently I focused my attention on the study of adult stem cells (Aragona et al., Nat Comm, 2017; Aragona et al., Nature 2020). Now the focus of my research is to understand how mechanical cues, morphogens, cell-cell interactions and competitions locally regulate transcription and how this impacts skin stem cell physiology and pathology. Since September 2020 I am an Associate Professor at Copenhagen University.



DAVIDE BACCO

H-Index:	18
Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	02 - Scienze fisiche
ERC:	PE7 Systems & communication engineering
Keywords:	Comunicazione quantistica

Davide Bacco is an Assistant Professor at the Department of Photonics Engineering at the Technical University of Denmark (DTU). He received his degree in Engineering Telecommunication in 2011 at the University of Padova, Italy. In 2015 he finished in the same University the Ph.D. degree on Science Technology and Spatial Measures (CISAS). His research interests regard quantum communication, quantum cryptography and silicon photonics for quantum communications.



FRANCESCO GIUSEPPE BIONDANI

Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Master in Mechanical engineering from Universita' degli studi di Padova with focus on polymer processing. Phd from Technical University of Denmark with focus on Additive manufacturing and material removal processes. Main research topics: - Additive manufacturing of moulds and dies - Process chains for mould manufacturing - Characterization of steel surfaces - Generation of smooth surfaces - Simulation of the surface generation process in machining

ALESSIO BOLDRIN



H-Index:	22
Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	08 - Ingegneria civile e Architettura 09 - Ingegneria industriale e dell'informazione
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Rifiuti, risorse, caratterizzazione, life cycle assessement, material flow analysis

Alessio Boldrin is Associate Professor in the field of waste and resource management at the Department of Environmental Engineering, Technical University of Denmark. He has a double M.Sc. in Environmental Engineering (University of Padua and DTU, 2005) and holds a Ph.D. in Waste Management (DTU, 2009). His Postdoc focused on sustainability of biofuel production from waste and energy crops. Past research activities included both practical and technological aspects (e.g. waste characterization, gaseous pollutants measurements) and methodological issues (e.g. LCA modelling, resource assessment). Current research activities deal with environmental modelling of integrated waste and resource management systems, biogas production and nanowaste. In 2011, he was awarded as Top Reviewer of "Waste Management". He has co-authored about >35 peer-reviewed ISI papers. Alessio has been involved in projects for Danish Municipalities, the Danish Research Council, the Danish EPA, EU-FP7, and EU-H2020.

DAVIDE CAMMARANO



H-Index:	33
Sede lavoro:	Aarhus University (Danimarca)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Cambiamenti climatici, agricoltura di precisione, modellistica

I am currently an Associate Professor in the Department of Agronomy with an emphasis on Agronomy and Digital Agriculture for sustainable food systems. The goal of the research program is to help farmers facing challenges, such as the optimization of agronomic practices for both economic and environmental issues, and to deal with a variable and changing climate, by providing strategies and tools that combine field, laboratory, and digital data to improve the resource use efficiency. I am an Associate Editor in Chief of the European Journal of Agronomy, and the Italian Journal of Agronomy. From 2011 to 2021 I managed to secure $130566 USD as PI, $ 12148673 USD as Co-PI, and 511400 as Co-I. I authored and co-authored 69 scientific publications, 12 chapters of books, 16 peer-reviewed proceedings and presented my work at International conferences.

ALESSANDRA CAMPLANI



Sede lavoro:	University of Copenhagen (Danimarca)
SSD:	02 - Scienze fisiche
ERC:	PE7 Systems & communication engineering
Keywords:	Physics, FPGA, VHDL

KEY WORDS: Physics, FPGA, VHDL. February 2018 – Present: postdoc researcher at the University of Copenhagen. January 2016 - May 2018: CERN (European Organization for Nuclear Research) based experience. November 2014 - January 2018: Ph.D. Student in Physics at Universita' degli Studi di Milano. April 2014 - October 2014: winner of an

INFN (Italian Institute of Nuclear Physics) fellowship. March 2014/15 - June 2014/15: laboratory assistant at the Physics department, Universita' degli Studi di Milano. November 2013: master degree in Physics, minor in Nuclear Physics, at Universita' degli Studi di Milano. April 2011: bachelor of science degree in General Physics at Universita' degli Studi di Milano.

ENRICO CAPPELLINI



H-Index:	22
Sede lavoro:	University of Copenhagen (Danimarca)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology SH6 The study of the human past
Keywords:	ancient DNA, ancient proteins, proteomics, mass spectrometry, archaeology, heritage science

I use high-resolution mass spectrometry (MS) to sequence ancient protein residues recovered from paleontological and cultural heritage materials. I am actively involved in methodological development to push reliable recovery of ancient proteins further back in time, to minimise starting sample quantities and to improve data analysis and interpretation. Initially trained in biochemistry at the University of Turin (Italy), I then expanded my expertise in ancient biomolecules analysis during my doctoral studies at the University of Florence (Italy) in 2000-03. I moved to the University of York (UK, 2004-08) and then, in 2009, to the University of Copenhagen (DK). We published the first ancient proteome (Cappellini et al., JPR, 2012), the first ancient oral metaproteome (Warinner et al., Nature Genetics, 2014) and a "Perspective" piece on "Science". In October 2016, I was appointed Associate Professor in Paleoproteomics at SNM to start my own research group.

MARCO CARRETTA



H-Index:	4
Sede lavoro:	CCIT, Herlev Hospital (Danimarca)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	immunologia, ematologia, oncologia

I am a biologist with a strong interest and dedication in Oncology research. I first obtained a bachelor's degree in Biotechnology and a master's degree in Biology and Biomedical Application (cum laude) at University of Parma. After graduating I moved to The Netherlands, where I joined the department of Membrane Enzymology at the University of Groningen (RUG). After this constructive experience, I obtained a PhD position at the department of Experimental Hematology (UMCG, J.J. Schuringa's lab). Here, beside learning most of the hematological assays, I gained particular expertise in modelling leukemia both in vitro and in vivo. After obtaining my PhD I moved to Denmark where I carry out my current research, which focuses on establishing murine model to investigate immunotherapeutic approaches to fight cancer.

DAINA CRAFA



H-Index:	10
Sede lavoro:	Aarhus University (Danimarca)
SSD:	05 - Scienze biologiche 06 - Scienze mediche 14 - Scienze politiche e sociali

ERC:	LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords:	Cultural neuroscience, social neuroscience, psychiatry

I am a Social Neuroscientist and Assistant Professor at the Interacting Minds Centre, Aarhus University, Denmark. My research examines typical and pathological social cognition in healthy participants and psychiatric patients. I have worked with populations across 8 countries. Currently, I am using fNIRS brain imaging devices to study adaptive, real-time social processes in the brain. More information can be found on my professional website: www.dainacrafa.com



FRANCESCO DA ROS

Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	comunicationi ottiche, ottica nonlinear

Francesco Da Ros ha conseguito il B.Sc. laurea in ingegneria dell'informazione presso l'Università degli Studi di Padova, Italia, nel 2008. Ha inoltre conseguito un doppio M.Sc. laurea in ingegneria delle telecomunicazioni presso l'Università degli Studi di Padova, Italia, e la Technical University of Denmark (DTU), Danimarca, nel 2011 e il dottorato di ricerca alla DTU nel 2015. Tra il 2013 e il 2014 ha trascorso un soggiorno di ricerca di sette mesi presso il Fraunhofer Institute for Telecommunications, Heinrich-Hertz-Institute, Germania. Tra il 2015 e il 2018, ha lavorato come ricercatore post-doc alla DTU all'interno del centro for Silicon Photonics for Optical Communications (SPOC) concentrandosi sull'elaborazione di segnali nel dominio ottico e sulle tecniche di compensazione della non linearità per i sistemi di trasmissione in fibra ottica. Dal 2019 è ricercatore a tempo indeterminato nel gruppo Machine Learning in Photonic Systems presso la DTU Fotonik.

PABLO DENTI



Sede lavoro:	University of Roskilde (Danimarca)
SSD:	03 - Scienze chimiche 04 - Scienze della terra 05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS7 Diagnostic tools, therapies & public health LS8 Evolutionary, population & environmental biology PE4 Physical & Analytical Chemical sciences
Keywords:	targeted analysis, fingerprinting analysis, non-targeted analysis, speciation analysis, metals, metalloids, fire debris, forest fire, forensic analysis, volatile organic compound, VOC, plant, arboriculture, forestry, agriculture

My research has been focused on applying analytical chemistry to the analysis of air, water, soil and sediment contamination and to the forensic analysis of forest fires. I spent a considerable amount of time in teaching and dissemination activities. Now it is time for me to move closer to sustainability challenges at the intersection between arboriculture, forestry and agriculture. For example by developing innovative methods to measure volatile organic compounds (VOCs) released by plants to help farmers and arborist understanding and monitoring plant health and stress. 08/2011 - 12/2011, Research Collaborator at IDPA-CNR in Padova (IT) 04/2014 - 03/2015, Research Assistant at the University of Copenhagen (DK) 05/2016 - 06/2016, Environmental Consultant at MOE (DK) 07/2016 - 01/2020, PhD Fellow at the University of Copenhagen (DK) 02/2020 - now, External Lecturer at Roskilde University (DK)

FILIPPO FENINI



Sede lavoro:	Department of Bio- and Chemical Engineering - Aarhus University (Danimarca)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	energy storage; energy conversion; redox flow batteries; organic redox flow batteries; water electrolysis;

I obtained my education in Italy (B.Sc. at University of Pavia, M.Sc. at Univeristy of Turin) in Chemical Sciences. Following my interest in novel sustainable technologies for the green transition, in 2015 I started my Ph.D. at the Technical University of Denmark in the department of Energy Conversion and Storage, on the topic of novel electrode materials for PEM water electrolyzer. After being awarded my Ph.D. degree, in early 2019 I joined the Department of Engineering at Aarhus University in Denmark as a post-doctoral fellow. Here, I took part in various research projects related to redox flow batteries for large-scale energy storage. My research activity spans from fundamental investigation of novel organic redox species to optimization and deployment of demonstration-scale vanadium-based redox flow batteries.

VALERIA GUERRIERI



Sede lavoro:	Institute of Arctic Studies, University of Copenhagen (Danimarca)
SSD:	14 - Scienze politiche e sociali
ERC:	SH3 Environment & society
Keywords:	Sostenibilitá, artico, energia, industria estrattiva, diritti umani, responsabilità sociale d'impresa, CSR, Canada, geopolitica, ambiente, risorse

Researcher and External Lecturer in Arctic Studies at the University of Copenhagen. Over the last three years, I have conducted extensive research within energy development, human rights and sustainability. As part of my PhD, I have assessed the social and political impacts of different extractive projects in the Canadian Arctic, including a natural gas pipeline. Both through fieldwork in Canada and during my time as a Visiting Fellow at the University of Alberta, I have analysed the position of governments and companies in the area of human rights, and especially indigenous rights. My main research interests lie within: sustainability, human rights, corporate social responsibility (CSR), geopolitics and compliance, especially in the Arctic and Nordic energy and extractive sector. Besides in academia, I have previously worked at international organisations, NGOs, embassies and research institutes both in Italy and abroad. I speak fluent Italian, English and Danish and a bit of Spanish.

PATRIZIO MARIANI



Sede lavoro:	DTU Aqua (Danimarca)
SSD:	04 - Scienze della terra 05 - Scienze biologiche
ERC:	PE10 Earth system science
Keywords:	Ocean technology, ecosystem modelling, integrated ecosystem assessment

Development of models, methods and technologies for the complex ocean system with cross-disciplinary approach. Leader of the Observation Technology research group at DTU Aqua. Course responsible in the master of Aquatic Science and Technology at DTU. Coordinator and president of the EUROMARINE network. Coordinator of H2020

Mission Atlantic https://missionatlantic.eu/ - Ecosystem modeling: Physical-biological coupling and ecology of plankton and fish, physical dispersion, population dynamics, behavioural models and animals' migrations. Ocean technology and automation: Software and sensors development for underwater observation technologies, robotics, adaptive sampling, computer vision, optical and acoustic sensors.



LANFRANCO PELLESI

Sede lavoro: Danish Headache Center (Danimarca)
SSD: 05 - Scienze biologiche
ERC: LS7 Diagnostic tools, therapies & public health

Medical doctor, specialized in Clinical Pharmacology and Toxicology. I dealt with clinical care and research activities on headaches, migraine and addiction disorders.



ALESSANDRA PROCENTESE

Sede lavoro: DTU (Danimarca)

SSD: 03 - Scienze chimiche
ERC: LS9 Applied life sciences & biotechnology
Keywords: Fermentazioni, bioreattori

L´ attivita´ di ricerca della Dottoressa Procentese e´ incentrata sui processi di bioraffineria e i principali risulati ottenuti sono riportati nei 30 articoli scientifici ad oggi pubblicati (di cui 14 come primo autore e 2 come ultimo autore). L´attivita´ puo essere divisa in quattro principali linee di ricerca: i) pretrattamento di biomasse lignocellulosiche; ii) caratterizzazione di bioconversioni enzimatiche iii) caratterizzazione di bioconversioni attraverso batteri anaerobici e lieviti; iv) design di unita´ di bioconversione.



DANILO QUAGLIOTTI

Sede lavoro: Technical University of Denmark (Danimarca)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering

Dr. Danilo Quagliotti has 13+ years' experience in metrology gained initially at INRIM, the Italian National Metrology Institute, and, successively, at the Technical University of Denmark. He is currently researching is in the field of metrology for micro and nano manufacturing, focusing on statistical techniques for uncertainty evaluation and quality assurance.



MATTIA SACCOCCIO

H-Index: 9
Sede lavoro: Technical University of Denmark (Danimarca)
SSD: 02 - Scienze fisiche 03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione

ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	material scientist & energy engineer - catalysis, energy storage & conversion

Born in Tuscany, I grew up in the Italian Alps, a region where Mitteleuropa meets the Mediterranean culture. I obtained my education in engineering by studying 4 years at Politecnico di Milano in Milan, Italy (BSc and MSc) and 4 at Technische Universität München in Munich, Germany (Dipl.-Ing.), specializing in sustainable energy conversion technology. I pursued my PhD at the Hong Kong University of Science and Technology working as a material scientist with Prof. Francesco Ciucci advancing energy storage and conversion technologies. Specifically, I investigated ionic conductors for applications in solid oxide fuel cells (SOFC) and solid state batteries (SSB). Returned to Europe, I worked 18 months as postdoc at HetCatLab, tasked with early-stage R&D in the field of heterogeneous catalysis for BASF. Currently I am a member of Surface Physics & Catalysis (SurfCat) at DTU Physics in Copenhagen, Denmark, where I am researching both the thermal and electrochemical synthesis of ammonia.



FRANCESCO SANNINO

H-Index:	54
Sede lavoro:	Direttore di un centro di eccellenza (Danimarca)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

Francesco Sannino Professor of Theoretical Physics Director of the Centre for Cosmology and Particle Physics Co-Director of the Danish IAS University of Southern Denmark Cell +45 21356088



MATTIA SIRAGUSA

Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Physics, Radiation Biology, Dosimetry, Auger, Monte Carlo, Electron

I have a BSc (University of Milan, IT) and a MSc (University of Pavia, IT) in physics. Currently, I am a PhD candidate in physics at the Center for Nuclear Technologies of the Technical University of Denmark. I work in a highly interdisciplinary laboratory deeply involved in physical and biological dosimetry and low-LET, as well as high-LET, radiation effects on humans. As part of my education, I have also been trained at the department of Molecular Genetics of the Erasmus Medical Center (Rotterdam, NL). Moreover, I have attended many prestigious courses, including the NASA Space Radiation Summer School. During my PhD, I have helped open a window onto the fascinating world of low-energy electron (Auger-cascade) dosimetry, questioning a standard that has been in force since 1969. I am deeply involved in developing scientific software and establishing innovative methods for typical radiobiological problems.



MAURIZIO TELI

Sede lavoro:	Aalborg University (Danimarca)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione 14 - Scienze politiche e sociali
ERC:	PE6 Computer science & informatics

Maurizio Teli (male), Ph.D. Associate Professor in Department of Planning, Aalborg University, Denmark. With a PhD in Sociology and Social Research (University of Trento, Italy), he has been working in interdisciplinary teams for almost 15 years, looking at the social and collaborative aspects of digital technologies, digital commons in particular. He has published at the international level for all his career and he has been involved in many EU projects, beginning with FP6. In particular, he has been Scientific Coordinator of the MIC-My Ideal City project (ga° 230554), a project using digital technologies to open up the curatorial process in science centers, and Research and Innovation Coordinator of the PIE News/Commonfare project (ga° 687922). He recently was General Co-Chair of PDC2018, Participatory Design Conference.



GUIDO TOSELLO

H-Index:	19
Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Mechanical Engineering, Manufacturing Engineering

Guido Tosello, PhD, is Associate Professor at the Technical University of Denmark, Department of Mechanical Engineering, Section of Manufacturing Engineering. He is senior lecturer, research manager, PhD and MSc supervisor, industrial and management consultant. Guido's principal research interests are: Industry 4.0, digital manufacturing technologies, additive/micro/nano manufacturing, polymer injection moulding, precision engineering, statistical process quality control, measurement science and technology/metrology, design of experiments, tooling technologies. He is an Associate Member of International Academy for Production Engineering (CIRP), and Member of the Society of Plastics Engineers (SPE), European Society for Precision Engineering and Nano Technology (euspen), 4M Association (Multi-Material Micro Manufacturing), Polymer Processing Society (PPS), Danish Society for Production Engineering (ATV-SEMAPP) and the ATV-SEMAPP board for Plastic Technologies.



CRISTIANO VARRONE

H-Index:	13
Sede lavoro:	Aalborg University (Danimarca)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Bioraffinerie, biocarburanti, bioplastiche, biotecnologie, fermentazione, bioprocess engineering, ecologia microbica

After obtaining my M.Sc, I joined ENEA in 2004 to investigate the biohydrogen production through microbial processes. From 2009 to 2011 I was awarded the FP7 EU S&T Fellowship China, an individual fellowship that allowed me to develop my own project about glycerol biorefinery. I further proposed my own PhD project within this field and secured the necessary funding to finish the PhD while keep working in Italy and then Denmark. I also filed for a patent about the Biological Conversion of Crude Glycerol into Hydrogen and Ethanol. I was Scientific Coordinator of a 3-year project under the China-Italy bilateral agreement (2013-2015) and member of the Scientific Advisory Board of an FP7 KBBE Cooperation project about Glycerol Biorefinery (GRAIL). I was the promoter and co-coordinator of the project proposal. After my postdocs in Fermentation Technology and Bioprocess Engineering both at the Aalborg University and DTU I obtained a position as associate professor at AAU in Copenhagen.



LUCA VEZZARO

H-Index:	10
Sede lavoro:	Technical University of Denmark (Danimarca)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering PE10 Earth system science
Keywords:	Modelli matematici, Sistemi di drenaggio urbano, Smart Grid, Incertezze

Ricercatore impegnato nello sviluppo di modelli matematici per la simulazione della qualità delle acque nel ciclo idrico integrato in ambito urbano (sistemi di fognatura separata e mista, impianti di depurazioni, impatti sui corpi idrici naturali) e nel controllo in tempo reale di tali infrastrutture. Esperto nel campo di (a) modellizzazione dei microinquinanti in sistemi fognari (b) sviluppo ed applicazione di sistemi di controllo integrato (fognatura e impianto di depurazione) con funzioni multi obiettivo (riduzione dei carichi inquinanti, ottimizzazione del consumo energetico in smart grid), (c) utilizzo di sensori per il monitoraggio di dati di qualità delle acque in tempo reale, (d) sviluppo ed applicazione di metodi matematici per la stima delle incertezze in modelli matematici. Ampia esperienza in progetti di ricerca in connessione tra mondo accademico, industria, e istituzioni pubbliche.



Technical University of Denmark (photo Vibeke Hempler)

ECUADOR



ALBERTO BUSTILLOS

H-Index:	4
Sede lavoro:	UTA (Ecuador)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology

After graduating in Biochemistry Alberto, went on to do his Ph.D. (2013-2017) in the laboratory of Dr Albert Jordan Dept. Genetics and Epigenetics, Universidad de Barcelona. He got a position to start an independent group at Universidad Técnica de Ambato - Ecuador.



CELIA MARGARITA MAYACELA

Sede lavoro:	UNIVERSIDAD TECNICA DE AMBATO (Ecuador)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Decontaminazione, pratiche ambientali, risorse naturali, bonifiche ambientali e tecnologie pulite.

Celia M. MAYACELA was born in Riobamba, Ecuador, in 1989. She graduated in Environmental Engineering from the National University of Chimborazo in Riobamba, Ecuador, in 2013. She completed a PhD in “Industrial Civil Engineering”. School of the University of Calabria, Cosenza, Italy, since 2015. Her current research interests include decontamination, environmental practices, natural resources, environmental remediation, and clean technologies.



MAURIZIO MULAS

H-Index:	5
Sede lavoro:	Escuela Superior Politécnica Del Litoral (ESPOL) (Ecuador)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	vulcanologia

Ho conseguito la Laurea Magistrale in Scienze Geologiche con la tesi dal titolo: “L'eruzione dei Monti Rossi del 1669 (Etna - Italia)”. Per due anni ha lavorato presso l'Istituto Nazionale di Geofisica e Vulcanologia (INGV) di Pisa nel progetto SPEED (Scenari di Pericolo del Vesuvio e Campi Flegrei). Nel 2013 ha conseguito il dottorato di ricerca in Scienze della Terra con la tesi intitolata: “Processi di deposizione e saldatura in ignimbriti a basso allungamento: esempi dal Distretto Vulcanico del Sulcis (Sardegna, Italia)” (Tutor Prof. Raffaelo Cioni). Ho scolto il crso di specializzazione "VULCAMED" presso INGV di Napoli sul monitoraggio geofisico e vulcanico. Nel 2015 ho partecipato al processo Prometeo presso l'Università Statale di Guayaquil (Ecuador) e attualmente lavoro come professore titolare presso la Facoltà di Ingegneria in Scienze della Terra (FICT-ESPOL) sempre di Guayaquil in Ecuador. I miei studi si concentrano su rischio geologico e particolarmente nel vulcanico.

EGITTO



RAHMA SHARAWY

Sede lavoro:	Docente universitaria (Egitto)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production
Keywords:	linguistica - lingue straniere - lingua e cultura italiana- apprendimento delle L2- cultura italiana

Sono docente universitaria di linguistica italiana. Ho composto due dizionari bilingue (italiano-arabo) per poter facilitare l'apprendimento della lingua italiana in Egitto. Ho tradotto alcune opere letterarie dall'italiano all'arabo. Ho pubblicato alcuni articoli scientifici in reviste internazionali. Sono stata in Italia 2018 per fare l'esame del certificato C2.

Cairo University

EMIRATI ARABI UNITI



MARIAPAOLA BARBATO

H-Index:	11
Sede lavoro:	Zayed University (Emirati Arabi Uniti)
SSD:	06 - Scienze mediche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders

Education: Hotchkiss Brain Institute - University of Calgary (Canada) 2011-2015 Postdoctoral Fellow “Sapienza” - University of Rome (Italy) 2007-2011 PhD in Cognitive Psychology, Psychophysiology & Personality Final Dissertation: “Orienting in 3D space: Perceptual and Attentional Aspects” National University of Singapore (Singapore) 2009-2010 Visiting PhD student “Sapienza” - University of Rome (Italy) 2004-2007 MSc in “Diagnosis and Rehabilitation of Cognitive Disorders”- Faculty of Psychology Graduated with Full Grades: 110/110 cum laude University of Padua (Italy) 2001-2004 Bachelor of Arts in “Psychological, Cognitive and Psychobiological Sciences”- Faculty of Psychology https://www.researchgate.net/profile/Mariapaola-Barbato



IVAN CAMPONOGARA

Sede lavoro:	New York University Abu Dhabi (Emirati Arabi Uniti)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders

I'm a researcher interested in multisensory-motor integration.



PAOLO CARATELLI

H-Index:	2
Sede lavoro:	Abu Dhabi University (Emirati Arabi Uniti)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society PE8 Products & process engineering
Keywords:	progettazione architettonica, progettazione urbana, habitats in ambienti estremi, sostenibilita' architettonica e urbana

Paolo Caratelli is a Registered Architect in Italy since 2000 (OAPPC, Florence Chapter, Reg. No. 5502), and currently full-time faculty as Associate Professor of Architecture at Abu Dhabi University since 2011. He holds a Diploma in Visual Arts and Architecture from the Fine Arts High School in Florence, a M.Arch. with Honors (1998) and a Ph.D in Architectural and Urban Design (2007) from the University of Florence, Italy. Paolo is an active researcher on architectural and urban sustainability theory and practice, modern heritage conservation, and investigator about social and cultural changes in architectural design, with several publications in International peer-reviewed journals and conference proceedings, serving also as Guest Editor and reviewer for SCOPUS scientific journals and International publishers.



ANNARITA CORNARO

Sede lavoro: American University in Dubai (Emirati Arabi Uniti)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH3 Environment & society SH5 Cultures & cultural production

Ph. in Theory of the Design Project, she is currently Chair of the Department of Architecture and Associate Professor at the American University in Dubai (AUD). Associate Editor Middle East of the Architecture International Magazine Compasses. Associate Principal in the international awarded architecture office COdESIGN. She presented papers at international conferences on innovation in the pedagogy of architecture. She researches the integration of the learning by doing methods in Courses of Theory and History of Architecture, and the use of mobile applications and new social media platforms in the design process. Author of articles and papers in conference proceedings, journals, and specialized magazines on urban space, urban microsystems, exhibit design, spaces for mental disease, and heritage. She is a member of many scientific committees. Many of her projects have been published, awarded and exhibited all over the world (Rome, Dubai, Beijing, Hanoi).



ERNESTO DAMIANI

H-Index: 36
Sede lavoro: Khalifa University, Abu Dhabi (Emirati Arabi Uniti)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE6 Computer science & informatics
Keywords: Computer Science, Artificial Intelligence, Machine Learning, Cyber-Physical Systems

Ernesto Damiani is Full Professor at Università degli Studi di Milano, Senior Director of Robotics and Intelligent Systems Institute and Director of Center for Cyber Physical Systems (C2PS) within the Khalifa University, leader of the Big Data area at Etisalat British Telecom Innovation Center, and President of the Consortium of Italian Computer Science Universities (CINI). He is also part of the ENISA Ad-Hoc Working Group on Artificial Intelligence Cybersecurity, where he serves as Rapporteur. His areas of interest include cyber-physical systems, Big Data Analytics, Edge/Cloud security and performance, Artificial Intelligence, and Machine Learning. Ernesto has pioneered model-driven data analytics. Ernesto has been a recipient of the Stephen Yau Award from the Service Society, of the Outstanding contributions Award from IFIP TC2, of the Chester-Sall Award from IEEE IES, and of a doctorate honoris causa from INSA – Lyon (France) for his contribution to Big Data teaching and research.



RINO ESPOSITO

H-Index: 40
Sede lavoro: NYUAD (Emirati Arabi Uniti)
SSD: 03 - Scienze chimiche 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry PE4 Physical & Analytical Chemical sciences
Keywords: NMR spectroscopy, Protein NMR, Amyloid Proteins

Gennaro Esposito (noto anche come Rino) è nato nel 1953 a Napoli dove ha compiuto gli studi universitari e conseguito la Laurea in Chimica con lode nel 1979. Dal 1980 al 1982 è stato docente di chimica in scuole secondarie superiori. Dal settembre 1982 al gennaio 1990 è stato ricercatore presso il laboratorio NMR in società di ricerca del gruppo ENI (Assoreni, Eniricerche, Monterotondo, Roma). Nel febbraio 1990 si è trasferito all'Università di Udine, prima come

ricercatore di biofisica e, dal settembre 2000 all'agosto 2018, come professore associato di Fisica Applicata. Da settembre 2018 si è trasferito alla NYUAD, nell'attuale posizione di Visiting Professor of Chemistry. Rino Esposito ha svolto attività di ricerca scientifica in molti laboratori universitari esteri come Research Assistant (Oxford, London, Lausanne) o Visiting Professor (Grenoble, Osaka, Abu Dhabi). Rino Esposito è tuttora attivo nel campo della spettroscopia NMR e della biofisica di proteine e altri biopolimeri.



ELENA FANTINO

H-Index:	11
Sede lavoro:	Khalifa University of Science and Technology (Emirati Arabi Uniti)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Impianti e tecnologie spaziali, dinamica di satelliti

Dr. Elena Fantino is an Assistant Professor in the Department of Aerospace Engineering of Khalifa University of Science and Technology. She received her Ph.D. in Space Sciences and Technologies from the University of Padua, Italy. Her research interests are in the field of spacecraft trajectory design and propagation, mission analysis, space environment, space geodesy and planetary exploration. Dr. Fantino has participated in mission activities of the Italian Space Agency and the European Space Agency in the areas of space astrometry, geodesy, astrophysics and the robotic exploration of Mars.



LAURA MANENTI

H-Index:	17
Sede lavoro:	Fisica (Emirati Arabi Uniti)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

NYUAD - Postdoc (2018-now) UCL - Postdoc (2016-2018) UCL - PhD (2012-2016)



ROBERTO PETROSINO

H-Index:	0
Sede lavoro:	New York University Abu Dhabi (Emirati Arabi Uniti)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	linguistica, psicologia cognitiva, scienze cognitive

I am a post-doctoral researcher at New York University Abu Dhabi, where I am the principal investigator of two main strands of research (in collaboration with a number of cognitive psychologists, computationalists, and linguists). One strand of research involves the exploration of innovative (as well as reliable) methodologies for data collection (online) and statistical analyses (regression) . Another strand of research involves the identification of the mechanisms underlying word recognition in both auditory and visual modalities. As such, my research interests, skills, and expertise fit well with the scope of data science, at both the macroscopic and microscopic levels: predictive and statistical modeling, language recognition, and artificial intelligence.



CLAUDIO TORTORICI

H-Index:	5
Sede lavoro:	Technology Innovation Institute (Emirati Arabi Uniti)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Artificial Intelligence, Computer Vision, Robotics

I am a highly qualified Italian Software and Computer Engineer, specialized Artificial Intelligence and Computer Vision, with a solid list of publications. I pursued my PhD as a memeber of the KU Center for Autonomous Robotic Systems (KUCARS) and the Visual Signal Analysis and Processing (VSAP). Currently I am a Senior Researcher at the Technology Innovation Institute in Abu Dhabi, leading a project on autonomous UAV flight in GPS denied environment

جامعة نيويورك أبوظبي
NYU ABU DHABI

ESTONIA



FRANCESCA CARNOVALE

Sede lavoro:	Department of Nutrition, Animal Welfare Estonian University of Life Sciences (Estonia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Animal Welfare

Sono uno studente di dottorato in benessere degli animali in Università estone di scienze della vita, Ho concluso il Master in Scienze e Tecnologie delle Produzioni Animali Dipartimento di Medicina Veterinaria e Produzioni Animali della Federico II di Napoli. I miei interessi di ricerca si concentrano sul benessere degli animali, sui comportamenti degli animali, sull'etologia e sui diritti degli animali, sulla fisiologia degli animali da allevamento, sui piccoli ruminanti, sui rischi per la salute umana e animale e sull'ambiente, con particolare attenzione all'accumulo nel bestiame, soprattutto durante il trasporto.



GIOVANNI MARCONE

Sede lavoro:	Chair of animal nutrition, Institute of Veterinary Medicine and Animal Sciences (Estonia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Animal Welfare, Animal behaviour

2018-Present: PhD student at Chair of animal nutrition Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences 2018: Qualified as a Doctor of Agronomy and Forestry, Università degli Studi di Napoli Federico II 2017: Master Degree Agricultural Science and Technologies, Università degli Studi di Napoli Federico II 2017: Erasmus student at Faculty of Natural Sciences and Agricultural Sciences Universitatea „Ovidius” din Constanța 2015: Bachelor's Degree in Agricultural Sciences and Technologies, Università degli Studi di Napoli Federico II

Eesti Maaülikool
EMÜ Estonian University of Life Sciences

FEDERAZIONE RUSSA

ALDO BISCHI



H-Index:	11
Sede lavoro:	Skolkovo Institute of Science and Technology (Skoltech) (Federazione Russa)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering PE8 Products & process engineering
Keywords:	Multi-energy systems, Electricity, Heat, Gas, Energy storage, Energy Markets, Optimization, Blockchain, Chemical reactors, Flow battery

M.Sc Mechanical Engineering (2007), University of Perugia (Italy). Ph.D. Energy and Process Engineering (2012), NTNU (Norway) experimental work on chemical reactor systems applied to Carbon Capture and Storage (CCS). Adjunct professorship & post-doctoral position (2012-2015), Politecnico di Milano (Italy), awarded of “Polimi International Fellowships” , work on Combined Cooling, Heat and Power (CCHP). Assistant Professor (2016-2021), part-time since 2018, Associate since 2021, Skoltech (Russia), energy systems flexibilization, joint project with MIT (USA). Postdoctoral researcher (since 2018), University of Pisa (Italy), P2P markets and blockchain. Italian start-up co-founder, TIFEO srl, awarded H2020 RIA grant: “Next renewable multi-generation technology enabled by two-phase fluids machines”. Scientific production: 35+ peer-reviewed publications, 500+ citations, H-index 10+. Italian Ministry habilitation as Associate Professor for thermal machines and energy systems.

ENRICO BRUGNOLI



Sede lavoro:	Ambasciata d'Italia a Mosca (Federazione Russa)
SSD:	04 - Scienze della terra 05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS8 Evolutionary, population & environmental biology

Addetto Scientifico presso l'Ambasciata d'Italia a Mosca. Ricercatore CNR, attualmente DIrigente di Ricerca, è stato direttore dell'Istituto di Biologia Agro Ambientale e Forestale fino al 2012. Dal 2011 fino al 2017 è stato Direttore del Dipartimento Scienze del Sistema Terra e Tecnologie per l'Ambiente del Consiglio Nazionale delle Ricerche

STEFANO MARIA CAPILUPI



Sede lavoro:	Accademia Russa Cristiana di Scienze Umanistiche (Federazione Russa)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH6 The study of the human past

Autore di circa 60 pubblicazioni, tra cui ricerche scientifiche e alcune opere poetiche. Dopo essersi laureato all’Università di Roma “La Sapienza” nel 1999 con una tesi sulla storia dei rapporti fra la Compagnia di Gesù e l’Impero Russo, ho ottenuto due PhD internazionali in Filosofia e in Russistica. Professore Associato presso l’Accademia Russa Cristiana di Scienze Umanistiche, Visiting Professor presso il Politecnico Statale di Pietro I (Russia), Cultore della Materia presso la Cattedra di Filosofia Politica della Sapienza di Roma. Autore di monografie in russo - L’ottimismo tragico del cristianesimo e il problema della salvezza: F. M. Dostoevskij (2013) e La ‘Provvidenza’ e la ‘Catastrofe’ nel romanzo europeo: Manzoni e Dostoevskij (2019) -, e di articoli e saggi in russo, italiano e inglese di carattere storico-filosofico, sulla storia della Russia e su autori, oltre a Dostoevskij, quali Berdjaev, Pasternak, Merežkovskij, Puškin, Danilevskij, Saltykov-Ščedrin, etc. etc.



MARIO DE MARTINO

Sede lavoro:	ricercatore (Federazione Russa)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production
Keywords:	studi europei

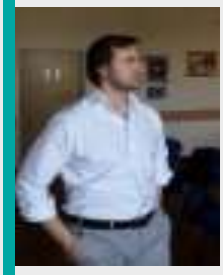
Mario De Martino has earned a PhD in Comparative Politics from the Peoples' Friendship University of Russia (RUDN University), a post-graduate master in European Interdisciplinary Studies from the College of Europe (Natolin campus) and a Master degree in International Studies from the University of Siena. He is a researcher at the Faculty of Economics of the Peoples' Friendship University of Russia. His main research interests focus on European studies and education policy.



LUCA GELSOMINI

Sede lavoro:	National Research University Higher School of Economics (Federazior Russa)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets

MAIN CURRENT APPOINTMENTS 2020-present Vice-President, Associazione dei Docenti e Ricercatori Italiani in Russia 2015-present ICEF Ast Professor of Finance, National Research University Higher School of Economics (Moscow)



DANIELE LANZA

Sede lavoro:	Università di stato di Astrakhan (Federazione Russa)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	Unione Sovietica, XX° secolo, impero russo, Germania orientale, blocco socialista, Jugoslavia, nazionalsocialismo, marxismo-leninismo

Dopo una laurea presso la facoltà di scienze politiche dell'università degli studi di Torino mi iscrivo a un master di II° livello in scienze internazionali focalizzato sulla globalizzazione : a seguito di questo ho deciso di proseguire un percorso di ricerca e carriera accademica all'estero, optando per la federazione russa come meta. Seguo e concludo un corso di studi dottorali in storia della cultura con tesi finale in storia moderna ("forme di patriottismo e identità nazionale in Urss (1917-1991)") presso l'università HERZEN in San Pietroburgo, lavorando parallelamente in veste di insegnante di lingua e cultura italiana presso differenti istituti universitari della città per svariati anni. Da oltre un anno sono inquadrato stabilmente come professore associato presso la facoltà di lingue straniere dell'università statale di Astrakhan alla cattedra di filologia romanza. I miei interessi professionali spaziano dalla storia della politica a quella della cultura e della società.



EMILIANO METTINI

Sede lavoro:	Pirogov Medical Research University (Federazione Russa)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	Makarenko, Kant, storia della pedagogia, filosofia dell'educazione

Emiliano Mettini, Master of Philosophy. State University of Pisa (Italy) PhD in Pedagogics Honors: Deputy of the president of the International Makarenko Association. Winner of third price in nomination “Best scientific - researching work” of RNRMU “N.I. Pirogov” for Italian capriccio on different topics (collection of essays). Current activity: Head of Department of Humanities of International medical faculty (Russian National Medical Research University “N.I. Pirogov”, Moscow). Teaching experience: Teacher of philosophy of department of International Medical School of Russian National Medical Research University “N.I. Pirogov”.



VALENTINI RICCARDO

H-Index:	70
Sede lavoro:	RUDN (Federazione Russa)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology

Degree in Physics with score of 110/110 points at the University of Rome “La Sapienza” in 1985. In 1987 he became researcher at the University of Tuscia, Faculty of Agriculture. He spent one year in Stanford at Carnegie Institution of Washington. He was involved in negotiations for the Kyoto Protocol and the United Nations Framework Convention on Climate Change (UNFCCC). Professor at Tymiriazev Academy, Moscow State Agricolture University Russia. He obtained an ERC (European Research Council) Senior Advanced Grant concerning the role of African tropical forests in the global greenhouse gas balance. He coordinated the IPCC. He is also appointed as coordinator of the Megagrant n.221 of the Russian Ministry of Science and Technology leading a group of about 40 scientists at the Russian State Agriculture University in Moscow. Currently he is also strategic manager of the CMCC. He published more than 200 papers in international peer-review journals, with 19914 citations.



GIOVANNI SAVINO

Sede lavoro:	The Russian Presidential Academy of National Economy and Public Administration (Federazione Russa)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Storia russa, Nazioni, nazionalismi, cultural studies

Giovanni Savino è Senior lecturer presso l’Istituto di scienze sociali dell’Accademia presidenziale russa dell’economia pubblica e del servizio pubblico a Mosca e professore associato presso l’Istituto di lingue straniere dell’Università pedagogica della città di Mosca. Insegna Storia contemporanea e Storia delle idee politiche (Great books and ideas) per il corso di studio quadriennale in Global governance and leadership presso l’Istituto di scienze sociali dell’Accademia presidenziale russa dell’economia pubblica e del servizio pubblico, e Storia e società dell’Italia per il corso quadriennale di Italianistica e Storia dell’Europa contemporanea per il corso magistrale di Filologia romanza presso l’Istituto di lingue straniere dell’Università pedagogica della città di Mosca.



ALBERTO SILLITTI

H-Index:	32
Sede lavoro:	Innopolis University (Federazione Russa)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

Alberto Sillitti, Ph.D., PEng is Full Professor at the Faculty of Computer Science and Engineering of the Innopolis University (Russian Federation) where he leads the Cyber-Physical Systems Lab. He has covered different roles in the faculty such as Director of the Institute of Secure and Cyber-Physical Systems and associate dean for consulting activities. He holds a PhD in Electrical and Computer Engineering received from the University of Genoa (Italy) in 2005. He has been involved in several EU funded projects related to Open Source Software, Services Architectures, and Agile Methods in which he applies non-invasive measurement approaches. He has served as member of the program committee of several international conferences, as program chair of OSS (2007 and 2019), XP (2010 and 2011), SEDA (2012, 2013, and 2014), and general chair of SEDA 2018 and OSS 2020. He is author of more than 200 papers published in international conferences and journals.



ALDO SPALLONE

H-Index:	24
Sede lavoro:	RUDN people's friendship University of Moscow (Federazione Russa)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscienze clinco-sperimentali. Ictus. Tumori cerebrali. Traumi spinali

Professore di Neurochiruriga presso la RUDN di Mosca. Professor Turris Vergatae presso il Dipartimento di chirurgia dell'Universita' Tor Vergata di Roma. Titolare dell'insegnamento di Neurochirurgia dell'Universita' "Nostra Signora del Buonconsiglio" di Tirana, Albania, negli anni 2013-2017. Ha lavorato in diversi paesi con incarichi subapicali (UK, USA) ed apicali (Russia, Cuba, Albania), parla correntemente 4 lingue (italiano, russo, inglese, spagnolo) e bene il francese. Ha una casistica personale di oltre 4500 intervemti neurochirurgici E' autore di oltre 150 pubblicazioni in gran parte su riviste indexate su Scopus. E' stato relatore ad oltre 90 congressi

FINLANDIA



FAUSTO BIANCARI

H-Index:	38
Sede lavoro:	Universitá di Oulu (Finlandia)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Chirurgia cardiaca, cardiochirurgia, chirurgia

FULL NAME: BIANCARI, Fausto DATE AND PLACE OF BIRTH: September 10, 1968, Rome, Italy ADDRESS: Itäinen rantakatu 75 D 144, 20810 Turku, Finland Email: faustobiancari@yahoo.it Phone: +358 40 7333 973 CURRENT POSITIONS Full Professor of Surgery, University of Turku, Finland (from August 2017); Full Professor of Cardiothoracic Surgery, University of Oulu; Finland (from February 2015); Senior Cardiothoracic Surgeon, Turku University Hospital, Finland (from August 2017). EDUCATION AND TRAINING Licentiate of Medicine,University of Rome La Sapienza, Italy: 1993 PhD, University of Helsinki, Finland: 2000 Specialist in General Surgery, University of Rome La Sapienza, Italy: 2000 Specialist in Cardiothoracic Surgery, University of Oulu, Finland: 2004



PIERLUCA BIRINDELLI

Sede lavoro:	University of Helsinki (Finlandia)
SSD:	14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production

Pierluca Birindelli (Marie Skłodowska-Curie Fellow) is a researcher at the University of Helsinki – research project: “The Cultural Experience of International Students: Narratives from North and South Europe”. Birindelli earned his PhD in Sociology at the University of Florence and has been a PhD Visiting Fellow at the University of Texas at Austin and at Institut d’Etudes Politiques (Université de Paris). In 2010, he was awarded the qualification of Researcher in Sociology and Cultural Anthropology by CNR, the Italian National Research Council and in 2013 became Docent in Sociology at the University of Helsinki. Birindelli taught sociology in several academic institutions: University of Florence, Georgetown University, Gonzaga University, International Studies Institute, Kent State University. Within the European Sociological Association he is member of the research networks: “Global, Transnational and Cosmopolitan Sociology” (board).



GIOVANNI CANARECCI

Sede lavoro:	University of Helsinki (Finlandia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations PE6 Computer science & informatics
Keywords:	Matematica, Geometria differenziale, Geometria non-Euclidea, Gruppo di Heisenberg, Programmazione backend, Data science

Giovanni Canarecci graduated in Mathematics from the University of Bologna (BSc in 2012, MSc cum laude in 2014) and studied a semester at the University of Arkansas (2014) sponsored by the “Excellence in Complex Analysis and Partial Differential Equations Mobility” programme. He started his PhD in Mathematics at the University of Helsinki within the Marie Curie “Metric Analysis in Emerging Technology” network and he obtained his Licentiate degree in 2018. He is finalising his third research article and his PhD thesis about the Rumin Cohomology, orientability issues and the compactness theorem for currents in the Heisenberg Group. Starting Fall 2019, he has been working as a mathematician,

software developer, data scientist and scrum master for Vediafi Oy, a Helsinki based company focused on optimisation and CO2 reduction in transportation supply chains.



VICTOR CASULA

Sede lavoro:	University of Oulu (Finlandia)
SSD:	02 - Scienze fisiche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Medical Physics, Magnetic Resonance Imaging, Cartilage, Osteoarthritis

Current research interests: MRI of cartilage; Previous research interests: Radiation Fluoroscopic exposure; Active Galactic Nuclei; Near Earth Asteroids. EDUCATION PhD (Medical Physics), University of Oulu (2016) Medical Physics Specialist, UCSC University of Rome (2015) MSc (Physics), University of Rome "Tor Vergata" (2008) MOST RELEVANT WORK EXPERIENCE Researcher at University of Oulu (2012-present). Researcher at St.Jude Medical, Milan, University USC of Rome and IRCCS cardiology center of Milan in the project "Near-zero fluoroscopic exposure during catheter ablation of supraventricular arrhythmias in young patients" (2011-2013). Researcher assistant at INFN in the project "Active Galactic Nuclei research" (2008). Astronomer at INAF-Astronomical Observatory of Rome in the project "CINEOS" (2003 – 2006). TEACHING EXPERIENCE AND ACADEMIC MERITS: Reviewer in scientific journals and supervision of Doctoral and Master theses. Physics and Maths Teacher (2010-2011).



VINCENZO CERULLO

H-Index:	29
Sede lavoro:	Professore ordinario in Biological drug Development (Finlandia)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Cancer, cancer immunotherapy, cancer vaccines, oncolytic vaccines

I got my PhD at University of Naples Federico II in 2004, then I moved to Houston Texas for a postdoc at Baylor College of Medicine. In 2009 I moved to University of Helsinki where I worked as senior researcher until 2012, then I was awarded the tenure-track professorship and started the ImmunoViroTherapy Lab. In these years I have raised more than 5 million Euros for research, including the prestigious ERC Consolidator Grant, HiLIFE fellow and Jane and Aatos Erkko Foundation grant. The group has produced tens of scientific papers and patents and has co-founded a multimillion spin-off company together with the University of Helsinki (VALO therapeutics). I have been awarded the Outstading Young Investigator award in 2014 by the European Society of Gene and cell Therapy and the Excellence in Research award by the American Society of Gene and Cell Therapy in 2015. The latest ranking from Expertscape has ranked me in my field N°13 worldwide, N°4th in Europe and N°1 in Finland.



DALIA D'AMATO

H-Index:	9
Sede lavoro:	University of Helsinki (Finlandia)
SSD:	05 - Scienze biologiche 13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH3 Environment & society
Keywords:	SUstainability

I am an Adjunct Professor at the University of Helsinki. My main research interests regard the synthesis and integration of sustainability framings and concepts, such as those of green, circular and bioeconomy to inform the further development of sustainability transformations within strong sustainability. Before completing my PhD studies in Forest Economics and Marketing at the University of Helsinki (2013-2016), I worked as a researcher and as a trainee at the Finnish Environmental Institute (SYKE) in Finland and at the Institute of European Environmental Policy (IEEP) in Belgium (2012-2013). I have two MSc degrees achieved in the field of Ecology from the University of Sussex (UK) and the University of Roma Tre (Italy).

CATALDO DE BLASIO



H-Index:	6
Sede lavoro:	Åbo Akademi (Finlandia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Chemical Kinetics and Catalysis, Mass and Heat Transfer, Chemical Reaction Engineering, Energy Conversion processes and Mathematical Modelling.

I was born the 27/04/1977 in Switzerland where my parents moved from the South Italy for work reasons. Today, I am in Finland, where I live with my wife and two lovely children. After my Master's Degree in Chemical Engineering from University of Salerno. In 2006, I moved to Finland, where in 2010, I received my PhD in Chemical Engineering at Åbo Akademi University. In 2011, I started to work as Postdoc Researcher at Aalto University where, in 2015, I advanced as Research Fellow. From December 2014, I am Adjunct Professor in Process Design with Environmental Engineering Applications at the Laboratory of Process Design and Systems Engineering at Åbo Akademi University. I am now Assistant Professor at the same faculty. I have long experience in teaching at university and in scientific research. During these years, I have published more than 50 scientific papers among scientific journals, conference papers, book chapters and patent applications and in different fields of science.

MASSIMO FICHERA



Sede lavoro:	Academy of Finland Research Fellow; Adjunct Professor in EU Law (Finlandia)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Diritto dell'Unione Europea, diritto costituzionale, filosofia del diritto, diritto internazionale, diritti umani

Massimo Fichera is Academy of Finland Research Fellow and Adjunct Professor in EU Law at the Faculty of Law, University of Helsinki. He was previously, in the same University, Lecturer in European Studies at the Network for European Studies, and Post-Doctoral Fellow at the Faculty of Law, University of Helsinki. His interests lie in constitutional theory and European Union/International Law broadly conceived. Before joining the University of Helsinki, he completed his PhD at the University of Edinburgh and carried out research during his internships in international organisations, including the European Commission and the United Nations. He holds a degree in Law (University of Messina) and a Master in International Affairs (ISPI, Milan) and qualified as Avvocato in Italy.



ANDREA GENTILI

Sede lavoro:	VTT Technical Research Centre of Finland Ltd (Finlandia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics PE7 Systems & communication engineering
Keywords:	Wireless Networks, 5G, LTE, Wi-Fi 6, 6G, O-RAN,

My work experience covers different electrical and telecommunication engineering spectrum areas. At VTT Technical Research Centre of Finland, I am involved in different projects which permit me to collaborate with important Finnish partners and European research institutes. My principal tasks span from the collection of requirements to the final practical proof of concept in the laboratory. Through the use of state of the art networking devices (e.g., 5G phones/routers and new Wi-Fi generation devices) I constantly implement testbeds to create smart wireless architecture solutions to enable smooth and low-latency video and data transmissions.



IOLANDA IALONGO

H-Index:	11
Sede lavoro:	Finnish Meteorological Institute (Finlandia)
SSD:	02 - Scienze fisiche
ERC:	PE10 Earth system science
Keywords:	remote sensing, air pollution, greenhouse-gases, satellite

Dr. Iolanda Ialongo is a senior researcher in the Atmospheric Remote Sensing group at the Finnish Meteorological Institute (FMI), where she works with satellite-based observations of air pollutants and green-house-gases derived from the OMI (Ozone Monitoring Instrument) and TROPOMI (TROPOspheric Monitoring Instrument) as well as other instruments. Dr Ialongo's research focuses on advancing the use of satellite data across various scientific disciplines to develop novel ways of supporting socio-economic studies, sustainable development and policy making through space-based air pollution monitoring. She was recipient of research funding from the European Space Agency, the Academy of Finland and the European Union.



ALESSANDRO MANCUSO

Sede lavoro:	Aalto University (Finlandia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Risk Analysis, Reliability, Safety

Double doctoral candidate at Aalto University (Department of Mathematics and Systems Analysis) and at Politecnico di Milano (Department of Energy). My research interests include the development and application of probabilistic methods for the assessment of risk and safety in complex technological systems.



FRANCESCO MATTIA NOÉ

H-Index:	15
Sede lavoro:	University of Eastern Finland (Finlandia)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders LS6 Immunity & infection
Keywords:	neuroscience; meningeal lymphatic system; neuroimmunology; neurodegenerative diseases; epilepsy; traumatic brain injury

Name: Francesco Mattia Surname: Noé mail: francesco.noe@uef.fi; franznoe@gmail.com phone: +358 469022902 / +39 328 7415306 Junior Group Leader, Neuro-Lymphatic Group, A.I. Virtanen Institute for Molecular Science, UEF; Kuopio (FIN) - 2015-2017, post-Doc Scientist, Epilepsy Group, A.I. Virtanen Institute for Molecular Science, UEF; Kuopio (FIN) - 2012-2015, post-Doc Scientist, SOSD Neurophysiology ed Experimental Epilettology, Fondazione IRCCS Istituto Neurologico "Carlo Besta", Milano, ITA - 2010-2012, post-Doc Researcher, Laboratory of Biology of Neurodegenerative Diseases, IRFMN, Milano, ITA - 2004-2012, Researcher, Laboratory of Experimental Neurology, IRFMN, Milano, ITA - 2001-2003 Undergraduate Researcher, Laboratory of Experimental Immunology, DIBIT– HSR, Milano, ITA Author and Co-author of 20 peer reviewed papers published on international peer-reviewed journals, and of 2 book chapters.



ALBERTO PESSIA

Sede lavoro:	University of Helsinki (Finlandia)
SSD:	13 - Scienze economiche e statistiche
ERC:	LS9 Applied life sciences & biotechnology PE1 Mathematical foundations PE6 Computer science & informatics
Keywords:	Bayesian inference, Unsupervised Machine Learning, Computational Statistics, Metabolomics, Lipidomics, Drug combination, Cluster Analysis

I'm a senior statistician at Bayer, currently working on design and analysis of clinical trials. I worked as a postdoctoral researcher at the Faculty of Medicine of the University of Helsinki, researching drug combination and bioassays statistical models. I obtained my master's degree in Statistics at Sapienza University of Rome in 2010 and moved to Helsinki in 2011. I received my PhD in Statistics from the University of Helsinki in 2017 and joined the Network Pharmacology for Precision Medicine group at the beginning of 2018. During the years 2016-2017 I was the principal biostatistician/bioinformatician at the FIMM Metabolomics Unit. Research interests: Drug Combination Data Analysis, Metabolomics Data Analysis, Computational Statistics, Bayesian Inference, Unsupervised Machine Learning.



PIERO POLLESELLO

H-Index:	50
Sede lavoro:	ORION PHARMA (Finlandia)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	inotropi, levosimendan, scompenso cardiaco acuto, struttura molecolare troponina C

PhD (biochemistry), research scientist and teacher at the Universities of Trieste (Italy) and Helsinki (Finland), senior lecturer (Adjunct Professor, Medical Chemistry). Past Head of the cardiovascular drug discovery research at Orion Pharma (Finland). Specialized in Cardiovascular Pharmacology. Published 123 PubMed-listed papers (7300 citations, h-

index=50, g-index=82). Co-inventor in 10 international patents. In the Editorial Board of JCVP from 2005. Fellow of the ESC (FESC) and the HFA (FHFA). He obtained an Industrial Diploma in “Medical Business Strategy” at the International Management Institute SIMI in Copenhagen. Currently at Orion Pharma Critical Care. Organized >45 international events. Knight of the Star of Italy, in 2006 (by the President of the Italian Republic, On. G.Napolitano); Knight (I grade) of the Lion of Finland, in 2011 (by the President of the Finnish Republic, On. T.Halonen). Currently member of the Translational Committee of the ESC-Heart Failure Association.



SARA PORZILLI

Sede lavoro:	University of Oulu - School of Architecture (Finlandia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society
Keywords:	laser scanner, wooden architecture, digital representation, european research, historic architecture

Sara Porzilli is Architect and European Ph.D. graduated at the Department of Architecture of the University of Florence, Italy. Her specialization is laser scanner survey and digital systems for the documentation and representation of the architecture and its environment. Now she is having a Post Doctoral Researcher Position with a Marie S. Curie European Fellowship at the School of Architecture of the University of Oulu. Title of the research: “Preserving Wooden Heritage. Methods for monitoring wooden structures: 3D laser scanner survey and application of BIM systems on point cloud models”. Since 2009 she collaborates continuously in the academic field, supporting the research and teaching activities. Thanks to fellowships and specific project funding she took part in significant international research projects on Unesco World Heritage sites.



FRANCESCO REDA

H-Index:	8
Sede lavoro:	VTT Oy (Finlandia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering

Experienced in R&D of renewable energy production system district and/or building solutions. Currently Senior Scientist at VTT Ltd. 10-year experience in R&D of renewable energy production system for district and/or building applications, conceiving concept solutions for NetZeroEnergy communities, combining technical and user-centred solutions. My research activities are devoted to develop socio-technical energy solutions as a trigger of a “renewable revolution” for preserving the fragile interaction between the Earth, as a finite ecosystem, and the human beings, as consumers of resources coming from such fragile ecosystem. e is currently leading European and International Research and Innovation cooperation initiatives on smart city and the energy building solutions.



CLAUDIO RONCOLI

H-Index:	7
Sede lavoro:	Aalto University (Finlandia)
SSD:	08 - Ingegneria civile e Architettura 09 - Ingegneria industriale e dell'informazione
ERC:	SH2 Institutions, values, beliefs and behaviour PE8 Products & process engineering
Keywords:	Tranportation Engineering

Claudio Roncoli received his PhD degree from University of Genova, Italy (2013). He was a research assistant at University of Genova, Italy, from 2007 to 2013 and a visiting research assistant at Imperial College London, UK, in 2011 and 2012. From 2013 to 2016, he was a Postdoctoral Research Associate at Technical University of Crete, Greece. Since October 2016, he has been Assistant Professor of Transportation Engineering at Aalto University, Finland. Claudio is author of more than 40 papers published in international peer-reviewed journals, conference proceedings, and contributed books. Claudio has been involved in several national and international research projects, also as principal investigator. His research interests include real-time traffic management; modelling, optimisation, and control of traffic systems with connected and automated vehicles, as well as smart mobility and intelligent transportation systems.



SARA SOMMARIVA

H-Index:	1
Sede lavoro:	Aalto University (Finlandia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	LS5 Neurosciences & neural disorders

Sono attualmente una ricercatrice post-doc presso il dipartimento di Neuroscienze e Ingegneria Biomedica dell'Aalto University di Espoo, Finlandia. Supervisor: professor Lauri Parkkonen. Ho conseguito un dottorato in Matematica ed applicazioni e ho svolto laura triennale e magistrale in matematica presso l'Università degli studi di Genova, Italia. Supervisore di tesi di laura e dottorato: professor Alberto Sorrentino. Voto di laura: 110/110 con lode. La mia attivita' di ricerca riguarda principalmente lo sviluppo di metodi computazionali e matematici per l'analisi dei dati ottenuti con diverse tecniche di neuorimaging, tra cui magnetoecefalografia ed elettroencefalografia. Più in dettaglio, mi occupo di studiare e sviluppare algoritmi che, dati il campo magnetico e/o elettrico generati dal cervello e misurati in maniera non invasiva, siano in grado di ricostruire l'attività cerebrale che li ha generati e le connessione tra le diverse aree cerebrali attive.



ELENA TOFFOL

H-Index:	11
Sede lavoro:	University of Helsinki, Department of Public Health (Finlandia)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Mental health, women, depression, suicide, reproductive life

I graduated as a Medical Doctor with honors (2005) and specialized into Psychiatry and Psychotherapy (2010) at the University of Padova (Italy). I obtained the Doctorate in Medical Science (2013) and the title of Docent in Experimental

Psychiatry (2019) at the Department of Psychiatry, University of Helsinki (Finland). I have worked as a postdoctoral researcher at the National Institute for Health and Welfare in Helsinki (2013-2015), and at the University of Helsinki, Department of Psychology (2016-2017), and Department of Public Health (ongoing). My major research interests are on women's mental health (depression, anxiety, sleep and suicidal behaviour) and its associations to reproductive life (pregnancy, contraception, hormone therapy), metabolic alterations, and offspring health. I have authored more than 30 scientific publications, including original and review articles and book chapters. I am member of an Italian NGO for suicide prevention and postvention (www.soproxi.it).



Aalto University

FRANCIA



SILVIA ACHILLI

Sede lavoro: DCM (Francia)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry

Not available



MARTINA ADORNI

Sede lavoro: NEA (Francia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering

Martina Adorni is a Nuclear Engineer, holding a PhD in Nuclear and Industrial Safety from the University of Pisa. She acquired experience in nuclear safety, through the participation to national and international projects and working groups (OECD, EC, IAEA, USNRC, ETSON), while working at the NEA, Bel V (Belgian TSO) and University of Pisa. Since 2020 she is Nuclear Safety Specialist at the NEA. She provides support to working groups involved in nuclear reactor safety and regulation and, specifically, in the groups dealing with accident analysis and management and safety research. She was Safety Analyst at Bel V (Belgian TSO) since 2012. She was coordinator of the Bel V R&D and she was involved in the evaluation of nuclear safety assessments on severe accidents in Belgian nuclear installations. She started her research activities as student at University of Pisa at the San Piero a Grado Nuclear Research Group (GRNSPG) in 2003.



ELEONORA ALFANO

Sede lavoro: Université Paris 1 Panthéon-Sorbonne (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH4 The Human Mind and its complexity
Keywords: Storia della filosofia dell'illuminismo

Sono una dottoranda in Filosofia e sto preparando una tesi intitolata "La lance du peuple. Dom Deschamps, un métaphysicien athée au XVIII siècle" nel quadro di un dottorato congiunto con doppio diploma presso l'Università di Roma Tor Vergata e l'Université Paris 1 Panthéon-Sorbonne. Il mio progetto di ricerca in Francia è risultato vincitore del Bando Vinci 2020 dell'Università Italo-Francese. Le mie ricerche vertono su Dom Deschamps e la filosofia illuminista francese come lo attestano le mie pubblicazioni e la mia partecipazione a convegni internazionali. Ho conseguito la laurea magistrale con lode in Scienze Filosofiche presso l'Università di Roma Tor Vergata, con una tesi pubblicata dalla casa editrice francese l'Harmattan: "Dieu est Rien. La métaphysique matérialiste de Dom Deschamps." Ho prestato servizio presso la Biblioteca Vallicelliana nel quadro di un anno di Servizio Civile e di un Contratto di collaborazione occasionale, vinti entrambi tramite un bando indetto dal MIBACT.



RACHELE ALLENA

H-Index:	13
Sede lavoro:	ENSAM (Francia)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche
ERC:	PE7 Systems & communication engineering
Keywords:	biomeccanica

Laureata presso in Ingegneria Meccanica presso il Politecnico di Torino, svolgo attività di ricerca all'estero dal 2004. Dopo un anno come ingegnere di ricerca all'University of Illinois at Chicago, inizio un dottorato in Ingegneria Biomeccanica presso CentraleSupélec. Dal 2009 al 2010 sono post dottoranda CNRS et dal 2010 al 2011 post dottoranda Marie Curie - INTERPOD presso il Center for Genomic Regulation a Barcellona. Dal 2011 sono Maître de Conférences all'Ecole Nationale Supérieure d'Arts et Métiers a Parigi e nel 2015 ho ottenuto l'Habilitation à Diriger des Recherches dell'Université Pierre et Marie Curie. I miei lavori di ricerca si focalizzano sulla simulazione numerica delle attività cellulari quali migrazione, differenziazione e divisione al fine di predirne gli effetti meccanici su scala macroscopica nel contesto di fenomeni meccanobiologici come la cancerogenesi, la risposta immunitaria o l'embriogenesi.



GIOVANNI ALOISI

H-Index:	24
Sede lavoro:	Institut de Physique du Globe de Paris (Francia)
SSD:	04 - Scienze della terra
ERC:	PE9 Universe sciences
Keywords:	Geochimica isotopica

vuoto



ADA ALTIERI

Sede lavoro:	École Normale Supérieure (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics
Keywords:	Meccanica Statistica, Fisica Teorica, Sistemi Disordinati

Ada Altieri graduated at University of Rome Sapienza in 2014. She obtained then her PhD in Theoretical Physics in February 2018 both from the University of Rome Sapienza and the University Paris-Sud XI/Paris-Saclay co-advised by Giorgio Parisi and Silvio Franz respectively (cotutelle de thèse). During her doctoral studies she focused, on the one hand, on renormalization group techniques in disordered systems and, on the other hand, on the connections between continuous constraint satisfaction problems and the jamming transition in high dimension. In November 2017 she moved to the Laboratoire de Physique Théorique at École Normale Supérieure (LPT-ENS) in Paris, where she started a one-year postdoc with Francesco Zamponi working on the rheology of amorphous solids under shear deformations. Since November 2018 she is a postdoctoral researcher at LPENS working with Giulio Biroli on glassy systems and also on the investigation of collective and critical behaviors in large ecosystems.



ALESSANDRO ALUNNI

Sede lavoro:	CNRS (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders

CV



MARIO AMENDOLA

H-Index:	21
Sede lavoro:	INSERM (Francia)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	terapia genica

https://www.linkedin.com/in/amendolamario/

MAURO ANTEZZA



Sede lavoro:	Université de Montpellier (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	quantum systems out of equilibrium open quantum systems Casimir-Lifshitz interaction radiation-matter interaction disordered and complex systems radiative heat transfer light harvesting quantum thermodynamics quantum and classical nanophotonics

See attached file



SALVATORE MARIA ANZALONE

Sede lavoro:	Université Paris 8 (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	social robotics; artificial intelligence;

Not Available

ANDREA APOLLONI



Sede lavoro:	CIRAD (Francia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 07 - Scienze agrarie e veterinarie
ERC:	LS8 Evolutionary, population & environmental biology SH3 Environment & society
Keywords:	Mathematical modeling, complex system

Ho un Dottorato in Fisica teorica conseguito all'Università di Torino nel 2006. Dal 2007 mi occupo di sistemi complessi e fenomeni di diffusion su network. Durante questi anni ho lavorato al Virginia Tech (2007-2010), a l'Ecole Normale Superieure de Lyon (2010-2011), alla Fondazione Isi Torino (2011-2012), alla London School of Hygiene and Tropical Medicine (2012-2015). Dal 2015 sono ricercatore in epidemiologia computazionale al CIRAD-Montpellier. Dal 2016 al 2020 sono stato affiliato all'ISRA di Dakar per rinforzare le capacità di modeling. Durante questo periodo mi sono occupato di studiare e predire la diffusione di malattie animali (Peste des Petits Ruminants, Foot and Mouth Disease) e zoonotiche nella regione del West Africa

DAVIDE BALZAROTTI



H-Index:	46
Sede lavoro:	Eurecom (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	computer security, cybersecurity, computer science

Davide Balzarotti is a Professor and head of the Software and System Security group at Eurecom. He received his Ph.D. from Politecnico di Milano in 2006 and his research interests include most aspects of system security and in particular the areas of binary and malware analysis, reverse engineering, embedded security, computer forensics, and web security. Davide authored more than 90 publications in leading conferences and journals. He has been the Program Chair ACSAC 2017, RAID 2012, and Eurosec 2014 and he is a member of the editorial board of the IEEE Security & Privacy Magazine. Davide received in 2017 an ERC Consolidator Grant for his research in the analysis of compromised systems. Davide is is also member of the "Order of the Overflow" team that organizes the DEF CON CTF competition.

ROMINA BARTOCCI



Sede lavoro:	EPHE (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past

Titolare di una laurea magistrale in Lingue e civiltà dell'Asia e dell'Africa, conseguita presso l'Università Alma Mater Studioru di Bologna in Italia, nel 2012, ho in seguito ottenuto un Diplôme de l'Ecole Pratique des Hautes Etudes in Sciences Historiques et Philologiques, a Parigi nel 2019. Attualmente sono iscritta al dottorato dell' Institut français de recherche sur l'Asie de l'Est (IFRAE / FRE 2025), dell'università INALCO, a Parigi. Nel mio percorso di studi ho analizzato la struttura architettonica e il significato delle tombe a tumulo a pianta ottagonale attraverso un approccio storico-architettonico, esaminando il significato simbolico e sociale della tomba ottagonale, la sua evoluzione e la sua collocazione nel contesto socio-politico e culturale del Giappone e dell'Asia. Traduttrice freelance dal giapponese all'italiano e dal francese all'italiano per aziende italiane, da novembre 2019, lavoro come segretaria alla Presidenza presso l'Ecole Pratique des Hautes Etudes.



PAOLO BARTOLOMEO

H-Index:	58
Sede lavoro:	Paris Brain Institute (Francia)
SSD:	06 - Scienze mediche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders

Education/training 2000 – HDR; Paris 5 University 1994-1997 – Post-doc (EU program Human Capital and Mobility): Inserm U324; Paris; France 1995 – PhD in Neuroscience: Catholic University; Rome; Italy 1991 – Residency in Neurology: Catholic University; Rome; Italy 1987 – MD: Catholic University; Rome; Italy Career positions 2006-Present: Research Director (DR2); Inserm U1127 (ex 975); Brain and Spine Institute; CHU Pitié-Salpêtrière; Paris; France 2009-2015: Full Professor; Faculty of Psychology; Catholic University; Milan; Italy 2003-2013: Consultant Neurologist; Salpêtrière Hospital; Paris; France 2003-2006: Research scientist; Inserm U1127 (ex 610; 975); Brain and Spine Institute; CHU Pitié-Salpêtrière; Paris; France 1998-2003: Research scientist (CR1); Inserm U324; Sainte-Anne Hospital; Paris; France 1995-Present: Consultant Neurologist; National Hospital; Saint-Maurice; France



CHIARA BASTIANCICH

H-Index:	11
Sede lavoro:	CNRS UMR7051 - Institut de NeuroPhysiopathologie, Aix-Marseille Université, Faculté de Médecine (Francia)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology

Chiara obtained her Bachelor & master's degree in Chemistry and Pharmaceutical Technology (University of Torino) in 2013, followed by a double PhD degree in Pharmaceutical Sciences (UCLouvain - University of Angers) in 2018. Her work led to several publications in high impact factor journals & proceedings in conferences and set the basis for several ongoing projects. Her work has also been recognized with international prizes such as the Controlled Release Society (CRS) Italy Chapter 2018 PhD Award. Chiara is now a postdoc at Aix Marseille University and her research focus on the development of drug delivery systems as potential solutions for unmet medical needs, such as brain tumors. Over the years, she developed a global vision of science, creating her own collaborative network and advancing academic research in a bench to bedside perspective. She is reviewer for several journals, board member & coordinator of the Mentorship program of the CRS BeNeLux & France Local Chapter.



DEMIAN BATTAGLIA

H-Index:	15
Sede lavoro:	CNRS (Francia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders PE3 Condensed matter physics
Keywords:	Neuroscienze computazionali,

Trained in Theoretical Physics, I carry out an interdisciplinary research at the crossroad between Physics of Complexity, Computation and Information Science and Neuroscience. I am expert in the theoretical and computational analysis of the dynamics of multi-scale brain circuits, with emphasis on its role in flexible information routing and processing. In

the last years, I have broadened my research to encompass the investigation of whole-brain-scale networks, combining sophisticated modelling and data analysis. I am currently exploring the Functional Connectivity Dynamics of the human brain's resting state, aiming to achieve its quantitative characterization —also for biomarking, e.g. in aging or neurological or psychiatric pathologies— and to reverse engineer its organizing principles, in relation with cognition and emergent computing.



STEFANO BERTI

Sede lavoro:	Université de Lille (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE10 Earth system science
Keywords:	meccanica dei fluidi

Stefano Berti is assistant professor at University of Lille and researcher at Lille Mechanics Unit laboratory (ULR 7512), France. He received his PhD in 2006 from University of Torino (Italy) and University of Nice (France), and worked as a postdoc in 2007 at the University of Helsinki (Finland), from 2008 to 2010 at the University of Grenoble (France), from 2011 to 2012 at the Ecole Normale Supérieure de Paris (France). His research interests focus on transport properties in turbulent flows, reaction-transport systems, complex fluids, from a theoretical and numerical point of view.



BEATRICE BIANCARDI

Sede lavoro:	Télécom Paris (Francia)
SSD:	01 - Scienze matematiche e informatiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity PE6 Computer science & informatics
Keywords:	Human-Agent Interaction, Non-verbal Behaviour, Social Computing

NotAvailable



CLAUDIA S. BIANCHINI

H-Index:	9
Sede lavoro:	Université de Poitiers (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Lingua dei Segni, Gestualità coverbale, scrittura, trascrizione, linguistica, analisi biomeccanica del movimento, comunicazione cinestetica

Claudia S. Bianchini è Maître de Conférence di Linguistica delle Lingue dei Segni (LS) presso l'U.Poitiers (Francia), dal 2012. Laureata in Comunicazione multimediale (U.Perugia, 2006), ha ottenuto un dottorato in cotutela in Sciences du Langage (U.Parigi8/SFL-CNRS + U.Perugia/ISTC-CNR, 2012) Presso il lab FoRELLIS di Poitiers fa ricerca su: rappresentazione grafica (scrittura e trascrizione) delle LS; relazione scrittura/sviluppo metalinguistico; relazione significato/biomeccanica in LS e gestualità co-verbale. Partecipa a diversi progetti interdisciplinari (design, tipografia, informatica, robotica) tra cui ANR-LexiKHuM (resp. UO) e DGLFLF-TypannotGraphé. Dal 2012 insegna in Francia ed in Italia. Ha >50 comunicazioni e 27 lavori (anche su riviste di rilevanza internazionale, citati >200 volte). Ha ottenuto

svariati premi (Prix CA Brie Picardie 2016, Prix IFRATH 2013, Premio GloboTricolore 2013). Madrelingua in italiano e francese, parla inglese e spagnolo, e segna in LIS.



LUCA BIFERALE

H-Index:	51
Sede lavoro:	Ambasciata d'Italia e IIC (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics PE8 Products & process engineering
Keywords:	turbulence, complex flows, statistical mechanics, Machine Learning

2007-2013 DAE of Physical Review Letters 2007-2016 National coord. "Fields and Particles in Turbulence" (INFN) 2007-2011 Editorial Board EPJB 2008 Fellow Americal Physical Society 2010 Fellow EUROMECH Society 2009-2013 Managing Committe COST ACTION "Particles in Turbulence"erc 2011- Editorial Board EPJE 2012-2016 Scientific Committee CINECA 2013-2017 Physical Science Working Group (ESA) 2013-2019 Director CAST (U. Tor Vergata) 2014-2019 PI ERC AdG NewTURB 2013-2017 Steering Committee EuHIT 2013-2018 Managing Committee COST ACTION "Flowing Matter" 2015-2019 Supervisory Board HPC-LEAP (EJD) 2017 Access Committe PRACE 2017-2021 Supervisory Board STIMULATE (EJD) 2020-2022 Scientific Expert, Italian Embassy and IIC Paris, France 2021-2026 PI ERC AdG SMart-TURB



GIULIO BIROLI

H-Index:	56
Sede lavoro:	Ecole Normale Superieure (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics

Vedi PDF



MATTEO BISARDI

H-Index:	0
Sede lavoro:	Université de Paris (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	protein evolution, statistical physics, statistical inference

I studied for my Bachelor of Physics at the University of Trento for the first two years, followed by a fully funded year of Erasmus by the University of Tuebingen. The following year I was accepted in the prestigious Master in Physics of Complex Systems jointly organized by Polytechnic of Turin, SISSA, ICTP and a consortium of french Universities. During the master I have lived in 3 different cities (Trieste, Turin and Paris) and developed fully my mathematical and computational skills in a competitive and rich training program. Subsequently I worked on computational protein evolution for my Master Thesis, written at Sorbonne University, thanks to which I was accepted in the competitive PhD program IDEX of Université de Paris under the supervision of Francesco Zamponi and Martin Weigt. I am affiliated to the LPENS (of Ecole Normale Superieure) and I am currently exploring a very interesting research field at the intersection between machine learning, inference and biology.



BARBARA BOLOGNANI

Sede lavoro:	UNESCO (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past

Researcher expert in the field of cultural heritage with a specialization in Ancient Near Eastern Art and Archaeology. Strong academic background (PhD) in archaeology, museums, and landscape studies. Ten years of experience in fieldwork in Italy, Algeria, Tunisia, Turkey, Israel-Palestine, and Saudi Arabia. Diplomatic skills in addressing conflict and post-conflict dynamics.



DARIA BONAZZI

Sede lavoro:	Institut Pasteur/Inserm (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS6 Immunity & infection
Keywords:	Biofisica, Microbiologia, Biologia cellulare

After completing my studies and my first research projects in the field of physical chemistry, I became interested in living systems. Thanks to an internship in M. Piel's lab at Institut Curie, I discovered a great passion for cell biology in an interdisciplinary context. I then pursued a PhD under the supervision of N. Minc at the Institut J. Monod, working on the developmental polarity and morphogenesis of yeast cells and spores. For my Postdoc, I joined the team of G. Duménil, an expert of pathogenic bacteria and infectious processes. In his lab, thanks to my expertise in quantitative biology, micro-fabrication and modelling, I succeeded in characterizing the mechanical properties of meningococcal aggregates. Recently, I obtained a permanent position as a researcher in France to further develop the biophysics of host-pathogen interaction.



MARCELLA BONAZZOLI

Sede lavoro:	Inria, Institut Polytechnique de Paris (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	numerical analysis, preconditioners, high order finite elements, boundary element methods

Marcella Bonazzoli is a permanent junior researcher at Inria and Institut Polytechnique de Paris in France since 2018. Before that, she was a postdoc at Sorbonne Université (Laboratoire Jacques-Louis Lions, Paris), and she completed her PhD in Mathematics in 2017 at Université Côte d'Azur (Laboratoire J.A. Dieudonné, Nice). In 2014 she obtained a Master's degree in Mathematics from University of Verona (Italy) with the distinction "cum laude". In September 2019 she was a plenary invited speaker at the "Parallel Solution Methods for Systems Arising from PDEs" international conference in Marseille (France). Marcella Bonazzoli's research focuses on the numerical analysis and the precise fast simulation of non-self-adjoint or indefinite problems, like time-harmonic wave propagation problems.



CLAUDIA BONFIO

Sede lavoro:	University of Strasbourg (Francia)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis
Keywords:	Biochemistry, Supramolecular Chemistry, Biophysics

Since the beginning of my scientific career, I focused on the emergence of life on Earth. I combined my interests in inorganic, organic and biological chemistry, and identified key molecular pathways to enable the formation and activity of life's ingredients. I was awarded prestigious funding, including a Marie Skłodowska Curie Fellowship, to exploit my interdisciplinary expertise and engage with independent research projects related to the emergence of primitive cells. Since 2016, I have published 14 articles in prestigious peer-reviewed high-impact journals, including Nature Chemistry (×2, IF 24), JACS (x2, IF 15), Science (IF 42), Chemical Science (IF 10), Nature Catalysis (IF 42). Of these contributions, 6 have been published as first author (incl. Nat. Chem., Nat. Catal., JACS) and 3 as sole corresponding author. 7 papers have been published without my PhD advisor, and 3 without my postdoc advisor. To date, I am a Junior Group Leader at the University of Strasbourg - ISIS.



UGO BOSCAIN

Sede lavoro:	cnrs (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	teoria del controllo, meccanica quantistica, geometria differenziale

After the PhD in SISSA in 2000, and a post doc in France, he was hired as permanent researcher in mathematical analysis SISSA in 2002. In 2006 he joined the CNRS in France: first in Dijon, then at Ecole Polytechnique (Palaiseau) and finally at LJLL Sorbonne Université, where he is Director of Research. He is member of the Inria Team CAGE and Professor ``chargé de cours'' of automatic control at Ecole Polytechnique. His domain of research includes: geometric control, sub-Riemannian geometry, control of quantum mechanical systems. He is an ERC StG laureate 2009 and ERC POC laureate 2016. He wrote 2 books, more than 70 papers and supervised 10 PhD students.



ALESSANDRO BOSELLI

H-Index:	80
Sede lavoro:	Laboratoire d'Astrophysique de Marseille (CNRS) (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astrofisica

Astrofisico



MATTEO BOVOLENTA

H-Index:	14
Sede lavoro:	Genethon (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS7 Diagnostic tools, therapies & public health
Keywords:	Biologia Molecolare, Genetica, Terapia Genica, Gene Editing

Dr Matteo Bovolenta is a biotechnologist with specific skills in array design and technical innovation for both therapeutic and diagnostic genomic studies. He is currently Senior Researcher at Genethon, Evry (France). He has worked on two Telethon and two EU FP7 funded projects, has published several papers with a particular focus on diagnosis and therapy of neuromuscular disorders and won prizes at both national and international level. In 2011, Dr. Bovolenta was awarded “Young Innovator of the Year” by Technology Review Italy. In 2012, Dr. Bovolenta won a five-year position as Assistant Professor at the Department of Life Sciences and Biotechnology, Laboratory of Molecular Biology, at the University of Ferrara. In 2014 he won the Early Career Investigation Award from Bayer and the Trampoline Grant from the AFM-Téléthon. In 2016, Dr. Bovolenta was awarded with the Horizon 2020 Marie Skłodowska-Curie Individual Fellowship.



ALBERTO BRAVIN

H-Index:	44
Sede lavoro:	European Synchrotron Radiation Facility (Francia)
SSD:	02 - Scienze fisiche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	fisica medica, radioterapia, imaging, computed tomography

Dopo aver ottenuto nel 1999 un dottorato di ricerca in Fisica dall’Università degli Studi di Trieste, mi sono trasferito al Centro Europeo per la Radiazione di Sincrotrone (ESRF, Grenoble, Francia), per un post-dottorato, diventando, dal 2003, responsabile dei laboratori di ricerca in fisica biomedica. In questi anni, utilizzando le caratteristiche uniche dei fasci X di sincrotrone, ho focalizzato la mia ricerca nello sviluppo ed applicazione della “istologia virtuale” in 3D e 4D e nell’implementazione di tecniche radiochirurgiche innovative utilizzando microfasci di raggi X. Ho pubblicato 200 articoli scientifici “peer-review”. Ho partecipato a decine di progetti nazionali ed internazionali, dirigendo personalmente il progetto Europeo COST TD1205 riguardante lo sviluppo di metodi innovativi in radioterapia e radiochirugia con radiazione di sincrotrone.



ALBERTO BRIGHENTI

H-Index:	4
Sede lavoro:	CEA (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics
Keywords:	nucleare, neutronica, termoidraulica, superconduttori, sviluppo codici, calcolo scientifico

Sono un ricercatore PostDoc al centro di ricerca CEA Saclay ed attualmente mi occupo dello sviluppo e della validazione di un modello point-kinetics per la simulazione di rumore neutronico. Tale attività di ricerca è inserita nel contesto del progetto europeo CORTEX. La mia formazione universitaria si è svolta al Politecnico di Torino dove ho conseguito la laurea triennale (2013), magistrale (2015) e il Dottorato in Energetica (2019). Il titolo della tesi è stato "Moving forward

the thermal-hydraulic modeling of superconducting magnets for ITER: from the Insert Coils to the full magnets", in cui sono state fatte attività di sviluppo, validazione di un codice termoidraulico e simulazioni predittive dell'operazione dei magneti superconduttori del reattore a fusione nucleare ITER. La mia formazione e attività di ricerca sono state focalizzate sullo sviluppo di codici ad uso scientifico e sulla multifisica (termoidraulica, neutronica), come testimoniato da diverse pubblicazioni.



SARA BUDINIS

Sede lavoro:	International Energy Agency (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

My expertise includes modelling, simulation, control and analysis of energy systems: • Currently working at the International Energy Agency (OECD) as Energy Analyst (Directorate of Sustainability, Technology and Outlooks) • Research experience (3+ years) in the field of energy systems modelling (led the development of the industrial sector module of MUSE, quantifying energy consumption and environmental emissions of the global industrial sector, disaggregated into 28 regions) • Consulting experience (1.5 years) for the World Bank (focussing on the role of gas in the decarbonisation of industrial manufacturing in India) and for the IEA Greenhouse Gas R&D Programme (two projects: the first one quantifying the effect of Carbon Capture and Storage adoption on fossil fuel utilisation; the second one investigating sustainable routes for petrochemical production) • R&D industrial experience (2+ years) within the he power generation sector • PhD in process control and automation



YAN BUSBY

H-Index:	16
Sede lavoro:	Institut Franco Allemand de recherches de Saint louis (ISL) (Francia)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	materiali e superfici

Ricercatore in fisica-chimica dei materiali con più di 10 anni di ricerca applicata in Italia Belgio e Francia. Abilitato a dirigere le ricerche (HDR, equivalente ASN) in 2021.



GIANPIETRO CAGNOLI

H-Index:	110
Sede lavoro:	Claude Bernard Lyon (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE5 Materials & Synthesis
Keywords:	Onde Gravitazionali, Rumore Termico, Coatings, Silica Suspensions, Internal Friction, Amorphous Materials

Professore di Fisica alla UCBL, Lyon, Francia, dal 2015. Il percorso accademico è stato il seguente. 2016-2018 Direttore del Laboratorio Materiali Avanzati (LMA) 2012-2014 Invited Professor alla UCBL 2010-2011 Assistant Professor alla University of Texas in Brownsville, USA 2000-2007 Lecturer alla University of Glasgow, UK Sono ricercatore presso l'Institut Lumière Matière (iLM) a Lyon e mi occupo di sviluppo dei rivelatori interferometrici di onde gravitazionali. Sono

esperto nello studio e riduzione del rumore termico meccanico in tali rivelatori e dei fenomeni dissipativi nei materiali. Sono membro della collaborazione Virgo che gestisce e sviluppa l'omonimo rivelatore localizzato a Cascina, Pisa. Ho fatto parte delle collaborazioni GEO600 e LIGO.



IRENE CAIAZZO

Sede lavoro:	CNRS (Francia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production SH6 The study of the human past

Laurea in Filosofia, DEA e dottorato all'Ecole pratique des Hautes Etudes, Habilitation à diriger des recherches Directeur de recherches au CNRS depuis 2014, chercheur CNRS 2001-2014 Rédacteur en chef de la revue "Archives d'histoire doctrinale et litt"raire du Moyen Age", 2004-



EMILIO CALVANESE STRINATI

Sede lavoro:	Commissariato a l'Energia Atomica (CEA) - divisione l'elettronica e le tecnologie dell'informazione (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics PE7 Systems & communication engineering
Keywords:	5G, 6G, Edge Computing, Wireless Networks, Machine Learning, Interference Management, information theory, coding theory.

Dr. Emilio Calvanese Strinati obtained his Ph.D in Engineering Science in 2005 from Telecom Paris, France. He worked at Motorola Labs between 2002 and 2006. In 2006 he joints CEA/LETI as a research engineer. From 2011 to 2016 he was the Smart Devices & Telecommunications European collaborative strategic programs Director. Between December 2016 and January 2020 is was the Smart Devices & Telecommunications Scientific and Innovation Director. In February 2018 he directed the first 5G mobile millimeter waves demonstration in realistic operational environments at the 2018 winter Olympic Games, 5G technologies. Since 2018 he holds the French Research Director Habilitation (HDR). Since February 2020 he directs activities at CEA Leti focusing on future 6G technologies. E. Calvanese Strinati has published around 120 papers in international conferences, journals and books chapters, given more than 150 international invited talks, keynotes and tutorials. He is the main inventor of 60 patents.



ENRICO CALZAVARINI

Sede lavoro:	Université Lille (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	meccanica dei fluidi

Enrico Calzavarini is assistant professor at University of Lille and researcher at Lille Mechanics Unit laboratory (EA 7512), France. He received his PhD in 2005 from University of Ferrara, Italy and worked as a postdoc from 2005 to 2008 at the University of Twente in the Netherlands and from 2008 to 2010 at the Ecole Normale Supérieure de Lyon, France. His research interests focus on numerical simulations of turbulent flows, on the physics of developed thermal convection, on transport properties of fluid turbulence, and on the dynamics of bubbles, particles and microorganisms in turbulence.



FRANCESCO CAMAGLIA

Sede lavoro:	Laboratoire de Physique de l'Ecole Normale Supérieure de Paris (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Biofisica, Immunologia, Machine Learning

I obtained my Master Degree in Physics of Biological Systems at the University of Rome "La Sapienza" in 2019. I did my traineeship at IIT Roma and later, during my second year, I took part in the Erasmus+ program with an exchange to University “Sorbonne" in Paris (France), with lectures taken from the international master Physics of Complex Systems (i-PCS). I am currently studying for my PhD thesis at LPENS in Paris (France), with a main focus on immunology and data analysis.



ANNA CANNAVÒ

Sede lavoro:	CNRS (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Cirpo, epigrafia, fenicio, Vicino Oriente, archeologia

Anna Cannavò, ex allieva della Scuola Normale Superiore di Pisa (corso ordinario e perfezionamento: 2000-2008), ex membre dell’École française d’Athènes (2013-2017), è ricercatrice (chargée de recherche) CNRS al laboratorio HiSoMA, alla Maison de l'Orient et de la Méditerranée-Jean Pouilloux (Lyon, Francia) dal 2018. Dirige dal 2017 la missione archeologica francese di Amatunte (Cipro). È specialista di storia, epigrafia e archeologia cipriote.



ANDREA CANNIZZO

Sede lavoro:	Institut d'Electronique, de Microélectronique et de Nanotechnologie (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

- Laurea Triennale in Fisica conseguita all'Università Degli Studi Di Padova nel 2014 - Laurea Magistrale in Fisica indirizzo 'Teorico e Modellistico' conseguita all'Università Degli Studi Di Padova nel 2018 - attualmente (2021) studente di dottorato in Fisica Teorica presso l'École Centrale De Lille



ANNA RITA CANTELMO

H-Index:	18
Sede lavoro:	University of Lille, Inserm (Francia)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Fisiologia, Patologia

I discovered my passion for vascular biology during my graduate training. During my PhD in Italy, I acquired expertise in angiogenesis. Afterwards, to make a real difference for my future career, I moved to the lab of Prof Peter Carmeliet. Here, I initiated a project on endothelial cell metabolism and angiogenesis that resulted in several high-impact papers. I gained valuable experience in supervising students, leading a project and establishing a research unit. Since 2018, I am young team leader at the University of Lille, France. My primary research goals are directed towards understanding how tumor vessel abnormalities contribute to metastases.



LAURA CANTINI

H-Index:	8
Sede lavoro:	CNRS chargé de rechrche chez Ecole Normale Superieure (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE6 Computer science & informatics
Keywords:	computational biology, machine learning, bid data in biology, multi-omics, cancer

I am a CNRS Chargé de Recherche (permanent researcher) at Institut de Biologie ENS (IBENS), Paris. I have been previously a visiting researcher in Manolis Kellis' lab CSAIL MIT, Boston USA and a Post Doctoral Fellow in Unit 900, Institut Curie, Paris. I did a PhD in Complex systems in life science at the University of Turin and Candiolo Cancer Institute. During the PhD I have done a 6 months visiting period in the Prof. Santo Fortunato's lab Aalto University, Helsinki, Finland. I have a background in mathematics (MSc and BSc) at the University of Florence. In 2018 I have awarded of the "Bourse L'OREAL-UNESCO pour les femmes et la science".



CARMELA MELANIA CAPPELLANO

Sede lavoro:	freelance (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	Immunoterapia per oncologia, microbiologia

Je suis un chercheur biologiste avec une expérience professionnelle dans la Recherche & Développement de l'industrie pharmaceutique. Après un doctorat de recherche en microbiologie, réalisé à Milan (Italie) en partenariat avec le groupe pharmaceutique HMR, j'ai intégré Rhone-Poulenc Rorer en 1997 à Paris pour diriger un projet de recherche de métagénomique des sols dédié à la découverte de nouveaux antibiotiques. En 2000, je me suis formée aux États-Unis (Cambridge, MA) à la caractérisation et l'annotation des transcriptomes de tumeurs primaires, pour rejoindre ensuite la Recherche de Sanofi-Oncologie France, et travailler au développement de candidats précliniques. J'ai obtenu un MBA en marketing et communication santé en 2012 à l'ILV de Paris. Dés 2012, j'ai poursuivi mes travaux de recherche chez Sanofi sur l'élaboration de traitements innovants pour l'immunothérapie du cancer. En 2018 j'étais responsable de la viabilità des produits de la recherche amont



MARCO CAPPELLINI

Sede lavoro:	Université Aix Marseille (Francia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	glottodidattica, computer-assisted language learning

Depuis septembre 2015 : Maître de conférences en didactique du Français Langue Etrangère à Aix-Marseille Université. Directeur du Centre de Formation et Autoformation en Langues, UFR ALLSH Septembre 2013 – août 2015 : Attaché Temporaire d'Enseignement et de Recherche en 7ème section du CNU à l'Université Lille3. Septembre 2010 - juin 2013 : chargé de cours à l'Université Lille3 Août 2009 - juillet 2010 : 外聘专家 (Expert Etranger) à l'Université des Langues Etrangères de Dalian, Liaoning, Chine. Octobre 2008 – avril 2009 : chargé de cours à l'Université Lille3. Octobre 2007 – avril 2008 : assistant de langue italienne dans le lycée Corot et le collège-lycée Châtelet de la ville de Douai



MONICA CARDILLO

Sede lavoro: Université de Limoges (Francia)

SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
12 - Scienze giuridiche

ERC: SH3 Environment & society

Keywords: Diritto coloniale, diritto africano, diritto dell'acqua, consuetudini, demanio pubblico e privato, cooperazione internazionale.

Attualmente professore associato in storia del diritto presso l'Università di Limoges - Professore a contratto presso l'Université Catholique de Lille (2020-2021) - 2019 ottenimento di due premi per la miglior tesi di dottorato. - Febbraio 2019 ottenimento della doppia abilitazione francese per la maîtrise de conférences : sezione 03 – Storia del diritto sezione 22 – Storia e civilizzazioni - 30 novembre 2018 Dottorato di ricerca in storia del diritto: «L'eau et le droit en Afrique au XIXe et XXe siècle. L'expérience de la colonisation française» 2013, ottenimento di una borsa di eccellenza del Ministero degli affari esteri francese. - 2004-2010 Laurea Magistrale in Giurisprudenza: «La gestione delle risorse naturali in Africa tra diritto scritto e tradizione» Diversi soggiorni di ricerca e conferenze in Africa Esperta nei settori del diritto dell'acqua in Africa e del diritto coloniale. Membro di prestigiose accademie francesi tra le quali l'Académie de l'Eau.



BARBARA CARNEVALI

Sede lavoro: Ecoles des Hautes Études en Sciences Sociales (Francia)

SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche

ERC: SH5 Cultures & cultural production

Barbara Carnevali is associate professor at the Ecole des Hautes Etudes en Sciences Sociales in Paris and holds a chair in "social aesthetics". She studied philosophy at the Scuola Normale Superiore di Pisa (Italy) and has been a fellow of the Fulbright Foundation at the University of Chicago, of the Institute for Advanced Studies in Paris and of the Italian Academy at Columbia University of New York. She is member of the editorial board of the European Journal of Philosophy and of the scientific committee of the Italian Festival of Philosophy. She works on issues at the intersection between social philosophy and aesthetics. Her publications include the books Romantisme et reconnaissance. Figures de la conscience chez Rousseau (Droz, 2012) and Social Appearances (Columbia University Press, 2020). She has contributed to various international journals such as Annales, Critique, Diogenes, WestEnd. Neue Zeitschrift für Sozialforschung.



MARCO CAROZZI

Sede lavoro: INRAE (Francia)

SSD: 07 - Scienze agrarie e veterinarie

ERC: LS8 Evolutionary, population & environmental biology

Keywords:	Greenhouse gas emissions, carbon storage, climate change, cropland, pasture, ammonia, nitrate leaching, agricultural policies

PhD in Agricultural Ecology. Researcher in atmospheric emissions from agrosystems at INRA (UMR EcoSys, Versailles-Grignon, France). Main research focuses on reactive and GHG gases from different agrosystems (pastures, grassland, arable lands), mitigation and adaptation strategies to climate change at field and regional scales, dispersion modelling, ecosyste modelling of C and N, agricultal policies, water pollution and soil erosion. He collaborates in several national and international projects and with different research institutes.

CATERINA CASARI



Sede lavoro:	Inserm (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS4 Physiology, Pathophysiology & Endocrinology LS7 Diagnostic tools, therapies & public health
Keywords:	Emostasi, Modelli Murini, Fattore di von Willebrand, silencing in vivo

Caterina is an Italian molecular biologist with extensive experience in the field of haemostasis. In 2016 she returned to INSERM in Paris where she was selected as researcher (Chargé de recherche de classe normale) in 2018. Currently, she is part of the Inserm Unit 1176 -Hemostasis, Inflammation, Thrombosis- and her research studies are predominantly focused on VWF and its partners. She is interested in developing in vitro & in vivo models to elucidate molecular mechanisms underlying the unsolved clinical aspects of congenital and acquired von Willebrand disease. She is also interested in exploring novel molecular strategies that can be applied as therapeutic approaches for VWF-associated disorders. She has been a member of the ISTH-Early Career Committee since its creation in 2013 (chair 2020-2022). http://www.umrs1176.u-psud.fr/ ORCID: https://orcid.org/0000-0002-8271-6795 WEB OF SCIENCE: https://publons.com/researcher/2934214/caterina-casari/

MICHELE CASULA



H-Index:	27
Sede lavoro:	Sorbonne University (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

CNRS CR researcher at IMPMC, Sorbonne University, Paris, France since October 2010 in the group Théorie quantique des materiaux (group leader) French Habilitation: Habilitation à diriger des recherches (Specialité physique) issued by the Sorbonne Université, Paris, France. December 2017. Postdoctoral fellow at École Polytechnique, Paris, France from September 2008 to September 2010 in the strongly correlated quantum materials group in collaboration with Silke Biermann. Postdoctoral fellow at University of Illinois at Urbana-Champaign, Illinois, USA from October 2005 to August 2008 in the group of Professors David M. Ceperley and Richard M. Martin. Doctor Philosophiae in Condensed Matter Theory at the International School for Advanced Studies (SISSA), Trieste, Italy. October 2005 Bachelor in Physics at University of Trieste, Italy, November 2001

PAOLO CATTANEO



Sede lavoro:	CEA-Commissariat à l'énergie atomique et aux énergies alternatives (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Nuclear reactor physics, Applied Mathematics, Energy Innovation

NA

ANDREA CATTONI



H-Index:	20
Sede lavoro:	Centre de Nanosciences et de Nanotechnologies - C2N, CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE8 Products & process engineering
Keywords:	Photovoltaics, Nanophotonics, Molecular Beam Epitaxy, Nanofabrication

I'm a CNRS research scientist at the Center for Nanoscience and Nanotechnology (C2N, CNRS and Paris-Saclay University). My research interests are currently focused on light trapping for ultra-thin and tandem solar cells (III-V, CIGS), epitaxial growth of III-V Nanowire for Tandem solar cell applications and low-cost and large surface area nano-fabrication technologies. Together with Stéphane Collin (C2N), I have created the SUNLIT team in 2014 (https://sunlit-team.eu). I'm also associated with the Institut Photovoltaïque d'Ile-de-France (IPVF). In the framework of the IPVF research program on III-V solar cells at IPVF, I'm the principal investigator for the work packages related to III-V integration on Silicon: "multi-functional bonding for III-V on Si" and "III-V Nanowires on Si". I'm also the C2N scientific officer for NFFA-Europe-Pilot (NEP) (NFFA).

SARA CAVALIERE



Sede lavoro:	Maître de conférences (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE8 Products & process engineering
Keywords:	materiali per l'energia, celle a combustibile, elettrolisi, nanomateriali, nanofibre, elettocatalisi, membrane a scambio ionico

2015 Habilitation at University of Montpellier (UM) (France) 2006 PhD in Chemistry and Materials Science at University of Versailles (France) 2001 Graduation in Chemistry at University of Milan (Italy) (eq. MSc) Professional positions 2009-present Assistant Professor at UM, ICGM/AIME 2007-2009 Assistant at University of Lyon (France) 2006-2007 Post-doc at FMF-Freiburg (Germany) Dissemination • 62 peer-reviewed publications, 5 book chapters, 4 proceedings, 2 patents, 1 edited book • 123 communications in (inter)national conferences, 24 invited • h-factor 22 Selected publications • ACS Catalysis 2020, 10, 10399-10411. • ACS Appl. Energy Mater. 2019, 2, 7211-7222. • J. Membr. Sci. 2019, 570–571, 69-76. Distinctions • CNRS bronze medal 2017 • Junior member of IUF (2017-22) Scientific responsibilities • PI of the projects HYDROGEN-ERC PoC (2019-21), SPINAM-ERC St. Grant (2013-18) • Participation in 11 EU projects and 5 national (since 2009)



GIACOMO CAVALLI

H-Index:	57
Sede lavoro:	Institut de Génétique Humaine (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Epigenetica

vedere curriculum in formato pdf



MARCO CAVALLONE

Sede lavoro:	Ecole Polytechnique - Laboratoire d'Optique Appliquée (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Accelerazione_laser-plasma, radiobiologia, radioterapia, dosimetria, simulazioni_Monte_Carlo

vedi pdf



MARIA CECILIA CECCARELLI

H-Index:	70
Sede lavoro:	Universitè Grenoble Alpes, Istitut de Planetologie et d'Astrophysique de Grenoble (IPAG) (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astrofisica; Astrochimica; Formazione Stellare

not available, see attached CV



CARLO CECCHETTO

Sede lavoro:	CNRS (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH4 The Human Mind and its complexity

See Extended CV



MARCO CECCHINI

H-Index:	24
Sede lavoro:	Université de Strasbourg (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE3 Condensed matter physics
Keywords:	Molecular modeling and simulation

Laureato all'Università degli Studi di Bologna in Chimica Industriale, ho integrato l'Università di Zurigo (Svizzera) per un dottorato in modellizzazione e simulazione di proteine. Ottenuto il grado di PhD in Scienze Naturali nel 2005, ho integrato il gruppo di Martin Karplus (premio Nobel per la Chimica 2013) all'Institut de Science et d'Ingenierie Supramoléculaires di Strasbourg (Francia) come ricercatore. Quattro anni dopo, sono stato nominato group leader e ho assunto la direzione del Laboratorio di Ingegneria della Funzione Molecolare all'età di 35 anni. Nel 2011 ho ottenuto il riconoscimento di Chaire d'Excellence del CNRS e sono stato assunto come Professore associato all'Università di Strasbourg. Nel 2016 ho vinto il Premio d'encadrement Doctorale et de Recherche (PEDR) e integrato l'Institut de Chimie de Strasbourg come direttore di Laboratorio. Sono autore di 44 pubblicazioni scientifiche in riviste internazionali e co-inventore di 2 brevetti europei.

GRAZIA CECERE



H-Index:	19
Sede lavoro:	Institut Mines Telecom, Business School (Francia)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Economics of privacy, Algorithmic bias, mobile application and children

Grazia Cecere is Professor of Economics at Institut Mines Telecom, Business School, LITEM. She is research fellow at Université Paris Sud. She completed her Ph.D in Economics at the University of Paris Sud (France) and the University of Turin (Italy). She holds her master from the College of Europe, Natolin in Poland. She was visiting researcher at SPRU, University of Sussex and ZEW, Mannheim. Her main research interests are digital economy and more particularly the economics of privacy, algorithms and machine learning, economics of mobile applications, and digital marketing. In 2019, she was awarded the 'Marie-Dominique Hagelsteen' prize for responsible advertising by the French professional regulation of advertising authority. Her current work focuses on how children's privacy is treated by developers in the mobile applications market, and how advertising research design can lead to unintended algorithmic bias online.



IGOR CERSOSIMO

Sede lavoro:	ESSCA (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	SH3 Environment & society PE1 Mathematical foundations PE6 Computer science & informatics
Keywords:	Statistica, Data Science, Sostenibilità, Bibliometria

Ricercatore e Data Scientist, ho dedicato buona parte della mia carriera all'analisi di dati sullo sviluppo sostenibile, le politiche per la lotta al cambiamento climatico e il metabolismo urbano (con un focus particolare sulle megalopoli cinesi). Ho lavorato anche nel settore privato, come Data Scientist, occupandomi di analisi di dati di utenti di social media, con finalità di marketing. Dal 2018 sono Assistant Professor of Data Science presso ESSCA school of Management.

Insegno corsi di statistica, informatica, business analytics e online studies. La mia ricerca è invece focalizzata sull'analisi bibliometrica e sull'applicazione di metodi quantitativi a contenuti testuali, specialmente vecchi documenti a carattere economico.



ANDREA CHERUBINI

Sede lavoro: Université de Montpellier (Francia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering
Keywords: robotica

I received the « Laurea » degree (MSc) in Mechanical Engineering in 2001 from the University of Rome « La Sapienza » and a second MSc in Control Systems in 2003 from the University of Sheffield, U.K. From 2004 to 2007, I was a PhD student at « La Sapienza », then from 2007 to 2011, post-doc at INRIA Rennes. Since 2011, I am Associate Professor and since 2021, Full Professor at Université de Montpellier. Currently, I am working on physical human-robot interaction. This research is targeted by the projects H2020 VERSATILE, H2020 SOPHIA, CoBot@LR and ANR SISCOB, all of which I manage or have managed as Principal Investigator for LIRMM. At the Université de Montpellier, I am responsible, since 2015, of the Robotics Master Course. At LIRMM I lead, since 2020, the IDH team, which is composed of 6 permanent researchers and approximately 20 phd students and postdocs.



LEONARDO CHIAPPISI

H-Index: 18
Sede lavoro: Institut Laue-Langevin (Francia)
SSD: 02 - Scienze fisiche 03 - Scienze chimiche
ERC: PE3 Condensed matter physics PE5 Materials & Synthesis

Nato a Palermo il 28.02.1987 consegue la laurea triennale in chimica all'università degli studi di Palermo nel 2009 con una valutazione di 110/110 e lode. Si sposta a Berlino dove consegue la laurea specilistica in chimica con voto sehr gut nel 2011. Quattro anni dopo ottiene il dottorato in chimica dall'universitá tecnica di Berlino. Dal 2016 lavora come ricercatore presso l'institut Laue-Langevin a Grenoble, Francia, dove si occupa del design e caratterizzazione di sistemi colloidali, basati prevalentemente su materiali polimerici. Nella sua carriera ha pubblicato 42 articoli su riviste peer review.



ANDREA CHIAVASSA

H-Index: 29
Sede lavoro: CNRS (Francia)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: Astrofisica

My research projects are articulated around different domains having as federative themes the 3D modeling and the observation of stellar atmospheres. In particular, since my thesis I focused on evolved stars and later I extended my research field to all stars, from the Main Sequence to the evolved stages of red giants and red super-giants. My work is based on the quantitative analysis of images, synthetic spectra, bolometric luminosity, planetary transits of the different

types of stars and on the modeling of their atmosphere. It includes the use and development of 3D models that are necessary for the interpretation of data obtained with the new instruments equipping large telescopes on earth and in space. Interferometry and spectroscopy play an important role in my research. Finally, my research themes concern interdisciplinary aspects by addressing questions related to the physics of the atmosphere in connection with 3D hydrodynamical simulations.

PATRIZIA CHIESA



H-Index:	13
Sede lavoro:	Biogen (Francia)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscienze

Expert in clinical and cognitive neuroscience with strong skills in project leading and management as demonstrated by >15 publications and successful awarded

CONSTANZE CIAVARELLA



Sede lavoro:	Institut Pasteur (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	LS6 Immunity & infection
Keywords:	malattie infettive, epidemiologia, modellizzazione, simulazione

Mathematical modeller in infectious disease epidemiology with experience modelling malaria (P. falciparum and P. vivax), human mobility, influenza and SARS-CoV-19.

PAOLA CINNELLA



Sede lavoro:	Sorbonne Université (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Fluidodinamica, gasdinamica, simulazione numerica

Paola Cinnella is a full professor at Sorbonne Université, Institut Jean Le Rond D'Alembert. She graduated summa cum laude in Mechanical Engineering at the Politecnico di Bari. She got a PhD degree in Fluid Mechanics (summa cum laude) from Ecole Nationale Supérieure d'Arts et Métiers-ENSAM (currently, Arts et Métiers ParisTech) in Paris. She worked at University of Salento (Italy) as an assistant professor in 2001-2008. From 2008 to 2020 she worked as a professor at ENSAM, Paris, where she taught courses in Fluid Mechanics, Aerodynamics, and Compressible flow simulations. Her research focuses on Computational Fluid Dynamics, Compressible Flows and data-driven model discovery and uncertainty quantification. She has published more than 100 scientific papers, mostly refereed journal articles or international conference proceedings, and she supervises or has supervised 23 PhD dissertations and about 50 Master of Science dissertations.



MARCO CIRELLI

H-Index:	37
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE9 Universe sciences
Keywords:	particelle, astroparticelle, cosmologia, materia oscura

Ricercatore in Fisica Teorica delle Particelle e Astroparticelle. Interessi: Materia Oscura. Ricercatore del CNRS francese dal 2007. Fellow CERN 2009-2012.



CRISTIANO CIUTI

H-Index:	57
Sede lavoro:	Université de Paris (Lab. MPQ) (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics

Professor Cristiano Ciuti is a quantum physicist and author of pioneering theoretical contributions to the physics of polaritons, quantum fluids of light and ultra-strong light-matter interaction. Cristiano Ciuti is presently Professor at Université de Paris and director of the laboratory Matériaux et Phènomènes Quantiques (MPQ). Prior to arriving in France, Cristiano Ciuti completed undergraduate studies at Scuola Normale Superiore in Pisa, Italy, followed by a PhD at EPFL, Lausanne in Switzerland and a postdoc at the University of California, San Diego. He commenced his research activities in France in 2003, as a lecturer at ENS Paris. In 2006 he was promoted to professor at Université de Paris (formerly Université Paris Diderot). Cristiano Ciuti's research had led to his nomination to the Universitaire de France in 2010, a prestigious ERC grant (2014) and the 2019 Friedel-Volterra prize, a joint award of the French and Italian Physical Societies.



EMANUELE CLARIZIO

Sede lavoro:	Université Catholique de Lille (Francia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH2 Institutions, values, beliefs and behaviour

POSITION ACTUELLE Maître de Conférences (Sep 2019 –) Centre d'Éthique Médicale (CEM) – Laboratoire EHTICS Université Catholique de Lille POSITIONS PRÉCÉDENTES Chercheur postdoctoral (Déc. 2018 à Août 2019) CNRS - Université Paris 1 Panthéon-Sorbonne, Institut des Sciences Juridiques et Philosophiques de la Sorbonne (ISJPS - UMR 8103) Projet : Les valeurs de la vie dans les biobanques Chercheur postdoctoral (Fév. 2017 à Nov. 2018) Université de technologie de Compiègne, Connaissance, Organisation et Systèmes Techniques (Costech - EA 2223) Projet : BiobanquePerso. La biobanque de picardie au défi de la médecine personnalisée Directeur du projet : Prof. Xavier Guchet Chercheur postdoctoral (Sept. 2015 à Août 2016) Université Paris-Est Créteil (UPEC), Lettres, Idées, Savoir (LIS - EA 4395) Projet : L'analogie technologique dans l'épistémologie cartésienne du vivant et ses conséquences éthiques et anthropologiques



ALICE COFFANI

Sede lavoro: Ecole polytechnique (Francia)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: Particelle, neutrini

I am currently enrolled in the third year of PhD program at Ecole polytechnique, Paris. My work focuses on Supernova explosions in the Universe with the detection of “relic” neutrinos in the Super-Kamiokande detector. I had the opportunity to spend several months in Japan and USA where I could attend schools, conferences and collaborate with local laboratories. My experiences abroad helped me develop an open an flexible mind, a good attitude to challenges other than a good knowledge of English and French. During the PhD I could participate to courses about public speaking, research ethic and scientific divulgation. I obtained my master degree at the University of Milano-Bicocca with the final grade of 110/110 cum laude. In 2017 I collaborated with the Italian Physical Society (SIF). In the same year I spent few weeks at the Eurasian National University, Astana, Kazakhstan to attend the Green Energy Management Summer School (GEM) for EXPO 2017-Future Energy.



ANDREA COMANDINI

Sede lavoro: CNRS (Francia)
SSD: 03 - Scienze chimiche
ERC: PE8 Products & process engineering

Not available



FRANCESCA CONDEMI

H-Index: 4
Sede lavoro: CORWAVE (Francia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering

I received my PhD degree in Biomedical and Computer Engineering in 2015 from the UMG (Italy). In 2013, I worked under Prof. Zwischenberger, renowned expert in extracorporeal membrane oxygenation, on the optimization of a patented double lumen cannula for heart failure patients. In 2016, I joined the group of Prof. Stephane Avril, a leading expert in biomechanics, where I developed an original method for the fluid and biomechanical analysis of the ascending thoracic aorta aneurysm, combining the latest advancements in medical imaging (4D flow MR) with computational methods and in-vitro test. At the University of Toronto, I used imaging and computational methods to elucidate the mechanisms responsible for coronary artery bypass graft failure, working under the supervision of Dr. Jimenez-Juan, leading expert in radiology, and Prof. Triverio, an internationally recognized leader in numerical methods. I currently work for Corwave (Paris) as R&D Engineer.



PIETRO MARCO CONGEDO

Sede lavoro:	Inria (Francia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

Pietro Marco Congedo is an Inria Research Director at Center for Applied Mathematics of Ecole Polytechnique and Inria Center Saclay Île-de-France. He graduated with honours in Materials Engineering at University of Lecce (Italy). After his Master in Fluid Mechanics at Arts et Métiers (Paris, France), he received his Ph.D. in Energy Systems at University of Lecce in 2007, and he joined Inria in September 2010. He has been awarded with the Best Paper Prize in Applied Aerodynamics of the AAAF (Association Aéronautique et Astronautique de France) in March 2009, research fellowships from Stanford University in 2010, 2012 and 2018, and the prize of scientific excellence from INRIA in 2012, 2016 and 2020. He has been the coordinator of the AQUARIUS and Communes Associated Team, and is the Co-Director of the Inria-CWI International Lab.



FRANCESCA CONTRADA

Sede lavoro:	ESTP Paris (Francia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering

Francesca Contrada è professore associato all'ESTP-Paris dal 2019. Ha ottenuto un dottorato in Sciences pour l'Ingénieur nel 2019 all'Université Paris-Est, sulla valutazione della prestazione globale dell'edificio e del processo costruttivo in fase di studio di fattibilità. I suoi temi di ricerca sono la costruibilità, l'ottimizzazione del processo costruttivo e le prestazioni dell'edificio, i componenti d'involucro integranti materiali biobased, il comfort termico e la qualità dell'aria. Ha partecipato ai progetti dell'ITE EFFICACITY sugli eco quartieri e lavora attualmente sul supporto alla decisione per una pianificazione urbana basata su politiche di carbon neutral. Tiene corsi di energetica, simulazione energetica dell'edificio, comfort termico e qualità dell'aria.



LUCILLA CORRIAS

Sede lavoro:	Université d'Evry Val d'Essonne - Paris Saclay (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	LS8 Evolutionary, population & environmental biology PE1 Mathemati foundations

Maître de Conférence con abilitazione, in Matematica Applicata, presso l'Università d'Evry - Paris Saclay



LUCA COSTA

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche
ERC:	PE3 Condensed matter physics
Keywords:	Atomic Force Microscopy, Microscopy, X-Ray Microscopy, Fluorescence Microscopy and Spectroscopy

not available



DANIELE COSTANTINI

Sede lavoro:	Ingénieur RD (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE8 Products & process engineering
Keywords:	Ottica, industria, vetro, daylighting, nanotecnologie

https://www.linkedin.com/in/daniele-costantini-70623759/



DANIELA COTA

H-Index:	36
Sede lavoro:	INSERM (Francia)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Brain, obesity, diabetes, hypothalamus, metabolism, food intake

Daniela Cota obtained her Medical Degree in 1999 at the University of Bologna (Italy), where she also obtained a scholarship in Clinical Endocrinology. From 2001 to 2003, Dr. Cota worked as a research fellow at the Max Planck Institute of Psychiatry, Munich (Germany). From 2004 to 2007, she had a post-doctorate contract at the Institute of Metabolic Diseases of the University of Cincinnati (USA). In 2008, Dr. Cota obtained a research position as independent principal investigator at the French Medical Research Institute (INSERM), and established her own laboratory at the NeuroCentre Magendie in Bordeaux, France. Dr. Cota and her lab study the role of the brain in the physiopathology of obesity and the brain-periphery cross-talk mechanisms relevant for the regulation of food intake and whole body metabolic responses. For further information on Dr. Cota's work and on her lab, please visit: http://www.neurocentre-magendie.fr/cota



FABRIZIO CROCCOLO

H-Index:	19
Sede lavoro:	Université de Pau et des Pays de l'Adour (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	stoccaggio CO2, termodinamica di non-equilibrio, fluidi complessi, tecniche ottiche di scattering

Di formazione accademica, sono professore all'Università di Pau in Francia dove dirigo un progetto industriale per l'ottimizzazione dello stoccaggio della CO2 in depositi profondi di acqua salata. Ho un'esperienza ventennale sullo sviluppo di metodi ottici per studiare i fluidi complessi e in generale lo studio sperimentale di problemi di termodinamica di non-equilibrio inclusi sistemi multi-fase e ad alta pressione.



EMANUELE CUTINELLI-RENDINA

Sede lavoro:	Université de Strasbourg (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Letteratura italiana Rinascimento Ventesimo secolo

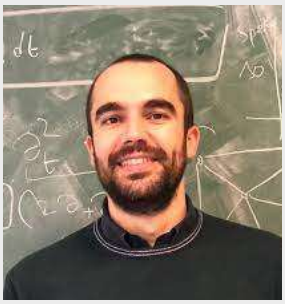
Dal 2004 professore ordinario di letteratura italiana presso l'Università di Strasburgo (Francia)



FRANCESCO DACAPITO

H-Index:	35
Sede lavoro:	Consiglio Nazionale delle Ricerche (Francia)
SSD:	02 - Scienze fisiche
ERC:	SH1 Individuals, institutions & markets PE3 Condensed matter physics
Keywords:	Luce di sincrotrone, spettroscopia di assorbimento di raggi X, contatti ricerca-industria, management di grandi laboratori

The activity of dr F. d'Acapito can be divided in different fields: Development of instrumentation. F. d'Acapito is active since the beginning of his scientific career (1990) in the development of synchrotron radiation instrumentation for X-ray Absorption Spectroscopy (XAS) in particular for surface studies. Structural studies. He is been active as a XAS expert with particular attention to semiconducting and insulating materials in collaboration with several institutions. He has developed expertise structural modelling for the interpretation of the XAS experimental data. Management. At present he is responsible of the LISA project (beamline at ESRF). Since Jan 2011 he is member of the Italian delegation to the ESRF management boards, in particular as member of the Administrative and Finance Committee, Industrial Liaison Officier and advisor of the Council Delegation. Languages Italian (mother tongue), French and English (fluent in speaking, reading and writing).



RAFFAELE D'AGNOLO

Sede lavoro:	CEA IPhT Saclay (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	FIS/02, fisica teorica delle particelle

N/A



DANIELE DAINI

Sede lavoro: Aix-Marseille University (Francia)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics

Not available



STEFANO DAL PONT

Sede lavoro: Université Grenoble-Alpes (Francia)
SSD: 08 - Ingegneria civile e Architettura
ERC: PE10 Earth system science
Keywords: calcestruzzo ad alte temperature, x-rays/neutrons imaging, modellazione numerica multi-fisica

Dopo la Laurea in Ingegneria Civile presso l'Università di Padova (2000), Stefano DAal Pon ha conseguito un Dottorato di Ricerca in "Structures et Matériaux" presso l'Ecole Nationale des Ponts et Chaussées in Francia (2004). Nel 2006 è stato nominato Maitre des Conférences a l'Università di Marne la Vallée ed in seguito Chargé des Recherches al Laboratoire Central des Ponts en Chaussées a Parigi. A 36 anni è stato nominato Professeur des Universités de Génie Civil presso l'Università Grenoble- Alpes. S. Dal Pont è autore di oltre 100 pubblicazioni principalmente sulla tematica del comportamento ad alte temperature di mezzi porosi, con collaborazioni scientifiche con soggetti privati e pubblici tra cui Lafarge-Holcim, l'istituto Europeo Laue-Langevin – Neutrons for Society, il Politecnico di Milano, l'Università di Sao Carlos in Brasile, l'Università di Sheffield (UK).



BARBARA DALENA

Sede lavoro: CEA- Commissariat Energie Atomique et aux Energie Alternative (Francia)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

Not Available



STEFANO D'ALESSANDRO

H-Index: 9
Sede lavoro: LGBP/BIAM/UMR7265 (Francia)
SSD: 05 - Scienze biologiche
ERC: LS3 Cellular and Developmental Biology
Keywords: Fisiologia Vegetale, cloroplasti, fotosintesi, stress abiotico

not available



LUISA DE COLA

H-Index:	77
Sede lavoro:	University of Strasbourg (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	(Nano)materials

Luisa De Cola is since September 2013 Professor Exceptionnelle at the University of Strasbourg (ISIS) as chair of Supramolecular and Bio-Material Chemistry, and part time scientist at the INT-KIT, Karlsruhe, Germany. She was born in Messina, Italy, where she studied chemistry. After a post-doc in USA she was appointed Assistant Professor at the University of Bologna (1990). In 1998 she was appointed Full Professor at the University of Amsterdam, The Netherlands. In 2004 she moved to the University of Muenster, Germany. She is recipients of several awards, the most recent being the ERC advanced grant , IUPAC award as one of the Distinguished Women in Chemistry and Chemical Engineering (2011), the International Prize for Chemistry “L. Tartufari” and the Catalan -Sabatier prize from the Spanish Royal Academy of Science. She has been Nominated “Chevalier de la Légion d' Honneur” by the President François Hollande, and she is a member of the German Academy of Science, Leopoldina.



PRIMAVERA DE FILIPPI

H-Index:	19
Sede lavoro:	Centre National de Recherche Scientifique (CNRS) (Francia)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	blockchain, intelligenza artificiale, Internet governance, decentralizzazione, privacy

Primavera De Filippi is a Permanent Researcher at the National Center of Scientific Research (CNRS) in Paris, a Faculty Associate at the Berkman-Klein Center for Internet & Society at Harvard University, and a Visiting Fellow at the European University Institute. Her research focuses on the legal challenges and opportunities of blockchain technology and artificial intelligence, with specific focus on trust and governance. She is the author of the book “Blockchain and the Law,” published by Harvard University Press. She was awarded a €2M grant from the European Research Council to investigate the implications of blockchain technology on institutional governance and global governance. Primavera is also an artist and legal expert for Creative Commons in France. She was a founding member of the Global Future Council on Blockchain Technologies at the World Economic Forum, and co-founder of the Internet Governance Forum’s dynamic coalition on Blockchain Technology.



ANDREA DE LUCA

H-Index:	19
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	fisica statistica, entanglement, fuori equilibrio, termodinamica, integrabilità, chaos, localizzazione

I am a theoretical physicists working at the interface between statistical mechanics, mathematical physics and condensed matter. My interests include: out-of-equilibrium many-body dynamics, thermalization, many-body

localization, driven/dissipative systems, quantum entanglement, quantum hydrodynamics. I am currently a CNRS researcher (chargé de recherche) of the LPTM in the University of Cergy-Pontoise. Prior to this, I was a Marie Curie Fellow at the University of Oxford (2016-2019) collaborating with J.T. Chalker. I obtained my PhD at Sissa (Trieste, Italy) under the supervision of Giuseppe Mussardo and Antonello Scardicchio. During my career I spent time as a postdoc in LPTENS and LPTMS.



DANIELE DE LUCA

H-Index:	28
Sede lavoro:	Paris Saclay University Hospitals (Francia)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	pediatria, critical care

Chief, Division of Pediatrics, Transportation and Neonatal Critical Care, APHP, Hospital “Antoine Béclère”, Associate Professor of Neonatology, South Paris Medical School, Paris Saclay University Member, Research Team INSERM Unit U999, Physiopathology and Therapeutic Innovation, Paris Saclay University President – Elect of the European Society for Pediatric and Neonatal Intensive Care (ESPNIC) Member of the Vatican-Lancet Commission on the Value of Life Editor of the European Journal of Pediatrics Associate Editor of Respiratory Research President of the Association pour le Développement et la Recherche en Néonatologie – Paris Chair of the LAUNCH (Lung Ultrasound for Neonates and Children) Congress (Paris, France) External member, Dept of Infection and Epidemiology, Bronchial Diseases Team, INSTITUT PASTEUR (Paris, France) WHO Consultant (for neonatal COVID19)



VANESSA DE LUCA

Sede lavoro:	Université Rennes 1 (Francia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH4 The Human Mind and its complexity

I am a multidisciplinary researcher with international work experience in the domain of philosophy, cognitive science and public policy. I have a specific expertise in linking scientific knowledge with mental-health challenges and develop a theoretical model for the understanding and treatment of behavioral disorders. Beyond the expected scientific output, my central aim is to develop research to produce tangible research-driven services - for example, operational guidelines for experts, pedagogical toolkits, etc. - by working hand in hand with stakeholders, policy implementers, decision makers, or social workers.



LUCA DE' MEDICI

H-Index:	25
Sede lavoro:	Ecole Supérieure de Physique et Chimie Industrielles de la Ville de Paris (ESPCI) (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Condensed matter theory, strongly correlated electron systems

Not Available



SIMONA DE PETRIS

Sede lavoro:	X (Francia)
SSD:	12 - Scienze giuridiche
ERC:	SH1 Individuals, institutions & markets



ELISA DELL'AGLIO

Sede lavoro:	INSA INRA (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS9 Applied life sciences & biotechnology
Keywords:	gene editing, biochimica, enzimologia, insetti, epigenetica.

Elisa Dell'Aglio Researcher - insect/plant epigenetics, symbioses and physiology by biochemistry and genome editing. 2018-present Project Coordinator INSA Lyon - France Epigenetic regulation, symbiosis and genome editing in non-model insects with major impact on agriculture. 2014-2018 Project Coordinator Department of Botany and Plant Biology, University of Geneva Unravelling plant vitamin production with gene editing, protein-DNA binding tests, quantification of vitamin content by HPLC. Experience with several crops (rice, maize and tomato), cell cultures and in vitro plant growth. 2010-2013 PHD candidate CEA, CNRS, University of Grenoble Investigating protein-calcium networks involved in plant responses to environmental stress. Development of new assays to measure protein-protein affinities. Protein production and purification from bacteria and plants. 2008-2010 Master's degree Biomolecular Sciences 110/100 cum laude



CECILIA D'ERCOLE

Sede lavoro:	Ecole des Hautes Etudes en Sciences Sociales (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Mediterraneo antico, contatti culturali e economici, archeologia, storia, circolazioni

Già docente alle Università di Tolosa (1995-2001) e Paris I-Sorbonne (2000-2010), dal 2010 Professore ordinario all'Ehess, Parigi, : « Échanges et interactions culturelles dans la Méditerranée antique» ; Presidente dell'Associazione Francese di Storia Economica (AFHE) tra il 2013 e il 2016, -Visiting Scholar al Getty Research Institute, Los Angeles (2007), alle Università di Virginia (2017) e di Pechino (2018) Dal 2019 Direttrice del laboratorio AnHiMA (Anthropologie et histoires des mondes antiques) Formazione universitaria in Italia (Laurea in Lettere classiche, Scuola di Specializzazione in Archeologia) e in Francia (HDR, PHD, DEA) Monografie (Naissance de la Grèce. De Minos à Solon, 3200-510 av. J.-C., Paris 2019 ; Ambres gravés. La collection du Musée du Louvre, Paris, 2013 ; Histoires méditerranéennes. Aspects de la colonisation grecque en Occident et dans la Mer noire, Arles 2012; Importuosa Italiae litora. Paysage et échanges dans l'Adriatique méridionale, Napoli 2002).



FRANCESCO D'ERRICO

H-Index:	76
Sede lavoro:	CNRS (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	L-ANT/01 PREISTORIA E PROTOSTORIA

Francesco d'Errico is Director of Research of exceptional class with the Centre National de la Recherche Scientifique, University of Bordeaux and Professor at the Centre for Early Sapiens Behaviour, University of Bergen. His academic interests focus on the evolution of human cognition and the emergence of symbolic cultural practices in Africa and Eurasia, Neanderthal extinction, and the impact of climate change on cultural evolution. He has published hundreds of articles in high impact academic journals and is the author or editor of several research monographs. He is included since 2014 by Clarivate Analytics in the list of the world's most cited researchers. He was awarded an Advanced ERC grant in 2011 and a ERC Synergy grant in 2020.



CLAUDIO DETOTTO

H-Index:	12
Sede lavoro:	Università di Corsica Pasquale Paoli (Francia)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour SH3 Environment & society
Keywords:	Crime, DEA, Efficiency, Heath, Housing Market, Law & Economics, Productivity, Regional Economics, Social Economics, Wine

Claudio Detotto (Orcid Identifier: 0000-0003-3801-2202) is an Associate Professor of Economics at the Laboratoire UMR CNRS 6240 of the University of Corsica (France) and Associate researcher at CRENoS (Centre for North South Economic Research) in Sardinia (Italy). His research interests mainly concern the applied economic analysis of crime, paying particular attention to the effect of crime on the economy, and the determinants analysis of economic efficiency and productivity by using the non-parametric approach of Data Envelopment Analysis (DEA).



VINCENZO DI BARTOLO

H-Index:	23
Sede lavoro:	Institut Pasteur (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology LS6 Immunity & infection
Keywords:	Immunologia, linfociti T, biologia cellulare, signalizzazione intracellulare, imunologia dei tumori

Dr. Vincenzo DI BARTOLO, Staff Scientist, Lymphocyte Cell Biology Unit, INSERM U1224, Institut Pasteur, Paris, France. EDUCATION - 2007: Habilitation à Diriger des Recherches (HDR), Université Paris 5, France; 1996: Specialization in Biochemistry, University of Pisa; 1990: Degree (Laurea) in Biological sciences, University of Pisa. RESEARCH AND PROFESSIONAL EXPERIENCE - Since march 2006: Staff scientist in the Lymphocyte Cell Biology Unit, Institut Pasteur, Paris, France; 1999-2006: Staff scientist, Molecular Immunology Unit, Institut Pasteur, Paris, France; 1995-1999: Post-graduate fellow, Molecular Immunology Unit, Institut Pasteur, Paris, France; 1991-1994: Post-graduate fellow, Inst. of

Mutagenesis and Differentiation, CNR, Pisa. MAIN SCIENTIFIC INTERESTS - T cell biology, intracellular signaling, cancer immunology.



ROBERTO DI COSMO

Sede lavoro: Software Heritage / Inria (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE6 Computer science & informatics

An alumnus of the Scuola Normale Superiore di Pisa, with a PhD in Computer Science from the University of Pisa, Roberto Di Cosmo was associate professor for almost a decade at Ecole Normale Supérieure in Paris. In 1999, he became a Computer Science full professor at University Paris Diderot, where he was head of doctoral studies for Computer Science from 2004 to 2009. A trustee of the IMDEA Software institute, and member of the national committee for Open Science in France, he is currently on leave at Inria. His research activity spans theoretical computing, functional programming, parallel and distributed programming, the semantics of programming languages, type systems, rewriting and linear logic, and, more recently, the new scientific problems posed by the general adoption of Free Software, with a particular focus on static analysis of large software collections. He has published over 20 international journals articles and 50 international conference articles.



ALICE DI DONNA

H-Index: 11
Sede lavoro: UGA - Laboratoire 3SR (Francia)
SSD: 08 - Ingegneria civile e Architettura
ERC: PE10 Earth system science
Keywords: Geotecnica, geotermia, meccanica dei terreni e delle rocce

no available



FRANCESCA DI NUNZIO

H-Index: 17
Sede lavoro: Institut Pasteur (Francia)
SSD: 05 - Scienze biologiche
ERC: LS6 Immunity & infection
Keywords: Virology

ORCID ID : 0000-0003-2879-3164 RESEARCH ID : A-6153-2014 Publications in web of science Sum of times cited H-Index Avg citations per item Avg citations/year 29 1 154 17 39.8 82.4 EDUCATION 2017 Habilitation à diriger les recherches (HDR), Université Paris Diderot 7-Sorbonne 2006 Ph.D. in Medical Biotechnology, University of Verona & San Raffaele Institute Italy. 2001 University “Federico II” of Naples, Italy; degree with full honours (110 out of 110) RESEARCH AND PROFESSIONAL EXPERIENCE 2018 –to date Group leader, Pasteur Institute, Paris 2014 – 2017 Researcher, IP, Paris France 2015 Visiting scientist, IP, Uruguay 2009-2014 Post-doc fellow (FRM, Sidaction, ANRS), IP, Paris. 2006-2009 Post-doc fellow at the Dana Farber Cancer Institute & Harvard Medical School.



LUCIA DI VIZIO

Sede lavoro: CNRS (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

divizio.perso.math.cnrs.fr



MATTEO DI VOLO

H-Index: 10
Sede lavoro: Université de Cergy Pontoise (Francia)
SSD: 02 - Scienze fisiche
ERC: LS5 Neurosciences & neural disorders PE3 Condensed matter physics
Keywords: Complex Systems, Dynamical Systems, Computational Neuroscience

I have a formation in theoretical physics, master degree in the group of the Physics of Complex systems obtained at the University of Florence. Since my PhD in Physics at the University of Parma I work at the cutting edge between physics and biology. In my Postdoctoral works I have developed a tight interaction of my work with experimental neuroscience, working at Ecole Normale Superieure (Paris, FR) and at the CNRS (Gif sur Yvette, FR). I give lectures of dynamical system theory and mechanics in Italy (University of Parma) and France (course taught in French and in English at the University of Cergy Pontoise, where I work today). I supervised 2 master students and two research projects leading to international publications. I have been visiting various research centers (6 months IUPUI Indianapolis, USA and 2 months Max Planck Institute, Dresden Germany). I co-organised conferences in Statistical Physics (Parma, 2013-2014) and a spring school in Theoretical Neuroscience (Paris 2020).



CATERINA DONATI

Sede lavoro: Université de Paris (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH4 The Human Mind and its complexity
Keywords: linguistica

Caterina Donati è una linguista specializzata nella sintassi delle lingue naturali. Dopo un dottorato a Firenze e un postdoc a Ferrara ha insegnato per quasi dieci anni a Urbino per poi trasferirsi alla Sapienza Università di Roma. Si è dimessa dall'Università italiana nel 2014 per prendere servizio come professore ordinario all'Università Paris Diderot, oggi Université de Paris. Ha scritto cinque libri, una trentina di articoli su riviste peer reviewed e altrettanti capitoli in volume.



STEFANO EVANGELISTI

Sede lavoro: Université de Toulouse III - Paul Sabatier (Francia)
SSD: 03 - Scienze chimiche
ERC: PE3 Condensed matter physics
Keywords: Theoretical Chemistry

Not available



DAVIDE FACOETTI

Sede lavoro:	Laboratoire de Physique, École Normale Superieure (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics
Keywords:	Statistical physics, quantum many-body theory, field theory, random matrices

2019-20: Postdoctoral researcher, Simons collaboration on cracking the glass problem, ENS Paris 2015-18: CANES PhD Student, Department of Mathematics, King's College London Oct-Dec 2017: Visiting researcher, Chemistry (Reichman Group), Columbia University Education 2019: PhD Mathematics and Theoretical Physics, King's College London 2015: MSc Nonequilibrium Systems, King's College London 2014: MSc Theoretical Phyiscs, Università di Pisa 2014: Diploma di Licenza, Scuola Normale Superiore



GIANCARLO FAINI

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis PE8 Products & process engineering

Giancarlo Faini is the Head of the Centre de Nanosciences et de Nanotechnologies (C2N), a joint laboratory of the CNRS and the University Paris-Saclay. Research fields of interest are in mesoscopic physics, nanomagnetism and spintronics, development of new nanofabrication process and approaches, Science – Art collaborative projects Bio main key-positions: (1988 –) Research position at CNRS (2000 – 2008) Scientific head of the Nanotechnology platform of the L2M & LPN labs (2008 – 2010) Scientific delegate at the Institute of Physics (INP) of CNRS for Nanoscience & Nanotechnology (2010 – 2015) Deputy Director of the INP of CNRS for the Condensed Matter and Nanoscience (2011 – 2015) Deputy President of the Nanoscience Foundation of Grenoble (2015 – 2016) Head of the project of creation of the C2N (2016 –) Member of the Scientific Council of CEFIPRA (Indo-French Centre for Promotion of Advanced Research) (2016 –) Director of the C2N



MAURO FANCIULLI

H-Index:	10
Sede lavoro:	CY Cergy Paris Université (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	fotoemissione, magnetismo, spin, spettroscopia, laser

-



DAVIDE FARANDA

H-Index:	19
Sede lavoro:	CNRS (Francia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 04 - Scienze della terra
ERC:	PE3 Condensed matter physics PE10 Earth system science
Keywords:	Climatologia, Fisica dell'Atmosfera, Sistemi Dinamici, Turbolenza, Meccanica Statistica, Epidemiologia

Davide Faranda, 33 anni, é ricercatore a tempo indeterminato in fisica del clima per il Centro Nazionale della Ricerca Scientifica (CNRS) francese. é affiliato al Laboratoire des Sciences du Climat et de l'Environnement (Paris-Saclay), al London Mathematical Laboratory (Londra, Inghilterra) e al Laboratoire de Meteorologie Dynamique dell'Ecole Normale Supérieure di Parigi. Siciliano, fisico di formazione, dopo la laurea magistrale a Bologna ed il dottorato in Scienze della Terra tra l'università di Amburgo (Germania) e quella di Reading (Inghilterra), si é specializzato nello studio degli eventi estremi meteorologici. Si occupa in particolare di proiezioni climatiche future, cioé di capire se in futuro la probabilità e la frequenza di osservare eventi estremi (ondate di caldo e di freddo, tempeste e cicloni) cambierà a causa delle interferenze umane sul clima. Davide ha pubblicato piu di 70 articoli scientifici in riviste del calibro di Nature Communications, Sciences Advances e PRL.



MARCO FAUSTINI

Sede lavoro:	Sorbonne Universite (Francia)
SSD:	03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis

I come from Verona, an Italian city famous for its roman amphitheater « Arena », for the Opera festival, for Romeo and Juliet and for some excellent wines like Bardolino, Valpolicella and Amarone. I received my Master degree in 2008 after having worked for one year at the Helsinki University of Technology on protective sol-gel coatings for architecture. At the end of 2008, I moved to Paris at the Université Pierre et Marie Curie where I carried out my PhD research with Pr. Grosso on sol-gel films, deposition techniques and nanopatterning approaches for optics, data storage and nanofluidics. I pursuit my research as post-doc at , South Korea with Pr. D-P Kim. In 2012 I moved back to France as assistant professor at Sorbonne University, LCMCP Now I'm a researcher in material's science with a particular interest in nanomaterials, porous materials and optics. I'm also a teacher of chemistry and materials science at Sorbonne University (almost 200 hours /year).



ULISSE FERRARI

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders PE3 Condensed matter physics
Keywords:	Retina; Meccanica statistica; Machine learning; AAV; Spike generation

Ulisse works at the Institut de la Vision , Sorbonne Université. Ulisse does research in Computational Neuroscience and Theoretical Physics. His research activity focus on the collective behavior of neurons, and how neuronal networks encode and transmit information, either in the retina or in the cortex.



VULCA FIDOLINI

Sede lavoro: Université de Lorraine (Francia)
SSD: 14 - Scienze politiche e sociali
ERC: SH5 Cultures & cultural production

Not Available



MAURIZIO FILIPPONE

Sede lavoro: EURECOM (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE6 Computer science & informatics

...



ANTONELLA FORGANNI

Sede lavoro: ESSCA School of Management (Francia)
SSD: 12 - Scienze giuridiche
ERC: SH1 Individuals, institutions & markets
Keywords: EU Law, EU Space Policy, International Law, International Trade

Antonella Forganni graduated from Università degli Studi di Brescia (2003), and obtained the certificate of aptitude for the legal profession (Italian Bar Association, 2007) and the Doctorate in International Economic Law from Bocconi University (2010). Her thesis focused on the interaction between anti-dumping and the EU trade policy and external relations. She combined academic and professional experience as legal consultant for business associations. Selected for the EU Science and Technology Fellowship, she continued her research in China for two years (Beijing Normal University, 2010-2012) studying the EU-China trade relations. She joined the ESSCA EU-Asia Institute as an associate researcher and in 2015 the ESSCA School of Management as assistant professor and researcher. Since September 2017 she has been Head of Department. As from January 2020 she is associate professor. A native Italian speaker, she is fluent in English and French.



SONIA FORNASIER

H-Index: 51
Sede lavoro: Universite' de Paris (Francia)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: planetologia, asteroidi, comete, missioni spaziali

S. Fornasier is assistant professor at Universite' de Paris, researcher in planetology at the LESIA laboratory-Observatoire de Paris, and senior member of the Institut Universitaire de France. She is expert on spectroscopy, photometry and polarimetry of minor bodies of the Solar System (NEA, main belt asteroids, Jupiter Trojans, Centaurs, TNOs and comets).

She is the leader of the LESIA Planetology team since 2016. She has a high involvement in different Solar System space missions: instrument scientistist of the MIRS spectrometer for the JAXA-MMX mission, Co-I of the OSIRIS cameras and of SIMBIO-SYS instrument of the ESA-Rosetta and BEPI COLOMBO missions; Science Team Member NASA's OSIRIS-REX mission; associated scientist of JANUS instrument on JUICE mission and of VIRTIS spectrograph on Rosetta; member of European projects NEOSHIELD, NEOSHIELD 2, NEOROCK. She has published more than 250 articles in peer reviews journals, of which about 20 in prestigious journals.



ALESSSANDRA FRABETTI

Sede lavoro:	Université Claude Bernard Lyon 1 (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Fisica-matematica, Teoria quantistica dei campi, Algebre di Hopf per la rinormalizzazione, Gruppoidi di gauge

Alessandra Frabetti was born in Bologna in 1967 and has the italian nationality. She studied mathematics in Bologna and Heidelberg and got the Ph.D. degree in Mathematics in 1997. After few post-docs in Strasbourg and Lausanne, since 2001 she is Assistant Professor at the University Claude Bernard Lyon 1, and member of the Institut Camille Jordan UMR 5208 of CNRS, in the Math-Physics team. Her working activity includes - teaching tasks: besides usual duties she coordinates the math lectures for physicists and develops the use of tests and exams with full automated correction (AMC software); - local and national administration: several local hiring committees, CNU (2003-2010), ANR (2014-2016), CSI of INSMI (2019-2023); - research on algebraic and geometrical methods in quantum field theory: 20 peer reviewed papers or proceedings, over 30 invited conference talks and 50 seminar talks, coorganiser of 8 international meetings and member of 4 granted research teams.



ANNA FRABETTI

H-Index:	0
Sede lavoro:	Université de Strasbourg (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production

Anna Frabetti frabetti@unistra.fr Maître de conférences à l'Université de Strasbourg (Institut d'Etudes Romanes) 2004 Doctorat en Études Romanes (Italien) obtenu à l'Université de Paris IV - Sorbonne - L'italien, langue de migration vers l'affirmation d'une culture transnationale à l'aube du XXIème siècle, Coordonné par A. Frabetti et W. Zidaric, Nantes, Crini – Université de Nantes, 2006. - « Le magicien italien ». Pirandello et le théâtre français dans les années vingt et trente, Paris-Lausanne, L'Âge d'Homme, 2010. - Scrivere altrove. Letteratura e migrazione in Italia/ Ecrire ailleurs. Littérature et migration en Italie, sous la direction de A. Frabetti et L. Toppan, « Re(cher)ches, n. 10, 2013. - Pirandello oggi, a cura di A. Frabetti et S. Cubeddu-Proux, Pesaro, Edizioni del Metauro, 2017. -Studi per Vincenzo Consolo. "Con lo scrivere si può forse cambiare il mondo", sous la direction de A. Frabetti et L. Toppan, « Re(cher)ches, n. 21, 2018.



SILVIO FRANZ

Sede lavoro:	Université Paris-Saclay (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Fisica Statistica, Fisica Teorica

Not Available



FEDERICA FRATAGNOLI

Sede lavoro:	Université Côte d'Azur (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	danza / lettura e analisi del movimento

Federica Fratagnoli est enseignante-chercheuse en danse à l'Université Côte d'Azur, membre du laboratoire CTEL (Université Côte d'Azur) et membre associé de Musidanse (Université Paris 8). Alliant les méthodologies propres à l'analyse du mouvement et les techniques micro-phénoménologiques, elle étudie tout particulièrement les pratiques corporelles de l'Inde, et questionne les phénomènes de circulation de ces pratiques, par lesquels de nouveaux modes d'expression des altérités se produisent et se diffusent. Elle a co-dirigé avec Mahalia Lassibille l'ouvrage collectif Danser contemporain. Gestes croisés d'Afrique et d'Asie du Sud (Deuxième Epoque, 2018).



ANDREA GALLAMINI

H-Index:	55
Sede lavoro:	Centre Antoine Lacassagne – 33, Rue de Valombrose - 06189 Nice (France) (Francia)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Hodgkin Lymphoma – PET Imaging

Main Affiliation: A. Lacassagne Cancer Center. 33, Rue de Valombrose, 06189 Nice Cedex 2. France; Medical branch: Hematology. SERVICE RECORD: 14/10/1987 - 20/10/1989 senior assistant in the Internal Medicine Department in Cuneo Hospital- From 1989 to 1999 senior assistant in the Hematology Department of S. Croce Hospital in Cuneo. From 1999 to 2013 Head of the Hematology Department and Bone marrow transplantation in S. Croce Hospital in Cuneo. 01/11/2013 – onward: associated Hematology Professor at the Research, and Innovation Department of Antoine Lacassagne Cancer Center in Nice, France. CAREER TITLES: July 17th, 1975 Graduation in Medicine at Genoa University with full score (110/110 & scientific mention). 1978 Specialization in Clinical Endocrinology at Genoa University (1978), in Internal medicine at Pavia University (1983) and in Clinical Hematology at Genoa University (1986). In 1987 qualified at the National Board for Directors of Hematology Department with the score of 97/100.



SOPHIE GAY

Sede lavoro:	ANR (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health

2018 oct- on going: Scientific Project Officer, French National Research Agency (ANR). Scientific activity (Call secretariat, organisation of workshops and training activities, writing of strategic documents...) in the following European multilateral programs. Collaboration with MUR, ISS, MIPAAF. JPI HDHL (nutrition and Health) JPIAMR (Antibiotic Resistance) ERA-NET ICRAD (Animal Infectious deseases) 2011-2018: Post-doc researcher, IFOM (Milan-Italy), Team of the Prof Marco Foiani. Post-doc in Molecular and Cellular Oncology (Cell cycle control, DNA replication, Gene

expression). Author of 2 scientific articles (including one as a corresponding author in Molecular Cell, IF:15), one revue, and one commentary 2006-2010: PhD student, Curie Institute (Paris, France), Team of the Prof Michelle Debatisse. PhD in Molecular and Cellular Oncology (Cell cycle control, DNA replication, epigenetics). Author of 2 scientific articles (one in Nature -IF42- and one in Embo Reports-IF 7.5)



ALESSANDRO GENONI

Sede lavoro:	CNRS (Francia)
SSD:	03 - Scienze chimiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry PE4 Physical & Analytical Chemical sciences
Keywords:	Chimica Teorica, Cristallografia Quantistica, Chimica Quantistica, Chimica Computazionale

Not Available



ALBERTO GHIONE

H-Index:	4
Sede lavoro:	CEA - French Alternative Energies and Atomic Energy Commission ("Commissariat à l'énergie atomique et aux énergies alternatives") (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	fluid dynamics, nuclear, statistics

Doctor in engineering with a passion for energy and thermo-fluid dynamics. I love to work in an international environment. I have a broad experience in the thermal-hydraulic modelling and design of complex systems (such as nuclear power plants) and in data analysis and statistics. Currently working as research nuclear engineer at CEA, I am responsible for the qualification of the thermal-hydraulic code CATHARE for nuclear research reactors. During my Ph.D. studies in thermo and fluid dynamics, I have been involved in the international project for the construction of the Jules Horowitz Reactor (JHR) in France. My experiences allowed me to cultivate my communications skills, both written and oral. I have prepared and published scientific articles and reports, and I have been presenting at several international conferences.



GRAZIA GIACCO

H-Index:	0
Sede lavoro:	Université de Strasbourg (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Arte, musica, creazione

Grazia Giacco è musicologa, professore associato all'Università di Strasburgo (Francia) e insegnante alla Haute école des arts du Rhin. Membro dell'équipe UR 3402 ACCRA (Approches contemporaines de la réflexion et de la création artistiques), del CREAT (HEP, Lausanne) e dell'ITI LETHICA (Institut thématique interdisciplinaire, Littérature-Ethique-Arts, 2021-2028). Co-direttrice della collezione CREArTe (éditions EME, Louvain-la-Neuve). Consacra la sua ricerca ai

seguenti campi : analisi ed estetica della musica del XX e XXI secolo, « recherche-création » (artistic research), pedagogia e didattica della creazione artistica.



PAOLO GIACOBINI

Sede lavoro: INSERM (Francia)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS4 Physiology, Pathophysiology & Endocrinology LS5 Neurosciences & neural disorders

Paolo Giacobini obtained his Ph.D Degree in Neuroscience in 2005 at the University of Turin, Italy. This was a graduate partnership program between the University of Turin, Italy and the National Institute of Health (NIH), USA, where he spent several years during his PhD and Post-Doctoral formation. Since 2009 he's a group leader at the French National Institute of Health and Medical Research (INSERM) in Lille, France. He's currently a Research Director at Inserm and he leads a research team composed of basic scientists and clinicians. Dr. Giacobini has a broad background in the field of the neuroscience, neuroendocrinology and developmental biology. His team is interested in understanding the neuroendocrine basis of polycystic ovary syndrome (PCOS), which is the most frequent reproductive disorder affecting 10-18 % of women worldwide. This project is currently funded by an ERC-Consolidator Grant (acronym: REPRODAMH) that Dr. Giacobini obtained in 2016.



NICOLETTA GIAMBLANCO

H-Index: 12
Sede lavoro: Institute Européen des membranes Université de Montpellier (Francia)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences

Ricercatore accademico per piu di 10 anni in Italia, Francia, Belgio con competenze multidisciplinari che vanno dalla chimica, scienza dei materiali, nanotecnologia e biosensori capace di adattarsi velocemente ai nuovi ambienti multiculturali. Sincera, onesta, collaborativa e propensa il lavoro di gruppo il mio obiettivo oggi e' realizzarmi sfruttando al massimo le mie competenza tecniche e personali.



ANGELA GIANGRANDE

Sede lavoro: IGBMC-CNRS (Francia)
SSD: 05 - Scienze biologiche
ERC: LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders

Not available

STEFANO GIORDANO



H-Index:	24
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis
Keywords:	Continuum mechanics, Statistical mechanics, Homogeneization, Nanosystems, Multiferroics

Stefano Giordano was born in Genoa, Italy, on October 14, 1971. He received the “Laurea” degree in electronic engineering (summa cum laude) from the University of Genoa, Italy, in 1996, and the Ph.D. degree in materials science from the University of Trento, Italy, in 2000. He subsequently joined the Department of Physics of the University of Cagliari, Italy. Since October 2010, he has been CNRS Senior Researcher at the Institute of Electronics, Microelectronics and Nanotechnology (IEMN), Villeneuve d’Ascq, France. He is working within the AIMAN team, which is part of the International Associated Laboratory LEMAC/LICS on Critical and Supercritical Phenomena in Functional Electronics, Acoustics and Fluidics. His research interests include homogenization methods for heterogeneous materials and structures, multiphysics and multiscale modeling of the thermo-magneto-electro-elastic response of multiferroic materials and spintronic structures, and statistical mechanics of small systems.

VALENTINA GIORDANO



H-Index:	22
Sede lavoro:	Institut Lumière Matière (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	thermal science, phonons, nanocomposites, energy

I have studied Physics of condensed matter at the University of L'Aquila (1996-2002) and then I got a PhD position at the LENS laboratory in Florence, in co-supervision with the IMPMC laboratory in Paris, on the topic of the high pressure high temperature phase diagram of carbon dioxide. I got then a postdoc position at the European Synchrotron Radiation Facility (ESRF) in Grenoble in the Inelastic X ray scattering beamline, on the phonon dynamics in liquid metals at high pressure and high temperature. During this period I started working on phonon dynamics in disordered systems. I remained there with a scientist contract for 2 years more and in 2010 I got a CNRS position at the Institut Lumière Matière in Lyon. Since then I develop my research activity on the microscopic understanding of thermal transport in complex crystals, and nanostructured materials, using both laboratory techniques and large scale facility techniques, to relate phonon properties and thermal conductvity.

ELISABETTA GIUFFRA



Sede lavoro:	INRAE (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology

E.G., biologist, obtained her PhD in molecular genetics in 1993. Since then she worked on different topics of farm animal genomics across Italy, France, Sweden and the U.K. Since December 2010 she works in France at INRAE (GABI Unit, Jouy-en-Josas) where she continues her research on the genomics of host (pig) response to viruses, manly by trascriptional

genomics approaches. Since her appointment as permanent senior scientist (DR2) in Feb. 2015 she primarily works in the context of the "Functional Annotation of Animal Genomes" (FAANG) initiative (www.faang.org), for which she co-coordinates the Steering Committee. Since July 2019 she coordinates the H2020 FAANG project GENE-SWitCH (The regulatory GENomE of SWine and CHicken: functional annotation during development ; www.gene-switch.eu). Recent activities are centered on the use of in vitro systems (organoids) to unravel genotype-to-phenotype relations and for in vitro phenotyping of immune-related traits in farmed animals.



DOMENICO GRAMMATICO

H-Index: 1
Sede lavoro: UPPA (Francia)
SSD: 03 - Scienze chimiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Artificial photosynthesis

Early stage researcher - MSCA - eSCALED project working in artificial photosynthesis



FRANCESCA GRAZIANO

H-Index: 6
Sede lavoro: SANOFI (Francia)
SSD: 05 - Scienze biologiche
ERC: LS6 Immunity & infection
Keywords: Immunologia

Not available



ROBERTO GRILLI

Sede lavoro: CNRS - Institut des Géosciences de l'Environnement (IGE) (Francia)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science

At the interface between physics and environmental sciences, I am promoting innovative experiments, employing optical techniques, for investigating climate-geochemistry coupling at different time scales and in different media: atmosphere, ice and water. http://pp.ige-grenoble.fr/pageperso/grillir



ALESSIA GUARDASOLE

Sede lavoro: CNRS (Francia)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH6 The study of the human past

Vedi allegato



JANET HETMAN

Sede lavoro: CRENAU (Francia)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH3 Environment & society

Architetto, ricercatore e insegnante.



MARIA IMPEDOVO

Sede lavoro: Aix Marseille University (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH4 The Human Mind and its complexity
Keywords: Educazione

MARIA ANTONIETTA IMPEDOVO è Professore Associato (Maitre de Conference) presso il Dipartimento di Scienze dell'Educazione dell'Aix-Marseille Université in Francia. Laureata in Psicologia presso l'Università degli Studi di Bari nel 2008, ha conseguito il Dottorato di Ricerca in Technologie dell'Educazione presso l'Università degli Studi di Macerata nel 2013. I suoi interessi di ricerca includono i processi di insegnamento e di apprendimento mediati dalla tecnologia, l'analisi delle interazioni verbali e dei processi collaborativi nelle comunità di apprendimento.



ALESSIO IOVINE

Sede lavoro: CNRS (Francia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering
Keywords: Automatica, controllo, reti elettriche, controllo del traffico, ottimizzazione, veicoli autonomi,

Alessio Iovine is a Researcher with CNRS and a member of L2S, Paris-Saclay University. He received the European Doctorate degree in Information Science and Engineering in 2016 from University of L'Aquila, in collaboration with CentraleSupélec, Paris-Saclay University. From 2016 to 2020 he held Post-Doctoral Researcher positions at Efficacity, University of L'Aquila, University of California at Berkeley and CentraleSupélec, Paris-Saclay University. His research interests are related on advanced control and optimisation methods for power and energy systems and traffic control, with smartgrids, integration of renewables and storage devices, autonomous vehicles and cooperative intelligent transportation systems as core applications.



SERENA IVALDI

Sede lavoro: INRIA (Francia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE6 Computer science & informatics PE7 Systems & communication engineering
Keywords: robotica

I am a tenured research scientist (chargé de recherche – CR) in INRIA Nancy Grand-Est and LORIA since 2014, working in the project-team LARSEN, directed by Francois Charpillet. Before joining Inria, I was a postdoc in the Intelligent Autonomous Systems Lab of TU Darmstadt (Germany), with Jan Peters, and in the Institute of Intelligent Systems and Robotics (ISIR) in Paris (France), with Olivier Sigaud and Vincent Padois. I obtained my PhD at the Italian Institute of Technology in Genoa (Italy) with Francesco Nori and Giorgio Metta in 2011. My research is currently focused on robots collaborating with humans. I am interested into combining machine learning with control to improve the prediction, adaptation and interaction skills of robots. I strongly believe in user evaluation, i.e., making potential end-user evaluate our technologies, to improve usability, trust, acceptance.



VALERIO LAGHI

Sede lavoro:	Institute Pasteur (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection
Keywords:	Host-patogen, interaction, immunity, virus, pathogen, bacteria, regeneration, zebrafish, mouse, SARS-COV2, Yersinia Pestis, Sindbis, Arbovirus, Shigella, Legionella

After my master degree in 2018, I pursued my studies with a Marie-Curie ITN PhD (imageinlife.eu) in Institut Pasteur (Paris), under the supervision of Dr. Jean-Pierre Levraud and Dr. Emma Colucci, in immunology and host pathogen interaction in zebrafish. In the frame of this project I studied the interaction of this model with pathogens such as Sinbis virus, Sars-CoV2, Rabies, legionella, shigella, Yersina pestis ed e.coli. Prior to this, I studied the effect of hdac inhibitors on muscle regeneration in dystrophic (mdx) mice in CNR under the supervision of Dr. Francesca De Santa. My field of expertise pivot around immunology, host-pathogen interaction, microscopy and image analysis. As a personal interest I developed my knowledge in biotech, bio-entrepreneurialship and start-upping. Furthermore, I was president of the Early researcher association in Institut Pasteur and part of the organizing commitee of GDR Imabio.



EMILIANO LANCINI

Sede lavoro:	école superieure d'electronique d'ouest (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations PE6 Computer science & informatics
Keywords:	Ottimizzazione Combinatoria, Ricerca Operativa, Programmazione Matematica, Teoria dei Grafi

Emiliano Lancini is currently a Enseignant-Chercheur (university lecturer and researcher) at ESEO - Paris. He previously worked as ATER (fixed-term lecturer) at Université Paris Dauphine. Emiliano obtained his PhD in 2019 at Université Sorbonne Paris Nord, with a thesis titled On TDIness and Multicuts. His domain of expertise are Combinatorial Optimization, Mathematical Programming, and Polyhedral combinatorics. Currently, Emiliano published 1 Journal Paper and 1 Conference Paper.



SILVIA LASALA

H-Index:	11
Sede lavoro:	Université de Lorraine (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Keywords: Energy Engineering

I carried out my university and doctoral studies at the Politecnico di Milano mainly, where I received my Ph.D. in 2016, defending a doctoral thesis entitled "Advanced cubic equations of state for accurate modelling of fluid mixtures. Application to CO2 capture system". In the years 2016-2018, I realised my postdoctoral studies at the laboratory "Laboratoire Réactions et Génie des Procédés" (LRGP, in Nancy, France) working on the kinetic modelling of hydrogen liquefaction process and on the thermodynamic modelling of fluids used in organic Rankine cycles. In the 2018, I have been employed by University of Lorraine (UL), as a fixed-term assistant professor, working as a teacher as ENSIC-UL ("École Nationale Supérieure des Industries Chimiques"-"Université de Lorraine") and as a researcher at LRGP. My main research activity is currently focussed on the definition of novel and efficient power cycles.



GIUSEPPE LEO

H-Index: 36
Sede lavoro: Université Paris Cité (Francia)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics
Keywords: ottica non lineare, nanofotonica, ottica integrata, tecnologie quantistiche

G. Leo has been with Roma Tre University as assistant professor (1992-2002) and associate professor (2002-2004), and visiting scientist at CSELT (1994-1995) and Thomson-CSF (1998). Since 2004 he has been full professor at Université Paris Cité (formerly Paris 6), where he has coordinated the Nonlinear Optical Devices group of MPQ since 2006 and directed the EIDD School of Engineering, which he founded in 2010. His research is in nonlinear optics, with a focus on AlGaAs integrated optics, and his present interests include quantum and nonlinear nanophotonics. OSA Fellow since 2019, he has coordinated and participated in several national and EU research programs. Prof. Leo co-chaired SPIE Photonics West and OSA MICS conferences, and is member of the editorial board of Opto-Electronic Advances. He published >130 articles, 2 books and 14 book chapters, he gave >290 conference presentations (of which 85 invited and 3 keynote), and registered 4 patents (>4k citations).



LEO LIBERTI

H-Index: 43
Sede lavoro: CNRS (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations PE6 Computer science & informatics
Keywords: mathematical optimization, distance geometry, computational linguistics, industrial mathematics

Leo Liberti obtained his Ph.D. in Global Optimization at Imperial College London, held postdoctoral fellowships at Politecnico di Milano and Ecole Polytechnique in France, where he became professor and vice-president of his department. After two years as a Research Staff Member at IBM Research in New York, he was recruited by CNRS as a Research Director and by Ecole Polytechnique as a part-time professor. His main research interests are mathematical programming with applications to industrial problems, optimization algorithms, and distance geometry.

VALENTINA LIBRI



H-Index:	19
Sede lavoro:	Institut Pasteur (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection
Keywords:	Molecular Biology; Immunology; Single Cell OMICS; technologies; teaching;

I am responsible for molecular profiling and singe-cell RNAseq at the Cytometry and Biomarker UTechS (https://research.pasteur.fr/en/tool/single-cell-genomics/) at the Institute Pasteur, a technology platform committed to support biomedical research through cutting-edge technologies. Prior to joining the CB UTechS I carried out academic research on immune memory and ageing in host-pathogen interaction, at the Pasteur institute first and at the University College London then. At the University of Edinburgh I investigated further the molecular mechanism of host-pathogen interaction and the role of non-coding RNAs during viral infection. I significantly contributed to the set up and success of the “The Milieu Intérieur” Project (http://www.milieuinterieur.fr/en), an international project aiming at defining the genetic and environmental determinants of immune phenotype variance, establishing a path towards personalized medicine.

BEATRICE LIETZ



H-Index:	3
Sede lavoro:	Ministère de l'Éducation Nationale (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	storia romana, religione

Dopo aver condotto i miei studi superiori alla Scuola Normale Superiore di Pisa, mi sono trasferita in Francia nel 2011 nel quadro di un dottorato in cotutela (Scuola Normale Superiore di Pisa - École Pratique des Hautes Études di Parigi). Dal 2011 al 2013 au lavorato al Collège de France, comme ATER sulla cattedra di John Scheid (Réligion et société de la Rome antique). Dal 2013 insegno Francese, Latino e Greco nella scuola francese (ho lavorato dapprima alle medie, poi al liceo) e nel 2017 ho ottenuto l'agrégation di Lettere Classiche. Nel 2019 ho discusso la tesi, dal titolo « Per uno studio della religione in Sicilia all'epoca repubblicana : la Sicilia vista da Roma nelle Verrine di Cicerone » (relatori Carmine Ampolo per la SNS e John Scheid per l'EPHE).

FRANCESCO LISSONI



Sede lavoro:	Université de Bordeaux (Francia)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets

N.A.



SIMONA LOMBARDO

Sede lavoro:	Laboratoire d'Astrophysique de Marseille (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Strumentazione astronomica, telescopi, tecnologie, cosmologia

Not Available



GIUSEPPE LONGO

Sede lavoro:	CNRS - Ecole normala supérieure, Paris (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	fondamenti matematica, informatica, epistemologia delle nuove interfacce (fisica, biologia)

Giuseppe Longo est mathématicien de la logique et de la calculabilité et épistémologue (DR-CNRS, Ecole Normale Sup, Paris; adjunct professor, School of Medicine, Tufts U., Boston). Auteur d'une centaine d'articles et de quatre livres, dont beaucoup en collaboration avec des mathématiciens, des physiciens et des biologistes, il a été responsable d'un projet à l'IEA de Nantes sur le concept général de loi (voir le volume "Lois des dieux, des hommes et de la nature", Spartacus IDH, 2017). Depuis une quinzaine d'années, son activité porte sur les relations entre mathématiques et sciences de la nature, en particulier la biologie évolutive et des organismes. Son projet actuel développe une épistémologie des nouvelles interfaces explorant les corrélations historiques et des alternatives à la nouvelle alliance entre formalismes computationnels et gouvernance de l'homme et de la nature par les algorithmes et par des "méthodes d'optimalité" prétendument objectives: https://www.di.ens.fr/~longo



STEFANO LUCA

Sede lavoro:	Université de Strasbourg (Francia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH5 Cultures & cultural production
Keywords:	sound design, soundscape design, urban design, sonic environment design, ambiance, sonic architecture

Architect and sound designer. Master's degree in Architecture (University IUAV, Venice) and in Music and New Technologies (Conservatory of Florence), he developed the ability to conceive the urban environment by intersecting the perspective of the architect, the sound designer and the interaction designer. He applies his ability in many interdisciplinary activities. As Researcher, he is developing a PhD at the University of Strasbourg, focussing on participatory soundscape design process for two open-air museum cities (Venice and Strasbourg), aiming to enhance their urban and architectural heritage and activate positive relations among visitors and inhabitants. As Sound designer and composer, he creates soundscapes for exhibitions, music for ballet and sounds for interactive design objects. As music educator, he conceives innovative learning environments addressed to children, to teens and to university students. As lecturer, he teaches Sound Design at the University of San Marino.



CLAUDIA LUNGHI

Sede lavoro:	CNRS (Francia)
SSD:	05 - Scienze biologiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	Neuroscienze; Visione; Plasticità; Psicofisica

Not available



GABRIELE MAINETTI

Sede lavoro:	Centre de Calcul IN2P3 / CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE6 Computer science & informatics PE9 Universe sciences

Dopo aver conseguito una laurea in Astronomia, seguita da un dottorato in Astronomia presso l'Università di Padova, ho lavorato a livello del ground segme per l'osservatorio spaziale Herschel, per eLISA/LISA e attualmente per la missione Euclid. Ho potuto sviluppare diverse competenze tecniche (R, Bash, Python, pySpark e Hadoop, Java, Docker, Singularity), lavorando in team di ricerca internazionali con responsabilità manageriali e scientifiche di alto livello. Attualmente lavoro presso il Computing Center de l'IN2P3 (CC-IN2P3) dove mi occupo della missione Euclid.



ALESSANDRO MANACORDA

Sede lavoro:	LPENS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

Postdoctoral researcher in theoretical physics at LPENS, Paris France (2018-present) Mathematichs and Physics teacher at High School Charles Darwin, Rome, Italy (2017-2018) Ph.D. student at Rome University Sapienza (2013-2017) Qualification for high school teaching at Naples University Federico II (2015) MSc in Theoretical Physics at Rome University Sapienza (2010-2012) BSc in Physics at Rome University Sapienza (2007-2010) Research interests: out-of-equilibrium statistical mechanics. Granular matter. Active matter. Glass transition. Dynamical mean field theory. Lattice models. Fluctuating Hydrodynamics. Stochastic processes. Numerical methods and simulations.



SALVATORE MANGIAFICO

Sede lavoro:	Université de Lyon/École Nationale des Travaux Publics de l'État (Francia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Material Characterization, Construction Materials, Thermomechanical behaviour, Rheology, Pavement Materials, Pavement Structures, Roads, Railways, Airports

Assistant Professor ("Chargé de recherche") at the Université de Lyon/École Nationale des Travaux Publics de l'État (ENTPE), in the Laboratoire de Tribologie et Dynamique des Systèmes (LTDS), Mixed Research Unit of CNRS (UMR CNRS 5513). EDUCATION 06/2014: PhD in Civil Engineering – Université de Lyon/ENTPE (France) 12/2009: MS in Civil and Environmental Engineering – University of Wisconsin-Madison (USA) 10/2007: MS in Civil Engineering – Politecnico di Torino (Italy) 12/2004: BS in Civil Engineering – Politecnico di Torino (Italy) PROFESSIONAL 10/2017-ongoing: Assistant Professor – Université de Lyon/ENTPE, LTDS (UMR CNRS 5513) 10/2016-06/2017: Post-doctoral fellowship – Université Claude Bernard Lyon 1, IUT Lyon 1, Laboratoire des Matériaux Composites pour la Construction 07/2014-06/2016: Research Fellow – CNRS (at LTDS) 05/2010-05/2014: Research Engineer (during PhD) – Eiffage Travaux Publics 01/2008-12/2009: Research Assistant – University of Wisconsin-Madison



DAVIDE MANO

Sede lavoro: Université de Strasbourg (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH6 The study of the human past
Keywords: Rivoluzione francese, Ebrei, Toscana

Davide Mano is an historian and a specialist in Jewish studies. He holds a Laurea in Hebrew language and literature from Ca' Foscari University of Venice and a PhD in history from Tel-Aviv University. His doctoral dissertation was titled "Tumults in Pitigliano in 1799. Popular resistance and anti-Jewish violence". In 2016-2018 he has been a postdoctoral researcher at the Centre de recherches historiques of the EHESS in Paris with a projet focused on Jewish memories of the Italian Revolutionary and Napoleonic periods. He is currently an Attaché temporaire à l'Enseignement et à la Recherche (ATER) at the Département d'études hébraïques et juives of the Université de Strasbourg, where he teaches Hebrew literature and Jewish history. He is the author of several articles on Italian Jews and is writing his first book on Pitigliano Jews in 1799.



DARIO MANTOVANI

Sede lavoro: Collège de France (Francia)
SSD: 12 - Scienze giuridiche
ERC: SH6 The study of the human past
Keywords: Diritto romano - Storia del pensiero giuridico europeo - Storia delle Università - Lingua del diritto

Storico del diritto romano. Dal 1 novembre 2018 è Professore al Collège de France, cattedra « Droit, culture et société de la Rome antique ». Autore di circa 120 pubblicazioni. Ha ottenuto nel 2013 l'Advanced Grant ERC per il progetto di ricerca Redhis. E' Presidente del Comitato Scientifico dell'Ecole française de Rome (2020-2023). Vicepresidente della Société internationale de bibliographie classique. Dal 1997 è stato ordinario (ora in aspettativa) di Istituzioni di diritto romano presso l'Università di Pavia, dove ha insegnato anche "Lingua del diritto: formazione, uso, comunicazione" e dove dirige il Centro studi e ricerche sui diritti antichi (Cedant), scuola post-dottorale internazionale. Insegna anche Storia delle Istituzioni Tardo Antiche presso il Bachelor of Arts in "Lingua, letteratura e civiltà italiana" – Università della Svizzera Italiana (Lugano), dal 2016. E' socio corrispondente straniero dell'Académie des Inscriptions et Belles-Lettres. Dirige la rivista Athenaeum.



ALESSANDRO MANZOTTI

Sede lavoro:	Sorbonne Université (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Fotosintesi, Biofisica, Biochimica, Microalghe, Diatomee, Cronobiologia, Orologio circadiano

Not available



MASSIMILIANO MARANGOLO

Sede lavoro:	Sorbonne Université-CNRS; Institut des Nanosciences de Paris (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Magnetism, thin films, electronic properties, syncrotron radiation,spintronics

Birthdate 12/10/1968 (Bologna) Full professor at Sorbonne Université. Research activity at the Institut des Nanosciences de Paris, joint CNRS and SU laboratory (Paris, France). ♣ Head of INSP (~180 people). ♣ Responsible of master 'Sciences des matériaux et nanobjets' (~60 students) ♣ Co-responsible of Nanoandes: Collaboration between French and South American Research institutions. http://www.cnrsrio.org/action-structuree/irn-nano-andes/ ♣ Head of LIA-LIFAN (Laboratoire franco argentin du CNRS, 2010-2016) EDUCATION Laurea at Bologna University. DEA Physique des Solides (Paris Sud University) PhD Thesis at Paris Sud University, HDR Université Pierre et Marie Curie 2010



GIOVANNI MARCHIORI

H-Index:	144
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

I am a permanent researcher at Centre National de la Recherche Scientifique, France. I work on experimental high-energy physics since my undergraduate thesis in 2000-2001 at University of Pisa and Scuola Normale Superiore of Pisa. In my career I focused first on CP violation and QCD measurements in the B-meson system with the BABAR experiment, and later on Standard Model photon cross sections, Higgs boson search, discovery and property measurements (in diphoton, Z+photon and bb final states) and new physics searches with the ATLAS experiment. I have also worked on ATLAS detector performance (photons and b-jets) and on silicon detector R&D construction, operation and data quality in BABAR and in ATLAS. I am the responsible of the ATLAS-tracking team of the Laboratoire de Physique des Hautes Energies in Paris. My current work focuses on the analysis of the ATLAS data for Higgs boson property measurements in the bb and diphoton channels, and on R&D on the future ATLAS tracker (ITk).



PAOLA MARINI

H-Index: 16
Sede lavoro: CNRS (Francia)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: fisica nucleare

2019 Contratto ricercatore a tempo indeterminato CNRS, Francia 2016-2019 Contratto ricercatore tempo determinato CEA/DAM, Francia 2013-2016 Contratto ricercatore tempo determinato CNRS a CENBG, Francia 2012-2013 Contratto ricercatore a tempo determinato CNRS a GANIL, Francia 2010-2011 Post-doc a Cyclotron Institute, Texas A&M University, USA 2009 Post-doc CEA a GANIL, Francia 2006-2009 Tesi di dottorato in fisica nucleare sperimentale (Univ. Bologna) 2005 Tesi di Laurea, Università di Firenze, Fisica Nucleare e subnucleare



MANUELA MARTINI

Sede lavoro: Université Lumière Lyon 2 (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH6 The study of the human past

Manuela Martini is professor of modern history at the Université Lumière Lyon 2 and member of the Institut Universitaire de France (2020-2025). She belongs to several scientific organizations, commissions and advisory boards in France and Italy and is currently the president of the French economic history association AFHE-Association Française d'Histoire Économique (2019-2022). She has published extensively in French, Italian, Spanish, German and English and authored or edited more than twenty books or journals' special issues on European economic history, labour international migrations, family and gender history. Her recent publications include : Bâtiment en famille. Migrations et petite entreprise en banlieue parisienne au XXe siècle, CNRS Éditions, 2016 and the special issue "Coping with crisis: labour markets, institutional changes and household economies", with C. Borderias, Continuity and change, 2020/1. For further details see http://larhra.ish-lyon.cnrs.fr/membre/506 .



MARCO MARTINI

H-Index: 26
Sede lavoro: Institut Polytechnique des Sciences Avancées, Ivry-sur-Seine (Francia)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: Fisica nucleare teorica, Fisica dei sistemi a molti corpi, Fisica del neutrino

9/2019-presente : Insegnante-ricercatore a tempo indeterminato, Institut Polytechnique des Sciences Avancées, Ivry-sur-Seine, Francia. 1-6/2019: Consulente Big Data/Machine Learning, Ipanema Consulting Parigi, Francia. 10-11/2018: Insegnante di matematica e fisica, Istituto Statale Italiano Leonardo Da Vinci, Liceo Scientifico, Parigi, Francia. 10/2015-9/2017: Ricercatore a tempo determinato, CEA-IRFU, Saclay, Francia. 10/2013-9/2015: Ricercatore postdoc, Ghent University, Belgio. 1/2012-9/2013: Ricercatore postdoc, Université Libre de Bruxelles, Belgio. 11/2009-10/2011: Ricercatore a tempo determinato, CEA-DAM, Arpajon, Francia. 11/2007-8/2009: Insegnante-ricercatore (ATER), Université Claude Bernard Lyon 1, Francia. 9/2005-10/2007: Assegnista di Ricerca, Università del Salento, Lecce, Italia. 12/2004-7/2005: Ricercatore postdoc, Institut de Physique Nucléaire de Lyon, Francia.



MATTEO MARTINI

Sede lavoro:	Université Claude Bernard Lyon 1 - Ecole Normale Supérieure de Lyon (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	fluorescence, nanotechnologies, bioinorganics, crude oil exploitation

Associate professor at the UCBL (Lyon- France) since 2010, he has worked on the development of TRF techniques for environmental tracing and developed joint research with industrial players (including Total SA, Nano-H, Axint, Mexel, Italmatch, Glincs, Mexbrain). He is scientific chief of spin off - laboratory projects (2014- 2018 OSEO-BPI Panda, 2016 – 2022 NH Theraguix, 2017 – 2022 Mexbrain) and co-director of 5 PhD theses.



ARIEL MATALON

H-Index:	6
Sede lavoro:	Laboratoire de Physique Nucléaire et des Hautes Energies, Sorbonne Université (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Dark Matter, Charge-Coupled Devices (CCDs)

I am a particle astrophysicist by training, and have a decade of research experience driving the design and implementation of novel camera technologies for high-impact astrophysics experiments. I completed my PhD in late 2021, defending my thesis on "Searching for Light Dark Matter with DAMIC at SNOLAB and DAMIC-M: Investigations into Radioactive Backgrounds and Silicon Skipper Charge-Coupled Devices". I adopted a unique path towards my PhD: I am the first-ever to graduate with an international dual-PhD between the University of Chicago and Sorbonne Université. After completing projects in both the energy sector and consulting, including an internship at Bain & Company, I decided to move into the private sector. I am currently based in Paris, working on financial analyses for investment opportunities of companies in the software and technology space. I am also an incoming Associate at McKinsey & Company's New York office; I will start at the firm in 2023.



SIMONA MEI

H-Index:	60
Sede lavoro:	Université de Paris (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Fisica, Astrofisica

Professor at Université de Paris

ANNARITA MICCIO



H-Index:	19
Sede lavoro:	Fondazione Imagine-Unita' INSERM 1163 (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS7 Diagnostic tools, therapies & public health
Keywords:	terapia genica

vedi pdf

SAMANTHA MICCIULLA



Sede lavoro:	Institut Laue-Langevin (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE3 Condensed matter physics
Keywords:	Chimica fisica delle interfacce

My research activity deals with the design, preparation, and structural characterization of nano-assemblies at solid and liquid interfaces to create model interfaces of technological and biological relevance. I rely on adapted preparation methods (silanization, polymer self-assembly, surface grafting of amphiphiles and surface-initiated growth of polymers and polyelectrolytes) and on the valuable synergy between chemical characterization (X-ray photoelectron spectroscopy), scattering (X-ray and neutron reflectometry, ellipsometry), imaging (atomic force, Brewster angle, and fluorescence microscopy) and adsorption techniques (quartz-crystal microbalance with dissipation monitoring, Langmuir isotherms). Furthermore, I work on the development of adapted experimental setups to achieve enhanced instrument performance (fast temperature distribution and low background), and new strategies to study mutually interacting interfaces under controlled separation distances.

ANNA MIGLIAZZA



Sede lavoro:	Servier (Francia)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Oncology

• Biologist drawing from a remarkable international scientific experience in academic oncology/hematology-focused research, matured considerable practice and increased responsibility in new drug R&D, as Head of External Research (Search & Evaluation function) and then as Director of External Opportunities, Oncology, in mid/big size international Pharmaceutical Companies • Familiar with R&D process and due diligence/evaluation criteria, proved acumen in scouting for and implementing in matrix organization valuable pipeline opportunities becoming profitable assets and potential innovative drugs • Relational ease and extensive networking with the scientific/medical community to proactively identify external liaisons and collaborations matching outstanding needs of non-clinical and clinical programs • Successfully completed an MBA to support continuous strategic and analytical valuations and vision



GIULIANO MILANI

Sede lavoro: Université Gustave Eiffel (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH5 Cultures & cultural production SH6 The study of the human past
Keywords: Comuni italiani, Archivi, Palazzi comunali, Dante Alighieri

Già ricercatore alla Sapienza Università di Roma, Giuliano Milani è professeur d'Histoire du Moyen Âge all'Université Gustave Eiffel (Université Paris Est Marne-la-Vallée), membro del laboratoire Analyse Comparée des Pouvoirs e responsabile de Master Histoire. S'interessa ai comuni italiani nel Medioevo, all'esclusione dei nemici politici, agli usi pratici delle scritture e delle immagini e alla vita di Dante Alighieri. Tra le sue pubblicazioni L'esclusione dal comune. Conflitti e bandi politici a Bologna e in altre città italiane tra XII e XIV secolo, Roma, Isime 2003; I comuni italiani. Secoli XII-XIV, Laterza, Roma-Bari 2005; L'homme à la Bourse au cou. Généalogies et usage d'une image médiévale, Rennes, PUR, 2019. In collaborazione con T. De Robertis, L. Regnicoli, et S. Zamponi ha curato il Codice diplomatico dantesco, in Nuova Edizione Commentata delle Opere di Dante, VII. Opere di dubbia attribuzione e altri documenti danteschi, t. III, Salerno Editore, Roma 2016.



LORETO MISURACA

Sede lavoro: Institut Laue Langevin (Francia)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences

Dottorando presso l'Institut Laue Langevin, Université Grenoble Alpes (FR). Titolo della tesi: Protomembranes at the origin of life.



ANTONIO MONARI

H-Index: 31
Sede lavoro: Université de Paris (Francia)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences
Keywords: Theoretical chemistry, photobiology, DNA lesions

He is presently full professor at the Université de Paris and CNRS after serving as associate professor at Université de Lorraine Nancy, France.. He is interested in the development and use of multiscale methods, including QM/MM and non-adiabatic dynamics, to study photophysical and photochemical phenomena taking place in complex (biological) environments. He is also interested in describing the structural and dynamical behavior of complex biological architectures submitted to external stress sources via enhanced sampling molecular dynamics and free energy techniques. He particularly tackles DNA photolesions induction and repair, the photosensitization of other biological systems, such as vision related proteins, and the photophysics of organometallic compounds. He is author of more than 150 publications and is member of the executive committee of the FrenchSociety of Photobiology, and of the CNRS "Comité National" for physical chemistry and numerical methods in biology

FLAVIA MORANDINI



Sede lavoro:	Università Bordeaux Montaigne (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Italia preromana, etruscologia, artigianato artistico, iconografia, scultura, epigrafia, ceramica, collezionismo e mercato antiquario XVIII-XIX secolo

Not available

MARCO MORANI



Sede lavoro:	Institut Galien Paris-Saclay - UMR CNRS 8612 (Francia)
SSD:	03 - Scienze chimiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

PhD Candidate at Institut Galien Paris-Saclay with a Master degree in Industrial Pharmacy from University of Milan. Area of expertise: separation techniques and extracellular vesicles isolation and characterization.

ALESSANDRO MORBIDELLI



H-Index:	75
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences

Laurea in Fisica all'Universitá di Milano, 1988 Dottorato in Matematica all'Universitá di Namur (B), 1991 attualmente: direttore di ricerca al CNRS presso l'Osservatorio della Costa Azzurra, Nizza campo scientifico: Astronomia, planetologia, meccanica celeste

DOMENICO NARDIELLO



H-Index:	21
Sede lavoro:	Laboratoire d'Astrophysique de Marseille (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astronomy

CURRENT POSITION 2019 – Post-doc CNES, Laboratoire d'Astrophysique de Marseille, France PREVIOUS POSITIONS 2015 – 2019 Post-doc Dipartimento di Fisica e Astronomia "G. Galilei", Università degli Studi di Padova, Italy FELLOWSHIPS 2019 – 2021 Centre National d'Etudes Spatiales (CNES) Research Fellowship, Laboratoire d'Astrophysique de Marseille,

France TEACHING ACTIVITIES 2016-2020 Teaching support (100h) – Laboratorio di Astrofisica 2, Università degli Studi di Padova, Italy PUBLICATIONS Author of 54 referred papers, of which 11 as 1st author.



FRANCESCA NATALI

Sede lavoro: CNR (Francia)
SSD: 02 - Scienze fisiche
ERC: LS9 Applied life sciences & biotechnology

CNR Scientist - PhD in Physics Main responsible of the international project CRG-IN13 at the Nuclear Reactor 'Institut Laue Langevin' (ILL) (Grenoble, France). First Instrument Scientist



LORENZO NAVONE

Sede lavoro: Université de Strasbourg (Francia)
SSD: 14 - Scienze politiche e sociali
ERC: SH5 Cultures & cultural production
Keywords: etnografia, sociologia, confini, migrazioni, sociologia visuale

Docteur en sociologie (Université de Gênes, Italie), actuellement ATER à l'Université de Strasbourg, mes intérêts de recherche portent sur les frontières, les mobilités humaines et les migrations internationales, à travers les techniques d'enquête de l'ethnographie et de la sociologie visuelle. Dirigée par Federico RAHOLA, ma thèse a porté sur une ethnographie du fonctionnement de la triple frontière entre Egypte, Israël et la Bande de Gaza. Le travail sur le terrain m'a permis de proposer une lecture de la singulière triangulation qui caractérise cette zone en fonction d'un processus de transformation plus général et de « tridimensionalisation » des frontières, dont la matrice linéaire/territoriale est remplacée par une dimension générative.



GIOVANNI OCCHIPINTI

Sede lavoro: Université de Paris / Institut de Physique du Globe de Paris. (Francia)
SSD: 02 - Scienze fisiche 04 - Scienze della terra
ERC: PE10 Earth system science

Giovanni Occhipinti, aka Ninto, graduates at the Università di Bologna, he received his PhD at the Institut de Physique du Globe de Paris (IPGP) and the Office National d'Etudes et Recherches Aérospatiales. After post-doctorate studies at the JPL (NASA) and Seismo-Lab (Caltech), he returned to France as faculty at the Université de Paris. He currently mains his research at the IPGP and strongly collaborate with institutes worldwide. Ninto consecrated his research to the detection and modeling of Earthquake and Tsunami signature in the ionosphere, as well as studies on ionospheric tomographic methods. In 2016 he became junior member of the Institut Universitaire de France. In 2018 he introduced the Ionospheric Magnitude. Ninto also plays a role in science divulgation as a weekly reporter on the radio (France Inter, NOVA, Radio Aligre). Ninto also contributes to public events connected to science and he develops many art-projects at the frontier between Art & Science.



FABIANA OLIVIERO

Sede lavoro: ToxAlim, INRA (Francia)
SSD: 05 - Scienze biologiche
ERC: LS4 Physiology, Pathophysiology & Endocrinology
Keywords: Fisiologia e farmacologia

I am an Italian student who graduated from high school in Rome, Italy. The desire to continue my studies in a research center in France led me to Paul Sabatier University of Toulouse where I obtained a Bachelor degree and then a Master's degree in Digestive Physiology and Nutrition. I am now carrying out my PhD project in the ToxAlim laboratory in Toulouse, France (INRA). Our laboratory contributes to developing knowledge on the long-term effects of toxins such as agricultural inputs, pesticides, mycotoxins, substances migrating from packaging systems and other food contaminants on human and animal health. More particularly our team; "Gestation and Endocrine Disruption", focuses on the effects of these contaminants during gestation. My PhD project focuses on the role of the nuclear receptor CAR (Constitutive Androstan Receptor) in energy metabolism and in the effects of endocrine disorders such as bisphenols and other pesticides/food contaminants such as perfluorated compounds.



STEFANO OLLA

Sede lavoro: Université Paris-Dauphine PSL (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

Aggiungo dopo



GLORIA ORIGGI

Sede lavoro: CNRS (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: filosofia, epistemologia, scienze sociali

Gloria Origgi è una filosofa italiana basata in Francia, al CNRS dal 2002. Dopo degli studi di logica e filosofia della mente all'università degli studi di Milano si è specializzata in filosofia delle scienze cognitive e filosofia del web. Dopo una prima opera dedicata al filosofo americano W.V. O. Quine (Laterza 2000) ha cominciato a interessarsi all'epistemologia sociale e la filosofia delle scienze sociali pubblicando una serie di lavori sull'interdisciplinarietà, la fiducia nella scienza, la reputazione degli esperti. Oggi si occupa di principalmente di epistemologia e filosofia delle scienze sociali cercando di comprendere il ruolo delle emozioni nei processi di conoscenza collettiva (pubblicazioni principali: Qu'est-ce que la confiance? VRIN 2008; La réputation, PUF 2015; Passions Sociales, PUF 2019)/



ANDREA PAFUNDI

Sede lavoro:	Ricerca per il life style sostenibile e (Francia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society

download CV



CATUSCIA PALAMIDESSI

H-Index:	44
Sede lavoro:	Institute National de Recherche en Informatique et Automatique (Inria) (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Machine Learning, Privacy, Fairness, Security, Concurrency

Catuscia Palamidessi is Director of Research at INRIA Saclay (since 2002), where she leads the team COMETE. She has been Full Professor at the University of Genova, Italy (1994-1997) and Penn State University, USA (1998-2002). Palamidessi's research interests include Machine Learning, Privacy, Fairness, Secure Information Flow, and Concurrency. She is coauthor of more than 200 scientific publications. She has been PC chair or PC member of more than 100 international conferences. She is in the Editorial board of several journals, including the IEEE TDSC, the Journal of Computer Security, Mathematical Structures in Computer Science, and Acta Informatica. She is serving in the Executive Committee of EATCS (European Association for Theoretical Computer Science), ETAPS (European Joint Conferences on Theory and Practice of Software), and CSL (Computer Science Logic). In 2019 she has obtained an ERC advanced grant to conduct research on Privacy and Machine Learning.



PAOLO PALCHETTI

Sede lavoro:	Université Paris 1 Panthéon Sorbonne (Francia)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Diritto internazionale, diritto dell'Unione europea

Paolo Palchetti è professeur des université presso la Ecole de droit de la Sorbonne, dove è anche direttore del Master Droit international et organisation international. È altresì professore ordinario di diritto internazionale presso l'Università di Macerata (in aspettativa). È stato senior research fellow del progetto "International Rule of Law: Rise or Decline?" (Humboldt-Universität zu Berlin/Freie Universität/Universität Potsdam), MacCormick Fellow della Law School of the University of Edinburgh e visiting professor presso l'Université Panthéon-Assas/Paris 2, l'Université de Nice/Sophie Antipolis, l'Universidade federal de Santa Catarina, l'Universidade federal de Minas Gerais (X Curso de Inverno). È co-direttore di "QIL-Questions of International Law", membro della Direzione della "Rivista di diritto internazionale", del comitato di direzione di "Diritti umani e diritto internazionale", dell'editorial board di "International Organizations Law Review" e di "OXIO-Oxford Internation



PIER LUCA PALLA

H-Index: 15
Sede lavoro: Université de Lille (Francia)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics

Not available



NICOLETTA PALLADINO

Sede lavoro: Centre de Recherche et Restauration des Musées de France (Francia)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences
Keywords: Heritage Science, zinc white, characterization, pigments, paintings

PhD student in Physics (Heritage Science) at the Université Paris-Saclay, I study zinc white, a relatively recent pigment more and more used in Fine Arts since the second half of the nineteenth century at the Centre de Recherche et Restoration des Musées de France (C2RMF). Besides research, I carry out a mission of expertise as coordinator of the International Student Board of the European Universities Alliance EUGLOH. I started my PhD in October 2020 after one year in strategic consultancy in McKinsey Italy and having obtained a double master degree at the Politecnico di Milano (Materials Engineering and Nanotechnology) and the KTH in Stockholm (Engineering Physics). Multilingual and adaptable, I would like to pursue a career in between science and management, either in the cultural field or in sustainable development, following my personal motivations and employing the technical skills acquired during my studies as well as the soft skills gained during the PhD and in consultancy.

STEFANO PALMINTERI



H-Index: 25
Sede lavoro: INSERM U960 - Ecole Normale Superieure (Francia)
SSD: 05 - Scienze biologiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords: learning, decision-making, cognitive science, behavioural economics, apprendimento, decisione, scienze cognitive, economia comportamentale

I am head of the Human Reinforcement Learning team, which is part of the Laboratoire de Neurosciences Cognitives et Computationelles (Institut National de la Santé et de la Recherche Médicale & École Normale Supérieure, Paris) . I was born in 1982 in Palermo (Sicily, Italy), where I lived until I graduated from highschool (Liceo Classico G. Meli) (2000). I hold a Master degree in Pharmaceutical Biotechnology from the University of Bologna (Italy, 2006) and a Master degree in Cognitive and Behavioural Neuroscience from the University Pierre and Marie Curie (Paris, France, 2007). I hold a PhD in Cognitive Neuroscience from the University Pierre and Marie Curie (Paris, France, 2012). My goal is understanding how humans learn to make decisions at the behavioural, computational and neural levels. I am mainly (but not only!) interested in situations when decisions are based on past experience (a.k.a. reinforcement learning) .



STEFANIA PAN

Sede lavoro: Artelys (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE6 Computer science & informatics
Keywords: Discrete Optimization, Operational Research

After my master in 2015 in mathematics at the Università deli Studi di Padova, I moved to Paris for a 6 months internship at Horizontal Software, a small company specialised in Human Resources management. The goal was the implementation of heuristic optimisation methods for solving personnel scheduling problems. Just after the internship, I started a CIFRE fellowship between the same company Horizontal Software and Laboratoire d'Informatique de Paris Nord (LIPN) of Université Paris 13. I developed and implemented both exact and heuristic methods to deal with the different types of personnel scheduling problems. Most of these problems were challenging due to their large size and their high degree of flexibility. I got my PhD in 2018 and I'm currently working as optimisation consultant at Artelys, a company specialised in optimisation, decision support and modelling in diversify sectors such as energy, transportation and logistic.



GABRIELE PAOLINI

Sede lavoro: LPTM - Laboratoire de Physique Théorique et Modélisation (Francia)
SSD: 02 - Scienze fisiche 05 - Scienze biologiche
ERC: LS5 Neurosciences & neural disorders

Not available



LIUBA PAPEO

H-Index: 15
Sede lavoro: CNRS (Francia)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords: Neuroscience, human cognition, neuroimaging, language, vision, perception, education, development

I am a neuroscientist and the first or senior author of 25 publications in international peer-reviewed journals. After my Ph.D. (2010, SISSA of Trieste), I was awarded a Marie-Curie International Outgoing Fellowship and joined the Department of Psychology at Harvard University as postdoctoral fellow (2011-2013). I completed the postdoctoral research training at CIMeC, University of Trento (2013-2014). In 2014, I obtained a grant from the Marie Curie Cofund program and joined the Center for Brain and Cognition at University Pompeu Fabra of Barcelona. I was recruited as researcher at the Centre National de la Recherche Scientifique (CNRS) and joined the Institut des Sciences Cognitives Marc Jeannerod (ISCMJ) in Bron (Lyon), in 2016. In 2017, I was awarded a European Research Council Starting Grant (ERC 758473-THEMPO). I am leader of the research team Cognitive Neurodevelopment, studying how the ensemble function of brain networks gives rise to high-level cognitive processes.



PAOLO PAPOTTI

H-Index:	28
Sede lavoro:	EURECOM (Francia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	informatica, database, basi di dati

Paolo Papotti got his Ph.D. degree from the University of Roma Tre (Italy) in 2007 and is an associate professor in the Data Science department at EURECOM (France) since 2017. Before joining EURECOM, he has been a scientist in the data analytics group at QCRI (Qatar) and an assistant professor at Arizona State University (USA). His research is in the broad areas of scalable data management and information quality, with a focus on data integration and computational claim verification.



GIACOMO PARRINELLO

Sede lavoro:	Sciences Po (Francia)
SSD:	04 - Scienze della terra 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH3 Environment & society SH6 The study of the human past
Keywords:	ambiente, storia, antropocene, acqua, catastrofi, coste, delta

I am an Assistant Professor of Environmental History at the Centre for History at Sciences Po (the Paris Institute of Political Studies). I specialize in the history of disasters, cities, water, and coasts and I am interested in the nexuses between economic development, state-building and environmental change over the 19th and 20th centuries. My first book, entitled Fault Lines: Earthquakes and Urbanism in Modern Italy (Berghahn Books 2015) tells the long-term history of the 1908 earthquake in Messina and the 1968 earthquake in the Belice Valley, Sicily. I am currently writing an environmental history of the Po River basin between 1800 and 2000 and I am the Principal Investigator of an interdisciplinary project on the geomorphological history of the Po, Rhone, and Ebro River basins and deltas during the twentieth century.



GIUSEPPE PATERA

Sede lavoro:	Université de Lille (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	quantum optics, nonlinear optica, ultra-fast, quantum information and communication, complex dynamics, pattern formation, frequency comb, optomechanics

Mi sono laureato in Fisica all'Università di Bari nel 2004 con una tesi di laurea sulla formazione spontanea di strutture in sistemi ottici complessi nonlineari. Ho, in seguito, fatto un dottorato in cotutela tra l'università Pierre et Marie Curie - Paris6 e l'università dell'Insubria durante il quale ho studiato la dinamica di sistemi ottici nonlineari complessi (nello specifico gli Sinchronoulsy Pumped Optical Parametric Oscillators - SPOPOs). Ho difeso la mia tesi di dottorato a Novembre 2009. Nel 2010 ho ottenuto una borsa di post-doc all'università di Lille, dove ho studiato gli aspetti spaziali e temporali delle correlazioni quantistiche in sistemi ottici nonlineari caratterizzandole con invarianti simplettici. Ho in

seguito ottenuto, nel 2010, un posto permanente da Maitre de Conférénces all'università di Lille dove mi occupo di ottica quantistica multimodale per l'informazione e la comunicazione quantistica.



FRANCESCO PEDACI

Sede lavoro:	Chargé de recherche CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	biofisica

NA



FEDERICO PELLARIN

Sede lavoro:	Université Jean Monnet Saint-Etienne (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations

1997 Tesi di Dottorato in Matematica 1997-1999 Post-Doc Univ. Münster 1999-2007 Maître de Conférences Université de Caen 2007-Oggi Professeur Université de Saint-Etienne



SANDRA PELLEGRINI

H-Index:	44
Sede lavoro:	Institut Pasteur Paris (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS6 Immunity & infection
Keywords:	immunologia, biologia molecolare

Sandra PELLEGRINI directs the Cytokine Signaling team at the Institut Pasteur. She is a renowned scientist who has dedicated her career to decipher biochemical networks underlying cellular response to the type I interferons (IFN-I). She has played a leading role in unraveling the involvement of JAK kinases in IFN-I signaling. One of her major contribution revolves around the study of TYK2 and JAK1, of parameters governing differential activities of IFN-I subtypes and description of IFN-I bioactivities in human T lymphocytes. Through biochemical analyses her team has characterized two monogenic interferonopathies and highlighted the key role of negative regulation of IFN signaling in humans. In 2015 she was awarded a prize from the Fondation de France. Her team pushes the boundaries of biochemical analyses in cellular models to the analysis of patients' samples. These studies contribute to the fundamental understanding of the onset and maintenance of inflammatory and auto-immune patholo



MARIO PENDE

H-Index:	42
Sede lavoro:	Université de Paris, Inserm, Inst. Necker (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Nutrizione, Biochimica, Metabolismo, Crescita

Education: 1991, Diploma in Pharmaceutical Science, University of Genova, Italy; 2000, PhD degree, Biochemistry, Summa cum laude, University of Basel, Switzerland. Professional experience: 1989-1992, Internship, Inst. Of Pharmacology, University of Genova, Italy. 1992-1993, Visiting Scientist, Mario Negri Institute, Milano, Italy; 1993-1996, Visiting Scientist, NIH, Bethesda, Maryland; 1996-2000, PhD student, Friedrich Miescher Inst., Basel, Switzerland; 2000-2001, Post-doctoral Scientist, Friedrich Miescher Inst., Basel, Switzerland; 2002, Research Director, Avenir Program, INSERM, Necker Institute, Paris, France; 2003, Permanent position INSERM; 2020, Director of the Growth signalling Dept at Necker Institute, Paris, France. Awards: 2006, Morgagni Prize for Studies on Metabolism, Schlumberger Foundation Award, Fondation Recherche Medicale award; 2008, ERC- Starting grant; 2013, ERC-Consolidator grant; 2014, PRIX LABBÉ (Biologie intégrative) – Académie des Sciences



VINCENZA PERDICHIZZI

Sede lavoro:	Università di Strasburgo (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Letteratura italiana, Settecento, Filologia d'autore, Alfieri, Canone letterario

Vincenza Perdichizzi si è formata alla Scuola Normale e all'Università di Pisa. Ha svolto un dottorato in cotutela fra le Università di Pisa e di Poitiers. Ha lavorato come lettrice all'Istituto Italiano di Cultura di Parigi e ha svolto incarichi d'insegnamento alle Università di Poitiers e Charles-de-Gaulle Lille 3. Dal 2011 è professore associato all'Università di Strasburgo. Le sue ricerche portano sulla letteratura italiana del Settecento, in particolare su Vittorio Alfieri, cui ha dedicato tre monografie (Lingua e stile nelle tragedie di Vittorio Alfieri, 2009; L'apprendistato poetico di Vittorio Alfieri, 2013; Alfieri, 2015, in collaborazione con Arnaldo Di Benedetto), un'edizione critica (Estratti e traduzioni dalle tragedie senecane, 2015) e una raccolta di articoli (Testi e avantesti alfieriani, 2018). Altri suoi lavori sono stati dedicati al rapporto fra letteratura e identità nazionale, alla poesia di Pascoli e ad Antonio Tabucchi, di cui è stata assistente personale.



CATERINA PETRONE

Sede lavoro:	CNRS (Francia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity

N/A



VALERIA PETTORINO

H-Index:	64
Sede lavoro:	CEA Paris-Saclay (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Cosmologia, astrofisica, spazio, energia oscura, materia oscura, diplomazia scientifica, comunicazione.

Laureata in fisica, lavoro nel campo della cosmologia, astrofisica e scienze spaziali dal 2002. Di formazione teorica, mi sono interessata sempre più ai dati, dando un contributo fondamentale al satellite ESA Planck e al satellite ESA Euclid. Ho conseguito il dottorato di ricerca in Italia e ho lavorato in Spagna, USA, Svizzera (Marie Curie Fellow), Germania (A. von Humboldt Fellow). Nel 2016 mi sono stabilita in Francia presso il CEA Paris-Saclay. Abilitata in fisica teorica e in astrofisica, per prima e seconda fascia, ho poi ottenuto anche l'abilitazione a dirigere la ricerca in Francia. Dal 2019 sono Presidente del Programma Nazionale Cosmologia e Galassie del CNRS. Sono parte del gruppo di coordinamento di un programma di mentoring per donne in fisica (Supernova Foundation). Lavorare in grandi collaborazioni internazionali mi ha motivato a completare una formazione in gestione agile e due formazioni europee in diplomazia scientifica (InsSciDE e S4D4C).



LUCA PEVERINI

H-Index:	-3
Sede lavoro:	Thales SESO S.A.S. (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE8 Products & process engineering

Dr. Luca Peverini joined Thales SESO SAS in 2010. He is currently responsible for the research and development (R&D) and business development of x-ray optics for synchrotron and FEL X-rays sources. He has worked as Project Manager and Research Engineer for specific projects and prototypes committed by research institutions, industries and synchrotron facilities worldwide. In 2005-2010, he worked as beamline scientist at the optics beamline of the European Synchrotron Radiation Facility (ESRF). During that time, he was also coordinator of on-line mirror surfacing project within the nanotechnology platform. In 2005, he obtained his PhD on "Study of the processes of layer growth and ion beam etching using specular and diffuse X-ray scattering" . In 2001, Dr. Peverini joined Media Lario s.r.l (Lecco, Italy) and contributed in various R&D and industrial activities for ESA/ESTEC. Dr. Peverini's scientific results have been reported in more than 50 communications and international journals.



MASSIMILIANO PICCIANI

Sede lavoro:	Banque Publique d'Investissements (Francia)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics
Keywords:	Materiali

2008 Laurea in Ingegneria Nucleare, Politecnico di Milano, 110 lode. Medaglia d'oro Polimi 2012 Dottorato in cotutela tra Politecnico di Milano (corso di dottorato in Scienza e Tecnologia delle Radiazioni) e Université Pierre et Marie Curie -Paris VI (école doctorale de Physique de la région parisienne). Attività di ricerca presso il Commissariat à l'Energie Atomique (CEA Saclay) 2012-2016 Ingegnere R&D presso il centro di ricerca industriale Saint-Gobain, dipartimento

elaborazione vetri 2016-2020 Responsabile del comitato "Materiali e processi" per l'Agenzia Nazionale per la Ricerca francese (ANR) dei programmi H2020 Eranet "ERA-MIN 2" su materie prime ed economia circolare, "M-era.Net" su scienza dei materiali, "LEAP-RE - European African partnership on Renewable energies" e del programma congiunto ANR - AFD (Agence française du développement) per lo sviluppo dell'insegnamento superiore in Africa. 2020 - responsabile settore Materiali per la Banca Pubblica d'Investimenti francese



ALESSANDRA PIERANI

H-Index:	27
Sede lavoro:	INSERM Institut Imagine et Institut de Psychiatrie et Neuroscience de Paris (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders
Keywords:	Development, central nervous system, cerebral cortex, neural circuits, transient neurons, patterning, programmed cell death, evolution

Alessandra Pierani is Director of Research at the National Center for Scientific Research (CNRS). She heads the team “Genetics and Development of the Cerebral Cortex” with a dual affiliation at the Imagine Institute (Hôpital Necker, Paris) and the Institute of Psychiatry and Neurosciences of Paris (Hôpital St Anne, Paris) (France). Her research focuses on the role of transient neurons in cerebral cortex development, evolution and pathology. She obtained two PhDs in Biology at the Univ. of Florence (1986) and Univ. of Paris XI (1994) and trained first as a molecular biologist and biochemist at the Rockefeller Univ. (New York). She then begun her work on neural development at the Institut Curie (Orsay) and pursued it at Columbia Univ. (New York) and the Ecole Normale Supérieure (Paris). 2006- 2017 she was a group leader at the Institut Jacques Monod in Paris. She was awarded the Foulon Prize of the French Academy of Science (2012).



PAOLO PIEROBON

H-Index:	14
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology
Keywords:	Biofisica sperimentale, singola molecola, microscopia, meccanobiologia, biologia cellulare, forze cellulari, immunologia

Working situation: CNRS researcher at Institut Curie - Research Institute, 26 Rue d'Ulm, 75005 Paris INSERM U932 Immunité et cancer. Team A-M Lennon-Duménil Education 2015: Habilitation à diriger les recherches (HDR), Université Paris Descartes, Paris 2006: Doctor Rerum Naturalium (PhD), Ludwig-Maximilians Universitaet, Munich 2002: Laurea in fisica (Master in physics), University of Padua (Italy) 1997: Diploma di maturità scientifica (high school), Liceo Primo Levi (Italy) Professional experiences 2009-to date: CNRS, associate researcher (CRCN), Institut Curie U932 2006-2009: Postdoc, Institut Curie, Paris, France, UMR168 CNRS/Institut Currie U932 2006-2009: Postdoc, Institut Curie, Paris, France, UMR168 CNRS/Institut Curie. Supervisor: Dr. G.Cappello 2002-2006: PhD, Ludwig-Maximilians Universitaet, Munich (Germany), Supervisor: Prof. E.Frey 2001-2002: Master thesis, Imperial College (London) and University of Padua (Italy). Supervisor: Dr.T.Liverpool



SUSANNA PIETROPAOLO

Sede lavoro:	INCIA (università Bordeaux/CNRS) (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	neurobiologia comportamentale

Susanna Pietropaolo si é laureata in Scienze Biologiche all'università di Bari con una tesi sperimentale in neurobiologia comportamentale svolta all'Istituto Superiore di Sanità di Roma. Ha successivamente trascorso 5 anni in Svizzera, durante i quali ha ottenuto il dottorato in nueroscienze presso il politecnico di Zurigo (ETH) con una tesi sui modelli murini di patologie neuropsichiatriche che ha ottenuto nel 2008 la medaglia d'oro dello stesso istituto. Risiede in Francia dalla fine del 2008, anno in cui ha iniziato il suo post-dottorato lavorando con il Dott. Wim Crusio all'Università di Bordeaux. Dal 2011 é ricercatrice di ruolo (chargé de recherche,CR) del CNRS e lavora all'Institut de Neurosciences Cognitives et Integratives d'Aquitaine (INCIA) dove conduce ricerche su modelli genetici murini di malattie del neurosviluppo.



RAFFAELE PISANO

H-Index:	-3
Sede lavoro:	Université de Lille (Francia)
SSD:	02 - Scienze fisiche
ERC:	SH6 The study of the human past
Keywords:	History of Physics-Mathematics

RAFFAELE PISANO (Italy, 1970) is a full physicist. He studied at the Federico II Napoli University (Italy) and PhD at the La Sapienza Roma University (Italy). I awarded my Habilis (HDR–Accreditation to Supervise Research) at Philosophy, history of sciences Poincaré centre, Lorraine University, France. I am currently Full Professor, Lille University, France (& additional responsibility as faculty member) and Linus Pauling Memorial Lecturer (ISEPP, Portland State University, USA). I served (2011-2017) as Vice President (2011, elected in Nancy, France). More: https://pro.univ-lille.fr/raffaele-pisano



FRANCESCO PISANU

Sede lavoro:	Université Sorbonne Paris Nord (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	box-TDI polyhedron, linear programming, graph theory, geometry, linear algebra

Education Nov 2020-present – Université Sorbonne Paris Nord, France – PhD in Informatics, thesis title “Totally Equimodular Matrices” 2017 - 2020 Università degli studi di Cagliari, Italy – MSc in Applied Mathematics with the highest grade cum laude Sept 2018 - Jun 2019 UAIC, University of Iaşi, Romania – Erasmus Exchange Student 2012 - 2017 Università degli studi di Cagliari, Italy – BSc in Mathematics Professional Experience Nov 2019 – Nov 2020 CRS4 - Center of Research, Development and Advanced Studies of Sardinia, Pula (Italy) Oct – Nov 2019 Stage OAC - Astronomical Observatory of Cagliari, Selargius (Italy) Language skills Italian (native), English (advanced), French (elementary), Romanian (elementary).



STEFANIA PIZZINI

H-Index:	31
Sede lavoro:	CNRS, Centre National de la Recherche Scientifique (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Magnetismo, spintronica

Laurea in Fisica, Università degli Studi di Milano (1985)/ PhD in Physical Chemistry, University of Strathclyde, Scotland (UK) (1990), Post Doc - bourse Marie Curie, Université Paris-Sud (1991-1993), Chargé de Recherche CNRS, Laboratoire Luis Néel, Grenoble (1993), Habilitation à Diriger des Recherches (2006), Directeur de Recherche DR2 (2006), Directeur de Recherche DR1 Institut Néel (2016)



EDOARDO POLI

H-Index:	6
Sede lavoro:	APHP - Université Paris Saclay (Francia)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Epatologia, Gastroenterologia

Medico italiano con specializzazione in Epatologia, Gastroenterologia ed Endoscopia Digestiva conseguita nel 2018 presso l'Università Sapienza di Roma. Dal 2018 lavoro come Chef de Clinique - Assistant des Hôpitaux presso l'Hôpital Paul Brousse, primo centro trapianti di fegato di Francia. Impegnato in ricerca clinica e di base oltre che nella gestione clinica di pazienti ricoverati ed in regime ambulatoriale. Attivo nella ricerca di colleghi italiani che vogliano venire in Francia per un'esperienza di ricerca o lavorativa.



RINALDO POLI

H-Index:	50
Sede lavoro:	Laboratoire de Chimie de Coordination (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis

Nato a Barga (LU) il 17 agosto 1956. Cittadino Italia e USA. Post-doc, Texas A&M U. 1985–7. Assist. Prof. (1987-92), Assoc. Prof. (1992-5), Prof. (1995-6) U. of Maryland, College Park. Prof. U. de Dijon 1996-2005. Prof. ENSIACET Toulouse 2005- Riconoscimenti (più importanti): Giuseppe Stampacchia' (Roma 83), Dreyfus Distinguished New Faculty (USA 87), Presidential Young Investigator (USA 90), Alfred P. Sloan research fellow (USA 92), Medaglia Nasini (Soc. Chim. Ital. 92), Humboldt Forschungsstipendium (Germania 93), Membro IUF (Francia 07), Membro dell'Accad. Sci. Europea (18), Chemistry Europe Fellow (18), Membre distingué, Soc. Chim. France (20), Premio Jaffé e Medaglia Berthelot del'Acc. Sci. francese (20). Produzione: ca. 420 pubblicazioni, 15 capitoli, 2 libri (>11700 citazioni, H = 50), 115 talks su invito a conferenze, 241 seminari. Interessi scientifici: chimica di coordinazione, organometallica, catalisi omogenea, polimerizzazione radicalica controllata.



GIUSEPPE POLICASTRO

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

N/A



ALBERTO PREVITI

H-Index:	4
Sede lavoro:	Framatome (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics PE7 Systems & communication engineering PE8 Products & process engineering
Keywords:	simulazione, numerica, algoritmi, fisica, nucleare, radioprotezione, matematica, sicurezza

Ingegnere energetico e nucleare esperto nella modellazione matematica e numerica (nucleare, aerospaziale), nella programmazione informatica e scientifica, e nella progettazione e verifica di sistemi complessi mission-critical (nucleare, ferroviario).



EDOARDO PROVENZI

Sede lavoro:	Institut de Mathématiques de Bordeaux (Francia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE1 Mathematical foundations PE7 Systems & communication engineering

Laureato in fisica nel 2000 all'università degli studi di Milano e dottorato in matematica e applicazioni all'università di Genova. Dopo tre post-dottorati all'università di Milano, all'università Pompeu Fabra di Barcellona e a Télécom ParisTech, sono stato assunto come professore associato all'università Paris Descartes di Parigi. Nel 2017 sono stato assunto in qualità di professore ordinario all'università di Bordeaux. Il mio lavoro di ricerca verte sulla modellizzazione matematica della visione umana e del sistema percettivo e cognitivo umano, con applicazioni al trattamento delle immagini digitali.



GUIDO PUPILLO

Sede lavoro:	University of Strasbourg (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Atomic, molecular, optical physics, quantum simulations, quantum computing

Guido Pupillo is Distinguished Full Professor (PRCE) at the University of Strasbourg, Director of the “Laboratory of Quantum Physics” at the Institut de Science et d'Ingénierie Supramoléculaires (ISIS) and of the “European Center for Quantum Sciences - CESQ” of Unistra and CNRS. He obtained his Master in Physics at the University of Bologna in 2001 and a PhD in Physics in 2005 at the University of Maryland for research conducted at the National Institute of Standards and Technology. Until 2011 he was scientist and then senior scientist at the University of Innsbruck and the Austrian Academy of Sciences. In 2012 he became full professor at the University of Strasbourg (FR). He is recipient of several awards, including the 2012 ERC Starting Grant, is fellow of the GYA, the YAE, USIAS, and Senior Fellow of the Institut Universitaire de France (IUF). His research interests are in atomic, molecular, and optical physics, quantum simulations and computing.



GIULIO RAGAZZON

Sede lavoro:	Institut de Science et d'Ingénierie Supramoléculaires (ISIS) - University of Strasbourg (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis

Giulio obtained his PhD in Chemistry investigating artificial molecular machines. After the PhD, he expanded his interests towards self-assembling systems and nanomaterials. He now leads the Laboratory of Driven Chemical Processes at the Institut de Science et d’Ingeniérie Supramoléculaires - ISIS in Strasbourg (France). His group investigates artificial molecular systems that are capable to perform energy-demanding (endergonic) processes at the molecular and nanoscale.



OLIMPIA RATTO VAQUER

Sede lavoro:	école pratique des hautes études (Francia)
SSD:	08 - Ingegneria civile e Architettura 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Architettura Antica, Roma, Grecia, Rinascimento, disegno

dottoranda in storia dell'arte all'Ephe- PSL Paris, in cotutela in storia dell'architettura con l'università di Firenze



PIER DOMENICO RESTA

Sede lavoro:	Agenzia Spaziale Europea (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Aero-spazio, sistemi di lancio, satelliti

Lavoro dal 1991 nel campo dello sviluppo di sistemi spaziali: orbitali e di lancio. Ho acquisito conoscenze tecniche e manageriali e al momento occupo una posizione da Senior Manager nel progetto di sviluppo di Ariane 6.



EMILIANO RICCI

Sede lavoro:	Ecole Normale Superieure de Lyon (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection
Keywords:	ARN, ribosoma, virus, traduzione, imunologia

Not available



ALESSIA RITACCO

H-Index:	11
Sede lavoro:	Institut d'astrophysique spatiale, Ecole Normale Supérieure (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astrofisica, cosmologia, scienze dell'universo

My name is Alessia Ritacco, I am italian and astrophysicist. I have obtained the bachelor and master degree at Sapienza University in Rome that I left in 2013 for a PhD fellowship to be carried out in Grenoble at Laboratoire de Physique Subatomique et Cosmologie (LPSC). This work mainly supported by the french space agency (CNES) consisted on the development of a polarimeter to equip the IRAM 30m telescope located in the Sierra Nevada, Granada (Spain). In 2017 after the success of the prototype I have been asked to join the laboratory in Granada to perform the commissioning of the final NIKA2 instrument. In the fall 2019 I have joined the instrumentation group at Institut d'Astrophysique Spatiale in Orsay, France and the Laboratoire de Physique de l'Ecole Normale Supérieure in Paris to work on the instrumental and data analysis challenges for the development of future space missions that aim at precisely characterize the sky polarization in the early epochs of the Universe history.



LUCA RIZZI

Sede lavoro:	CNRS (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	sub-riemannian geometry

After my undergraduate studies in theoretical physics I obtained a Ph.D. in Geometry at the International School for Advanced Studies (SISSA, Trieste), followed by a 2-years post-doc at Ecole Polytechnique (Paris). Since October 2016, I am a permanent CNRS researcher, working at the Institut Fourier (Grenoble). Since 2021 I am the PI of the ERC Starting Grant project "GEOSUB". My research interests lie at the interface of geometry and analysis of sub-Riemannian structures, with work on sub-Riemannian spaces, measure contraction properties, and the spectral geometry of singular structures. My main contributions include the introduction of the geodesic dimension, the development of an intrinsic comparison theory for sub-Riemannian spaces, and the proof that sub-Riemannian structures support certain interpolation inequalities related with optimal transport. More details on my webpage: https://sites.google.com/view/rizziluca/home



DAVIDE RIZZO

Sede lavoro:	Institut Polytechnique UniLaSalle (Francia)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	agtech, nuove tecnologie, agronomia, robotica agricola

I processi di supporto alle decisioni sono al centro delle mie competenze che si basano su più di 10 anni di esperienza in diversi campi di applicazione. La mia tesi di dottorato alla Scuola Superiore Sant'Anna (Pisa, Italia) ha contribuito a porre le basi teoriche dell'agronomia territoriale con una caratterizzazione della gestione del paesaggio terrazzato del Monte Pisano (Toscana). Durante 4 anni come postdoc presso il Dipartimento INRA-SAD (Francia), ho trattato la descrizione regionale dei sistemi e delle sequenze colturali, oltreché la loro modellizzazione per la valutazione delle conseguenze sulla qualità e quantità delle risorse idriche. Dal 2016 insegno e faccio ricerca sul ruolo della digitalizzazione e dell'automazione nei processi decisionali in agricoltura. Come professore associato in agronomia, data scientist, sono co-responsabile della laurea specialistica in meccanica agraria e nuove tecnologie presso UniLaSalle, campus di Beauvais.



FRANCESCO ROMANÒ

Sede lavoro:	Arts et Métiers Science and Technology (Francia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE4 Physical & Analytical Chemical sciences

Francesco Romanò earned his Ph.D. in Mech. Eng. at TU Wien, Austria, with a research focus on Fluid Dynamics, Numerical Methods and Dynamical Systems. During his Ph.D. he also taught a Master's course for Numerical Methods in Fluid Dynamics for four years. He kept teaching and doing research at TU Wien for 1.5 years as a Post-Doc. In April 2017 he was granted a Research Fellowship at the Department of Biomed. Eng., University of Michigan, USA. Since September 2019, he is an Associate Professor at the Dept. Fluid Mech. & Energetics at Arts et Mètiers, Lille, where he gives courses of Aerodynamics, Turbomachinery, Heat Transfer and Numerical Methods. His research topics include mixing, chaos theory, multiphase flows in microfluidic systems (particle-laden and multi-fluids flows), biological flows, non-Newtonian flows, thermo- and soluto-capillary flows, stability analysis, mathematical modelling of complex multiscale systems and, recently, flow control and turbomachinery.



VALENTINA ROS

Sede lavoro:	Ecole Normale Superiéure (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics

-2019-corrente: Junior Research Chair, Ecole Normale Supérieure, Paris (Francia) -2018-2019: Post-Doc (mentore: G. Biroli), Laboratoire de Physique Statistique, Ecole Normale Supérieure, Paris (Francia) -2016-2018: Post-Doc (mentore: G. Biroli), Institut de Physique Théorique, CEA/Saclay (Francia) -2012-2016: Dottorato in Fisica Statistica, SISSA-International School for Advanced Studies, Trieste (Italia) -2010-2012: Elite TMP Master in Fisica Teorica e Matematica, Ludwig Maximilians Universitaet, Muenchen (Germania) -2007-2010: Laurea Triennale in Fisica, Università degli studi di Trieste, Trieste (Italia)

CARLO ROVELLI



H-Index: 64
Sede lavoro: Aix-Marseille Université (Francia)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: Gravità quantistica, relatività generale, meccanica quantistica

Laurea in Fisica a Bologna. Dottorato in Fisica a Padova-Trento. Ho lavorato 10 anni negli Stati Uniti. Da vent'anni in Francia.

ALESSANDRO RUDI



Sede lavoro: INRIA - Paris (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE6 Computer science & informatics
Keywords: machine learning

Visiting student at MIT during the Ph.D. Graduated in 2014 at Università di Genova, Italy, in 2017 he receives a research position at INRIA and École Normale Supérieure, Paris (a permanent position from 2019). In 2020 he is awarded an ERC Starting Grant (1.5M euros from the EU, for 5 years). The main research topic is Machine Learning from a theoretical and practical viewpoint. Is it possible to achieve a machine learning algorithm with optimal accuracy, but that is, at the same time, reliable and with the minimal computational cost? The goal of his research is to develop new algorithms with strong theoretical guarantees to achieve fast, accurate, and reliable ML algorithms that can be a valid tool for science and engineering.

ALESSANDRA RUSSO



Sede lavoro: Sciences Po Bordeaux (Francia)
SSD: 14 - Scienze politiche e sociali
ERC: SH2 Institutions, values, beliefs and behaviour

Alessandra Russo is a postdoctoral researcher at Sciences Po Bordeaux. In September 2015 she was awarded a PhD degree in Politics, Human Rights and Sustainability at Pisa-based Scuola Superiore Sant'Anna. Her PhD dissertation has resulted in a book which has been published by Palgrave MacMillan in 2018. Her research activities can be grouped into 3 main thematic clusters: 1) Comparative Regionalism; 2) Critical approaches to security in Europe and beyond; 3) Research practices and ethics. She has been associated with university institutions in a number of EU and non-EU countries (Italy, United Kingdom, Germany, France, Georgia, Kyrgyzstan, Moldova), also contributing to a several international (and EU-funded) collaborative research projects. She currently collaborates with the Tbilisi-based "Eurasia Democratic Security Network" and she is the co-editor of the Open Access academic journal Interdisciplinary Political Studies.



BEATRICE RUTA

H-Index:	21
Sede lavoro:	Univ Lyon 1 and CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Sistemi disordinati, trasizione vitrosa, dinamica atomica, radiazione di sincrotrone, scattering di raggi X

During my scientific career, I have always been working on the dynamics of complex materials like glasses and jammed soft systems, with the aim of unveiling the microscopic mechanisms underlying their macroscopic properties. For this purpose, I combine advanced synchrotron based and laboratory techniques, to get information over many length and time scales. After my Ph.D. on vibrational properties of glasses, I have started a brand new field of research in the domain of disordered systems, with the first study in the world of the atomic motion in glasses. This subject is attracting interest worldwide in the Physics, Soft Matter and Material Science communities and has provided me publications in well-established international journals like Nature Communications and Physical Review Letters, collaborations with top-level scientist, invited presentations in international conferences, the “Young Scientist award 2015” of the European Synchrotron ESRF and the CNRS bronze medal in 2020.



MAURIZIO SACCHI

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	spettroscopie di raggi X, radiazione sincrotrone, strumentazione per la ricerca

Tecniche spettroscopiche dei raggi X applicate allo studio di materiali magnetici e fortemente correlati, principalmente in forma di film sottili e nano-oggetti. Sviluppo, costruzione e gestione di stazioni sperimentali presso sorgenti di radiazione sincrotrone. Principali tecniche utilizzate: assorbimento, riflettività, diffrazione, scattering coerente, scattering inelastico, fotoemissione con raggi X duri, spettroscopie risolte in tempo presso sorgenti X pulsate (sincrotrone, laser a elettroni liberi, sorgenti HHG).



A. MARCO SAITTA

H-Index:	36
Sede lavoro:	Sorbonne Université (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE4 Physical & Analytical Chemical sciences

A. Marco Saitta in 2000 was appointed Maître de Conférences at Université Pierre et Marie Curie, now Sorbonne University. He acceded to professorship in 2011, to 1st class professorship in 2014, and to “Exceptional class 1” in 2017, and to “Exceptional class 2” (the topmost level in the French system) in 2019. A specialist of electronic structure theory and ab initio calculations, his research activity is focused on the exotic properties of molecular crystals, liquids and amorphous at extreme conditions of pressure and temperature, with recent focus on prebiotic chemistry and origins of life research. He has authored more than 100 articles, including 1 Nature, 2 Nature Materials, 1 Nature Communications,

7 PNAS, and 19 Phys. Rev. Lett. He has about 5000 citations, an h-index = 36 (WoS). He has received more than 40 invitations to conferences, and has supervised about fifteen among PhD students and postdocs.



FILIPPO SALA

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Dark Matter, Cosmology, Astro-particle Physics, Collider Physics

Physicist, CNRS researcher in Paris at LPTHE, Sorbonne University, since 2020. He got his PhD in Pisa from Scuola Normale Superiore in 2013, he carried out research in the US as a visitor of LBNL Berkeley, in France as a postdoc at IPhT CEA Saclay and LPTHE, in Germany as staff member of DESY Hamburg. His current research focuses on the quest for Dark Matter and for the solution of other mysteries of our understanding of Nature at a fundamental level. His approach is driven by the necessity to test ideas with observations at colliders, telescopes and other experiments. Author of more than 30 research papers (~ 4500 citations) and of a few outreach articles, he has taught at the Universities of Pisa and Hamburg and at summer schools for master and PhD students. He has supervised students from Bachelor to PhD levels, has given about 100 seminars at conferences and universities, and he is the recipient of Italian prizes for his research and of German and French start-up grants.



PAOLO SAMORÌ

H-Index:	82
Sede lavoro:	Université de Strasbourg (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	nanoscienze, nanotecnologie, nanochimica, chimica supramolecolare

Paolo Samorì è Professore Ordinario presso l'Università di Strasburgo e Direttore dell'Institut de Science et d'Ingénierie Supramoléculaires (ISIS). È membro della Royal Society of Chemistry, Fellow dell'Accademia europea delle scienze, membro dell'Academia Europaea, membro straniero della Royal Flemish Academy of Belgium for Science and the Arts e Membro senior dell'Institut Universitaire de France (IUF). Ha conseguito la Laurea in Chimica Industriale presso l'Università di Bologna nel 1995. Nel 2000 ha conseguito il PhD in Chimica presso l'Università Humboldt di Berlino. È stato ricercatore permanente presso l'Istituto per la Sintesi Organica e la Fotoreattività del Consiglio Nazionale delle Ricerche di Bologna dal 2001 al 2008. Ha pubblicato più di 350 articoli su nanoscienze e scienze dei materiali. Ha ricevuto molti premi prestigiosi e coordina numerosi progetti europei.



ELEONORA SANTIN

H-Index:	0
Sede lavoro:	CNRS (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	storia antica, epigrafia, letteratura greca, letteratura latina, filologia classica

Eleonora SANTIN Nata a Vittorio Veneto, il 29 agosto 1978. Nazionalità : francese e italiana Email : eleonora.santin@mom.fr Pagina web personale : http://www.HiSoMA.mom.fr/annuaire/santin-eleonora Posto attuale Chargé de recherches (CR2) al CNRS (UMR HiSoMA - Maison de l'Orient et de la Méditerranée – Jean-Pouilloux, Université Lumière – Lyon 2 et CNRS). Formazione Dottorato in Storia Antica, Università di Roma « la Sapienza » Titolo della tesi : Studi sull'epigramma funerario greco. Autori di epigrammi sepolcrali su pietra: firme di poeti occasionali o professionisti. Epigrammi sepolcrali della Tessaglia (Études sur l'épigramme funéraire grecque. Tutore : Maria Letizia Lazzarini. Titolo conseguito il 10 maggio 2007.



LUCIA SARGENTINI

H-Index:	3
Sede lavoro:	CEA (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering PE8 Products & process engineering
Keywords:	nucleare, statistica

Dr. Lucia Sargentini is a research-engineer at Commisariat à l'Energie Atomique et aux Energies Renouvables (CEA) in Saclay. Since 2015 she has been involved in safety studies for CEA's research reactors, in experimental analysis for physical modelling and validation of T-H system codes and in the inverse uncertainties quantification in Best-Estimate Plus Uncertainty methodologies. She graduated in Nuclear Engineering at University of Pisa in 2011, after an intership at CEA-Saclay on heat transfer transient during reactivity accident in research reactors. She holds a PhD (2014) in Fluid Mechanics at Université Pierre et Marie Curie (UPMC) in Paris on fluid-structure interaction for sodium reactor assemblies.



VINCENZO MARIA SCHIMMENTI

Sede lavoro:	LPTMS - CNRS - Université Paris-Saclay (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Statistical Mechanics, Avalanches, Records, Earthquakes, Machine Learning, Depinning

- Diploma liceo scientifico "Cannizzaro" Palermo (100/100) - Laurea triennale in Ingegneria Informatica (104/110) - UNIPD - Laurea Magistrale in Physics Of Data (110L/110) - UNIPD - PhD Candidate presso laboratori LPTMS/LISN (CNRS - Université Paris-Saclay). Grant: CNRS 80PRIME - La mia ricerca di dottorato si focalizza su due aspetti: modellizzazione e predizione di fenomeni sismici. Nella parte di modellizzazione studio dei modelli sia minimali che complessi (record models, ABBM, Burridge-Knopoff, OFC,...) ispirati alla meccanica statistica e alla self organized criticality per spiegare le leggi sperimentali dei terremoti, in particolare la legge di Gutenberg-Richter. Nella parte predittiva mi occupo di applicare le tecniche dell'apprendimento automatico (Machine Learning) alla predizione dei fenomeni sismici. Lo studio parte da dati ottenuti tramite i modelli prima menzionati e prova a estenderli ai dati sperimentali (ancora in corso d'opera). - Teaching assistant.



LUCA SCIACOVELLI

H-Index:	5
Sede lavoro:	Arts et Métiers Institute of Technology (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Computational Fluid Dynamics; Turbulence; High-Performance Computing

Not available



GIORGIO SEANO

H-Index:	22
Sede lavoro:	Institut Curie Research Center (Francia)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Tumor Microenvironment, Brain tumors, Cell migration, Angiogenesis, Vessel co-option, Mechanobiology, Tissue Mechanics

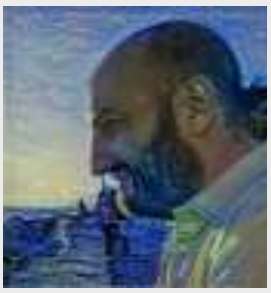
Dr. Seano is the Head of the Tumor Microenvironment Lab at Institut Curie, Orsay-Paris (France). His scientific interests are tumor vasculature, vessel co-option, cell migration and radioresistance. Among others, he published on Science, Cancer Cell, PNAS, Nat Cell Biol, Nat Biom Eng, JNCI, Blood and Cancer Res. During his training in Italy, (a) he investigated tumor angiogenesis and integrins, (b) provided the first evidence of a new subcellular structure – the endothelial podosome rosette – that controls sprouting angiogenesis and (c) developed the first ex vivo human angiogenesis assay. Next, he joined the laboratory of Dr. Jain at Harvard Medical School (Boston). There, he investigated (a) physical forces from brain tumors and their effects on neuro-vascular functions and (b) vessel co-option in glioblastoma. In 2018, he set up is own lab focused on brain tumors, microenvironment and radioresistance. Among other funding, Dr. Seano's lab is currently funded by an ERC Starting Grant



ALDO SERAFINO

Sede lavoro:	Enertime (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Laurea in ingegneria energetica presso il Politecnico di Milano nel 2009. Laurea specialistica in ingegneria energetica presso il Politecnico di Milano nel 2011. Ingegnere progettista di turbomacchine speciali e responsabile di unità R&D presso Exergy SpA (Olgiate Olona, VA) dal 2012 al 2017. Dal 2017 al 2020 titolare di un progetto di ricerca su ottimizzazione sotto incertezza di componenti e sistemi industriali, nell'ambito di una collaborazione tra l'università Arts et Métiers ParisTech e l'azienda francese Enertime.



PASQUALE DARIO SERPICO

H-Index:	52
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	astroparticelle, cosmologia, raggi cosmici, materia oscura

Vedere documento pdf allegato.



MARIANGELA SETTIMO

H-Index:	42
Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	fisica delle particelle, raggi cosmici, neutrini, materia oscura

Ricercatrice CNRS in Fisica delle particelle elementari, al laboratorio SUBATECH, Nantes (CNRS/IN2P3, Università di Nantes e IMT-Atlantique). Dopo il dottorato in Italia, in fisica delle astroparticelle, ho effettuato un post-doc di quasi 3 anni in Germania sull'esperimento Pierre Auger e ho poi vinto una fellowship nel 2013 in Francia (Insitut Lagrance de Paris, ILP) che mi ha permesso di effettuare un post-doc al laboratorio LPNHE a Parigi (Laboratoire Nationale des Haute Energie). Dal 2016 sono ricercatrice CR1 al CNRS, a Nantes. Mi interesso attualmente di fisica dei neutrini (esperimento JUNO in Cina), fisica astroparticellare e materia oscura (esperimenti DAMIC in Canada e DAMIC-M in Francia).



MARTA SEVERO

Sede lavoro:	Université Paris Nanterre (Francia)
SSD:	14 - Scienze politiche e sociali
ERC:	SH3 Environment & society SH5 Cultures & cultural production
Keywords:	comunicazione, digitale, patrimonio, cultura, web, dati

Marta Severo è professora di scienze della comunicazione presso l'Università di Paris Nanterre (laboratorio Dicen) e membro junior dell'Institut Universitaire de France. Le sue attività di ricerca si concentrano su due aree tematiche: (i) la costruzione collaborativa dei patrimoni e delle memorie culturali sul web e (ii) le rappresentazioni digitali di fenomeni sociali grazie ai dati web. Nel 2019 è entrata a far parte del comitato scientifico di Open Edition. Dopo aver conseguito un dottorato di ricerca in gestione e tecnologie dei beni culturali presso l'IMT Lucca (Italia), Marta Severo è stata post-dottoranda al Politecnico di Milano, a Sciences Po Paris e al CIST di Parigi. Dal 2012 è professore associato di comunicazione (4 anni all'Università di Lille e poi all'Università Paris Nanterre). Nel 2019 è diventata professore ordinario all'Università Paris Nanterre.



SABRINA SPEICH

H-Index:	34
Sede lavoro:	Ecole normale supérieure (ENS) de Paris (Francia)
SSD:	02 - Scienze fisiche 04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Clima, cambiamento climatico, eventi estremi, interazioni oceano-atmosfera

Sabrina is full professor of Oceanography and Climate Sciences at the Ecole Normale Supérieure (ENS) – Paris Sciences Lettre (PSL) University and she is member of the Laboratoire de Météorologie Dynamique (LMD) within the French climate Institute Pierre Simon Laplace (IPSL). Her research focuses on scale-interactions and atmosphere-ocean dynamics, and how they affect the Earth climate and marine ecosystems under global warming. She has two decades of experience in conceiving large international observing and modelling projects to better assess ocean and climate processes, and monitor changes. I have been working together with the international community (within projects and organizations such as CLIVAR, SCAR and GOOS/GCOS) to improve the ocean observing strategy and capacity. Sabrina is co-chair of the Atlantic CLIVAR Panel and of the Ocean Observations Panel for Climate (OOPC) cosponsored by WCRP, GOOS and WMO. More information at http://www.lmd.ens.fr/speich/



LORENZO SPONZA

Sede lavoro:	Chargé de recherche de classe normale au CNRS (CRCN - CNRS) (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Materiali bidimensionali, spettroscopia teorica

Formazione 2007 - 2010: Master in fisica (Università degli studi di Trieste) 2010 - 2013: Dottorato in fisica (Ecole Polytechnique, Palaiseau, Francia) Percorso Professionale settembre 2013 - agosto 2014: Research and Teaching (Jussieu, Sorbonne Université, Parigi) ottobre 2014 - settembre 2016: Post-doc (King's College London, Londra) ottobre 2016 - settembre 2019: Post-doc (CNRS-ONERA, Châtillon, Francia) da settembre 2019: Ricercatore al CNRS (CNRS-ONERA, Châtillon, Francia)



JACOPO STAIANO

H-Index:	20
Sede lavoro:	reciTAL (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	NLP, AI, Computer Vision

Not available



LORENZO STIEVANO

Sede lavoro: Université de Montpellier (Francia)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences

PhD in Chemical Sciences in 1999. Assistant Professor at Université Pierre et Marie Curie (Paris, France) from 2001 to 2009. Professor at the University of Montpellier (France) since 2009. Main research fields: energy materials, operando characterisations.



MORGANA TAGLIAROLO

Sede lavoro: Ifremer (Francia)
SSD: 05 - Scienze biologiche
ERC: LS8 Evolutionary, population & environmental biology
Keywords: Biologia Marina

During my studies, I acquired a significant background in marine biology and ecology. My primary research interests are focused on understanding the physiological and metabolic adaptations of marine organisms. My PhD at the Laboratoire des Sciences de l'Environnement Marin (France) was focused on CO2 respiration, calcification and primary production of rocky shore communities through laboratory and in-situ measurements. My three post-doctoral fellowships in South Africa focused on physiology, thermal limits and carbon emission of estuarine and intertidal marine animals and communities. I worked in three institutes; Rhodes University, University of KwaZulu-Natal and the South African Institute for Aquatic Biodiversity. From October 2017 I work in French Guiana as researcher on the management of commercially important shrimps and fisheries.



NICOLA TAMANINI

H-Index: 28
Sede lavoro: CNRS / Laboratoire des 2 infinis - Toulouse (Francia)
SSD: 01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC: PE1 Mathematical foundations PE9 Universe sciences
Keywords: Gravitational waves; cosmology

Since 01/02/2021 Position: CNRS Directeur de Recherche: Laboratoire des 2 infinis - Toulouse (L2IT), Toulouse (France) From 01/10/2017 to 31/01/2021 Position: Junior Scientist/Postdoc position Institute: Max Planck Institute for Gravitational Physics (Albert Einstein Institute), Potsdam (Germany) From 15/09/2014 to 15/09/2017 Position: Eurotalents postdoc fellow Institute: Institute de Physique Théorique (CEA), Saclay (France) From 26/09/2011 to 02/09/2014 Position: PhD in applied mathematics Institute: University College London (UK) From 18/02/2011 to 15/06/2011 Position:Teaching & research assistant Institute: University of Trento (Italy) From 28/09/2009 to 15/11/2010 Position: Visiting research student Institute: Imperial College London (UK) From 19/12/2008 to 15/12/2010 Position: MSc in theoretical physics Institute: University of Trento (Italy) From 01/09/2005 to 17/12/2008 Position: BSc in physics Institute: University of Trento (Italy)



PAOLO TANGA

H-Index:	30
Sede lavoro:	Observatoire de la Côte d'Azur (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	planetologia, astrofisica, asteroidi, osservazione, telescopi, missioni spaziali

Nato a Saluzzo (Cuneo) il 2 Marzo 1966, Laureato in Fisica all'Università di Torino. Successivamente ha seguito il corso di dottorato in Geofisica dell'Università di Genova, Modena e Torino. Dopo aver lavorato dal 1996 al 2001 all'Osservatorio Astrofisico di Torino, si è trasferito in Francia nel 2001, dove ha ottenuto una posizione da astronomo nel 2003. E' attualmente al laboratorio Lagrange dell'Observatoire de la Côte d'Azur (Nizza) di cui è vice-direttore. Specialista dei corpi minori, coordina la riduzione dei dati del Sistema Solari nell'ambito della missione Gaia dell'Agenzia Spaziale Europea.



GABRIELLA TARANTINO

Sede lavoro:	Université Paris-Saclay (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	ingegneria meccanica, metallurgia

Assistant professor in Materials Science and Engineering at the Polytechnic University of Paris-Saclay. Multidisciplinary research experience spanning both Solid Mechanics and Metallurgy, with key-focus on exploring the processing/structure/properties relations as it applies to conventional materials (e.g. metals and composites) as well as to novel metamaterials with a tailored architecture across various scales. Passionate advocate for public outreach with science.



EMANUELE TASSI

Sede lavoro:	CNRS Laboratoire Lagrange (Francia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE1 Mathematical foundations PE2 Fundamental constituents of matter
Keywords:	sistemi hamiltoniani, fisica dei plasmi

Not available



GIANLUCA TEANO

Sede lavoro:	ATER (Francia)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Epigenetics, Genomics, Plants, Viral infections, Climate Change

Postdoctoral researcher and lecturer (ATER), working on Climate change influence on viral infections in plants, I obtained my PhD in plants epigenetics at univesity Paris Saclay.



SIMONA TERSIGNI

Sede lavoro:	Maîtresse de conférence (Francia)
SSD:	14 - Scienze politiche e sociali
ERC:	SH3 Environment & society
Keywords:	migrazioni e relazioni interetniche

Maîtresse de conférences en sociologie [dal 1/9/2011] , Université Paris Nanterre, UFR SSA, département de sociologie, Laboratoire de Sociologie, Philosophie et anthropologie politiques (Sophiapol, EA 3932) Maître de Conférences en sociologie à l'Université de Rennes 2 et Membre de l'UMR ESO 6590 [2007-2011].



ELEONORA TIMPERI

Sede lavoro:	Curie Institute (Francia)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection

Ricercatrice in ambito biomedico mi occupo di studiare il sistema immunitario nei tumori.



MASSIMILIANO TODISCO

H-Index:	19
Sede lavoro:	EURECOM (Francia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	signal processing, machine learning, biometrics, privacy preservation, anti-spoofing

I'm a professor (MdC) at EURECOM (France) a graduate school and research centre, within the Digital Security Department. In my former career, before spending two years as postdoc and two as senior research fellow at EURECOM,

I carried out my research for many years within the Electronic Engineering Department at Tor Vergata University, where I also served the Master in Sonic Arts as technical coordinator. I even joined the research centre Fondazione Ugo Bordoni, Rome, where I spent three years as a researcher. My research focuses on the areas of artificial intelligence, such as machine and deep learning, circuits and algorithms for signal processing, synthesis, encryption and classification, especially with regard to biometric signals. I'm currently working mainly on fully E2E architectures for spiking and evolutive neural networks, fake signal detection and anti-spoofing, multi-biometric person authentication and privacy-preserving algorithms to prevent disclosure of sensitive data.



ZENO TOFFANO

H-Index:	13
Sede lavoro:	CentraleSupélec (Francia)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	SH2 Institutions, values, beliefs and behaviour PE6 Computer science informatics PE7 Systems & communication engineering

Laboratory: CentraleSupelec CNRS, L2S (laboratoire des Signaux et Systèmes), UMR-8506 Gif-sur-Yvette, France Head of the Information Theory group Secretary of the Scientific Council at CentraleSupélec Research projects on quantum computing Supervised 10 PhD Teachnig in Quantum Physics and Telecommunications Reviewer for Entropy, IEEE J. Q. Electronics. Organizer of workshops on "Quantum Modelling" at ISC-Paris Coordinator of innovation Start-Ups at Supélec Education: -1978 Maturità Liceo Scientifico Leonardo da Vinci, Paris (60/60) 1978-1981 U. Paris Sud: Fundamental Physics 1981-1982 U. Paris Sud: Master in Solid State Physics 1982-1985. PhD in CEA-Saclay 1986 Supélec, Master degree in Electrcial Enginnering 2004 HdR France-Telecom grants on fiber-optic telecommunications European project DRIVE French Program RMNT on simulation of optoelectronic systems Grant "Quantum Information Retrieval" Co-organizer of the "quantum modelling" seminar



DANIELE TOMATIS

H-Index:	6
Sede lavoro:	Commissariat à l'Énergie Atomique et aux Énergies Alternatives (CEA) (Francia)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

Originario di Fossano (CN), Daniele Tomatis è ricercatore al Commissariat à l'Énergie Atomique et aux Énergies Alternatives (CEA - France), Service d'Études des Réacteurs et de Mathématiques Appliquées (SERMA) da Ottobre 2015, dopo circa dieci anni trascorsi in R&D dell'industria nucleare di AREVA. Daniele Tomatis ha conseguito un dottorato di ricerca presso il politecnico di Torino nel 2010, dove si è anche laureato nel 2006 (laurea magistrale). Daniele si occupa di modelli matematici e dello sviluppo di programmi di calcolo scientifico per i reattori nucleari e per le applicazioni con radiazioni ionizzanti.



ALBERTO TONDA

Sede lavoro:	INRAE (Francia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione

ERC:	PE6 Computer science & informatics PE8 Products & process engineering
Keywords:	machine learning; evolutionary computation; optimization

Alberto Tonda received his Ph.D. in Computer Science Engineering from Politecnico di Torino (Italy) in 2011. After post-doctoral experiences at the Paris' Complex Systems Institute and INRIA Saclay, he is currently a permanent researcher at the French National Institute of Research in Agriculture and Environment (INRAE). His research interests include semi-supervised modeling of complex systems, evolutionary optimization and machine learning, with main applications in food science and industry. Alberto Tonda authored more than 30 scientific papers published in refereed international journals, 2 books and 50 contributions in international conferences. He is the chair of COST Action CA15118 FoodMC (2016-2020), focused on mathematical and computer-based models for food science and industry; he co-organized several workshops at the GECCO conference between 2016 and 2020; and he is part of the editorial board of the journal Genetic Programming and Evolvable Machines, published by Springer.



FRANCESCO TRAVAGLI

Sede lavoro:	EDC Paris Business School (Francia)
SSD:	13 - Scienze economiche e statistiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Entrepreneruship

Not Available

LAURA TRINCHERA



H-Index:	13
Sede lavoro:	NEOMA Business School (Francia)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH2 Institutions, values, beliefs and behaviour PE6 Computer science & informatics
Keywords:	Structural Equation Modeling, Clustering and Classification, Data Science

Laura Trinchera is Associate Professor of Statistics at NEOMA Business School, France. She holds a Master Degree in Business and Economics (2004) and a PhD in Statistics (2008) from the University of Naples « Federico II », Italy. Her research focuses on Multivariate Data Analysis with an emphasis on Structural Equation Modeling, Partial Least Squares (PLS) Methods and Clustering and Classification algorithms. She has been elected member of the Council Committee of the Young group of the SFDS and the former co-chair of the Component-based Methods for Predictive and Exploratory Path Modeling specialized team of the working group on Computational and Methodological Statistics in the European Research Consortium for Informatics and Mathematics (ERCIM). She has been visiting researcher at UCSB, UMICH at Ann Arbor, University of Hamburg, Charles University Prague, HEC School of Management, and external lecturer at ESSEC Business School SciencesPo Paris, Sorbonne University at Abu Dhabi.



AGATA TROVATO

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astrofisica particellare, Onde gravitazionali, Astrofisica con neutrini, Machine Learning

01/10/2017 - present: Post Doctoral Researcher at the (CNRS), Laboratoire Astroparticule & Cosmologie (Paris). 02/12/2013 - 30/09/2017: Post-doc fellowship at the Italian National Institute for Nuclear Physics (INFN) - Laboratori Nazionali del Sud (LNS), Catania. 01/10/2010 - 10/02/2014: grant to perform Ph.D studies at the University of Catania. 28/07/2010 - 27/01/2011: Post-graduate grant at INFN - LNS. 15/01/2009 - 14/01/2010 Grant for master students at INFN - LNS. Until 2017 my research activity has been focused on the Neutrino Astronomy and in particular on the KM3NeT project. I developed a code to reconstruct the muon tracks produced by the muon neutrinos in charged current interactions and evaluate the detector sensitivity to neutrino point sources. After 2017 I joined the Virgo group in Paris. I have many responsiibilities for the Gravitational Wave Open Science Centre (release of the data to the public) and I develop machine learning based data analysis startegies.



DOMENICO TRUZZOLILLO

H-Index:	13
Sede lavoro:	Laboratoire Charles Coulomb (L2C), UMR 5221 CNRS - University of Montpellier (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis
Keywords:	Colloids, Polymers, Rheology, Interfacial tension, Hydrodynamic instabilities

Domenico Truzzolillo is a CNRS researcher at Laboratoire Charles Coulomb (University of Montpellier). His research interests are in the field of experimental and computational soft matter physics. He works on a variety of problems concerning metastable states in soft matter, rheology, charged polymers and colloids, hydrodynamic instabilities and off-equilibrium interfacial phenomena. You'll find more about him here https://domenicotruzzolillo.jimdofree.com/



SANDRO VAIENTI

H-Index:	30
Sede lavoro:	Universitè de Toulon et Centre de Physique Théorique (Marsiglia) (Francia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Sistemi dinamici, Teoria Ergodica, Probabilità

Dottorato preso a Bologna in 1987; dopo alcuni post-doc in particolare a Los Angeles (USC) e in Francia, sono stato recrutato come Professore all'Università di Toulon (FR) nel 1993 con possibilità di fare ricerca al Centre de Physique Théorique di Marsiglia. MI occupo di sistemi dinamici dal punto di vista matematico. Sono autore di un centinaio di pubblicazioni.



VALENTINA VALBI

Sede lavoro: LMC-IRAMAT-CNRS (Francia)
SSD: 03 - Scienze chimiche 04 - Scienze della terra
ERC: PE4 Physical & Analytical Chemical sciences

Not Available

PAOLO VANNUCCI



H-Index: 24
Sede lavoro: Université Paris-Saclay (UVSQ) (Francia)
SSD: 08 - Ingegneria civile e Architettura
ERC: PE5 Materials & Synthesis PE8 Products & process engineering
Keywords: Meccanica teorica, anisotropia, metodo polare, ottimizzazione, meccanica dei monumenti storici, azioni critiche sui monumenti (esplosioni)

2003 - Full Professor (Professeur des Universités - Classe Exceptionnelle) of Mechanics at University Paris-Saclay 2002: HDR (Habilitation à diriger les Recherches) in Mechanics, University of Burgundy 1998-2003: Maître des Conférences (Lecturer) at ISAT 1996-98: Post-doc ISAT (Institut Supérieur de l'Automobile et des Transports, University of Burgundy) 1995-96: Post-Doc University of Metz 1996: PhD in Structural Engineering, University of Florence 1991-92: Offshore Engineer, AGIP, Milan 1991: Laurea in civil Engineering, University of Pisa Main research fields: theoretical anisotropy, composite materials, structural optimization, mechanics of monumental structures, extreme actions on monuments (wind, blasts)



ANGELA VASANELLI

H-Index: 24
Sede lavoro: Ecole Normale Supérieure, Université de Paris (Francia)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics

Angela Vasanelli received a doctor degree in Physics from the University of Bari (Italy) in 1998 and a PhD in Solid State Physics from the University of Paris 6 in 2002. Her PhD work was a theoretical study of the electronic and optical properties of semiconductor quantum dots, realized at the Laboratoire Pierre Aigrain at the Ecole Normale Supérieure in Paris. After a post-doc on the pseudo-potential calculation of birefringence in short period superlattices, in 2003 she joined as an Assistant Professor MPQ Laboratories at the University Paris Diderot, where she is now Full Professor. Currently her research activity takes place at the Physics Laboratory of the Ecole Normale Supérieure and concerns quantum optoelectronic devices, plasmonics and light-matter interaction.



VALERIO VASSALLO

Sede lavoro: Univ Lille (Francia)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

Enseignant-chercheur à l'Université de Lille depuis 1990, V. Vassallo a un doctorat en géométrie algébrique obtenu à l'université de Nice. Ses recherches ont donné lieu à des articles dans des revues à caractère international. Directeur de l'Institut de Recherche sur l'Enseignement des Mathématiques de Lille de 1994 à 2002. À l'origine de nombreuses conférences, colloques expositions et films sur les mathématiques. Valerio Vassallo est à l'initiative de la pièce de théâtre : «Bulles... J'ai fait un rêve étrange» présentée de nombreuses fois en France et en Italie. Il a écrit un conte « Louisette et Ambre – à la recherche des nombres d'or à Pamplemousse ». Il intervient en tant que formateur dans le cadre des formations nationales du plan Villani-Torossian. Il est membre de l'association Philolille, intervenant dans Citéphilo et président de l'Association Lilloise de Philosophie, Théâtre Diagonale et les Amis de l'IREM de Lille.



ELEONORA VEGLIANTI

Sede lavoro: Università cattolica di Lille (Francia)
SSD: 13 - Scienze economiche e statistiche
ERC: SH1 Individuals, institutions & markets

Eleonora Veglianti, PhD, is Associate professor at the Faculty of Management, Economy and Sciences - University Catholic of Lille, France. Her research expertise is in digital transformation, smart society, artificial intelligence, smart working and organizational issues. She spent different periods abroad to collect data for her researches. She was a visiting Ph.D. student in Wuhan University, in China. She is author of several scientific papers. She managed special tracks in different conferences (i.e. ItAIS, ICTO).



ANTONELLO VENTURINO

H-Index: 2
Sede lavoro: ONERA (Francia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering
Keywords: controllo predittivo, stima dello stato, veicoli autonomi, sistemi multi-agenti

Ho conseguito la Laurea Triennale in Ing. Informatica nel 2016 e la Laurea Magistrale in Ing. dell'Automazione con lode nel 2019 all'Università della Calabria (Italia). Nel 2019 ho svolto un periodo da studente ricercatore alla Concordia University a Montreal (Canada). Attualmente sono un dottorando in CentraleSupélec e ONERA all'Université Paris-Saclay (Francia). I miei campi di ricerca sono stima dello stato distribuita, sistemi multi-agenti e veicoli autonomi. In questo frangente ho svolto un periodo di mobilità internazionale alla Universidad de Sevilla (Spagna). Nel contempo sono libero professionista come Ingegnere Informatico.



SUSANNA DIANA VERGANI

H-Index:	43
Sede lavoro:	CNRS - Observatoire de Paris (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	astrofisica

Personal: Full name: Vergani Susanna Diana. Place of birth: Milano, Italy. Present position: Research Director Institution: CNRS Laboratory: GEPI-Observatoire de Paris 5, place Jules Janssen F-92190 Meudon, France e-mail : susanna.vergani@obspm.fr Professional experiences and Education: October 2019-present : CNRS DR2 at GEPI/Paris Observatory. July 2018-present : Director of the CNRS/INSU Programme National des Hautes Enérgies . December 2012-Septembre 2019 : CNRS Chargée de Recherche at GEPI/Paris Observatory. Publications: 123 refereed publications. 7021 citations, H=43 Visiting positions: February 2020: Visiting professor at Scuola Normale Superiore, Pisa, Italy 2008 - Ongoing: Visiting researcher at IAP, Paris, France 2013 - Ongoing: Visiting researcher at INAF, Italy Public Outreach: Scientific advisor for France Inter, Le Figaro, Business Insider France. Two interviews published in Le Figaro (October 2017, July 2019).



CLAUDIO VERGARI

H-Index:	17
Sede lavoro:	Ricercatore (Francia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health PE5 Materials & Synthesis
Keywords:	biomeccanica

Not available



MASSIMO VERGASSOLA

Sede lavoro:	CNRS & ENS (Francia)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche
ERC:	PE3 Condensed matter physics

NOT AVAILABLE



FILIPPO VERNIZZI

H-Index:	41
Sede lavoro:	CEA (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE9 Universe sciences
Keywords:	Cosmologia

Appointments - October 2008-present: Institut de Physique Théorique, CEA Saclay, France, senior researcher - July 2015-April 2016: CERN, Visiting Scientist - October 2006-September 2008: Research fellow - Abdus Salam International Centre for Theoretical Physics, Italy - October 2004-September 2006: Research fellow - Helsinki Institute of Physics, Finland - October 2002-September 2004: Research fellow - Institut d'Astrophysique de Paris, France Education - February 2015: Diplôme d'Habilitation à Diriger des Recherches - Université Paris Sud - January 1999-October 2002: PhD in theoretical physics - University of Geneva, Switzerland - October 1999-March 2000: Marie Curie PhD fellowship - Oxford University, United Kingdom - February 1998: Laurea (BSc) in physics - University of Parma, Italy



GIOACCHINO VIGGIANI

Sede lavoro:	Université Grenoble Alpes (Francia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	geomeccanica

NOT AVAILABLE -- see pdf file



DARIO VINCENZI

Sede lavoro:	CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

2019–2022 Associate, International Centre for Theoretical Sciences (ICTS–TIFR), Bangalore, India 2007– Chargé de Recherche, CNRS, LJAD, Université Côte d'Azur, Nice, France 2006–2007 Postdoc, Max Planck Institute for Dynamics and Self-Organization, Göttingen, Germany 2005–2006 Postdoc, Laboratory for Atomic and Solid State Physics, Cornell University, Ithaca, NY, USA 2000–2003 PhD, Observatoire de la Côte d'Azur, Nice, France



TOMMASO VITALE

H-Index:	30
Sede lavoro:	Sciences Po (Francia)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH3 Environment & society
Keywords:	Urban Sociology; Political Sociology; Life Course; Urban Conflicts; Regeneration; Spatial Inequalities; Large Metropolis; Networks; Roma; Social Mobility; Associations; Participation; Racism; Discrimination; Cultural Markers; Social Change; Macro Sociology

Dr. Tommaso Vitale is a Researcher at the Centre d'Etudes Européennes et de Politique Comparée de Sciences Po. Ph.D in Sociology, 2003, MA in Political Science, 1999, University of Milan, he is Associate Professor of Sociology at Sciences Po (Paris, France) where he is the scientific director of the Master "Governing the Large Metropolis", and member of the LIEPP and of the research program "Cities are back in town". The topics of his researches are: Roma upward social mobility; Roma discrimination in the housing market and in public housing; segregation in Italian metropolises; urban segregation and political behaviour; inclusion/exclusion of undocumented migrants and asylum seekers in Paris;

mechanisms of racism diffusion and legitimation; shantytowns and integration/assimilation/incorporation; normative conflicts on urban commons in large metropolis; theories in urban sociology and urban politics. He has co-founded the International Research Network UrbaRom.



MARTA VOLONTERI

Sede lavoro: CNRS (Francia)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences

N/A



ALESSIA ZAMBORLINI

H-Index: 18
Sede lavoro: Universtié Paris Saclay (Francia)
SSD: 05 - Scienze biologiche
ERC: LS6 Immunity & infection
Keywords: Molecular Viology, pathogen-host interaction, innate immunity

2001 -M2 in Chemical and Pharmaceutical Technologies (Faculty of Pharmacy, of Padova) 2006 -PhD in Virology (Medical School, Univ of Padova). I studied the role of the cellular components of the ESCRT machinery in the budding of HIV-1 in the Gottlinger's lab (Harvard Medical School, Boston, USA). 2006 -Post doctorial fellow in theSaïb's lab (INSERM U944). I studied viral persistence in quiescent T cells and the regulation of the integration step by post-translational modifications. 2010 -Lecturer in biology at Cnam (Conservatoire national des arts et métiers, Paris) 2019 -Full Professor in Virology at Paris Saclay University. My research projects aim to decipher the molecular bases underlying the coordination of the multiple activities of SAMHD1, a cellular triphosphohydrolase that inhibits viral infection in non-cycling immune cells. I am also interested in characterizing the contribution of SUMOylation, a ubiquitin-like modification, to the antiviral response.

ALESSIO ZANDONA



H-Index: 5
Sede lavoro: CNRS CEMHTI (Francia)
SSD: 03 - Scienze chimiche 04 - Scienze della terra
09 - Ingegneria industriale e dell'informazione
ERC: PE5 Materials & Synthesis
Keywords: Vetro, vetroceramica, cristallizzazione, magma, nucleazione, structure-property-relationship, materiali, quarzo

I am a postdoc researcher in Materials Science, currently at CEMHTI CNRS in France. I strive for a fundamental elucidation of crystallization processes in melts within and beyond the classical definition of glass-former materials. To achieve this goal, I adopt a variety of synthesis methods (conventional melt-quenching, sol-gel, laser-coupled aerolevitation) and a multipronged analytical approach, relying on in-situ high-temperature characterization. I am

particularly interested in the combined compositional, structural and microstructural changes occurring in materials such as magmas, glasses and glass-ceramics upon heating and cooling. In addition, I study the structure and properties of metastable crystalline phases which can only be obtained by glass crystallization, laying the foundations for a new generation of functional glass-ceramic materials.



CATERINA ZANFI

Sede lavoro:	CNRS (Francia)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Henri Bergson, Georg Simmel, transferts culturels, filosofia della vita, filosofia della biologia, filosofia sociale

Researcher at the CNRS, UMR 8547 Pays germaniques - Transferts Culturels (École normale supérieure, Paris). President of the Société des amis de Bergson. PhD at the University of Bologna and Lille 3 in 2011. Post-doc at the École normale supérieure in Paris (République des Savoirs, LabEx TransferS) 2012-2016. Adjunct Professor at the Spring Hill College Italy Center (Bologna) 2011-2016. Fellow of the Alexander von Humboldt Foundation at the Bergische Universität Wuppertal 2016-2018. Author of "Bergson, la tecnica, la guerra" (Bologna 2009) and of "Bergson e la filosofia tedesca" (Quodlibet 2013; French translation Armand Colin 2013; German translation Karl Alber 2018).



ROBERTA ZIPARO

Sede lavoro:	Aix-Marseille Université (Francia)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets

Current Position Assistant Professor (MCF), Aix-Marseille Université, France 2015-present Research fields Development Economics, Labour Economics Household Economics, Health Economics Education CRED, University of Namur, Belgium (2009-2013) Ph.D. in Economics University of Cambridge, UK (Fall 2012) Visiting Student Louvain Catholic University, Belgium, Bocconi University, Italy (2006-2009) Joint Degree Program: M.Sc. in Economics Bocconi University, Italy (2003-2006) B.A. in Economics and Social Sciences Professional Experience Head of the AMSE Master of Economics, track “Empirical and Theoretical Economics” (Current) Postdoctoral Researcher, Paris School of Economics, France (2013-2015) Project Coordinator, NSI Cameroon and CRED, Cameroon (2009-2010) Data collection Field Manager, CRED, India, LSMS Data Collection (2009) Data Collection



SIRIO ZOLEA

Sede lavoro:	Faculté libre de droit, d'économie et de gestion (Francia)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour

Sirio Zolea has earned an Italian and a French doctoral degree and he is currently a postdoctoral researcher in comparative law at the University of Macerata. He publishes on several Italian and European law reviews about private law topics, mostly but not only concerning property and land law. Lately, his researches focus on space law and

predictive justice too. Sirio Zolea also works on public law comparisons, mostly about law in the age of populisms and about the rule of law.



ESRF - Grenoble

GABON



ALICE LAGUARDIA

Sede lavoro:	Wildlife Conservation Society (Gabon)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	wildlife conservation

Alice Laguardia's passion for wildlife conservation has brought her around the world to some of nature's best kept secrets to study eastern lowland gorillas, north Chinese leopards and forest elephants. Her multidisciplinary background includes a PhD in Nature Conservation, a MSc in Wildlife biology and conservation and a BSc in Veterinary biotechnologies. In 2017 Alice returned to Gabon as senior scientist for WCS and project coordinator for the Great Elephant Census – Forest Initiative. Her main objectives are to conduct a nationwide survey of Gabon's elephants and to improve methodologies for future surveys. Alice will also be involved in training ecoguards and empowering the next generation of local researchers.

Wildlife Conservation Society

GERMANIA



BARBARA ALTIERI

H-Index:	20
Sede lavoro:	University Hospital, University of Würzburg (Germania)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	endocrinologia, adrenal, neuroendocrine

Dr. Barbara Altieri is a translational clinician scientist with expertise in adrenal and neuroendocrine tumors. She studied Medicine at Catholic University of Sacred Heart in Rome (Italy), where she completed her Specialization in Endocrinology and Metabolism. After her training in Endocrinology, she obtained her PhD with the 'Doctor Europaeus' qualification Sciences of Nutrition, Metabolism, Ageing and Gender pathologies from the Catholic University of Sacred Heart in Rome (Italy). Dr. Altieri worked for one year as consultant endocrinologist at the ENETS Center of Excellence in Naples (Italy). Currently, she is clinician scientist at the Endocrinology Department of the University Hospital of Würzburg (Germany). Her research is focused on understanding the genetic mechanisms involved in the pathogenesis of adrenocortical tumors and autonomous cortisol secretion, as well as on investigating novel molecular predictive biomarkers of response to therapies in endocrine tumors.



SIMONE AMOROSO

Sede lavoro:	DESY (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

Particle physicist specialised in the analysis and interpretation of complex and large datasets, and the management and coordination of research projects in diverse international teams. Ten years of experience in the development of statistical and machine learning applications, matured working in large international collaborations and major research laboratories.



SABINE ANDERGASSEN

Sede lavoro:	University of Tübingen (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

Since 09/2014 - Professor (W3) at the Institute for Theoretical Physics, University of Tübingen (Germany) 02/2012-08/2014 Assistant Professor (tenure track) at the Quantum Optics, Quantum Nanophysics, Quantum Information Department, University of Vienna (Austria) 05/2008-01/2012 Assistant Professor (W1) at the Institute for Theory of Statistical Physics, RWTH Aachen (Germany) 09/2006-04/2008 Post-Doc at the Institut Neel - CNRS, Grenoble (France) 02-08/2006 Post-Doc at the Max-Planck-Institute for Solid State Research, Stuttgart (Germany)

DOMENICO AZARNIA TEHRAN



H-Index:	8
Sede lavoro:	Leibniz-Forschungsinstitut für Molekulare Pharmakologie im Forschungsverbund Berlin e.V. (FMP) (Germania)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders
Keywords:	Botulinum neurotoxin, endocytosis, neurodegeneration, Alzheimer's disease;

I received my Master's of Science degree, summa cum laude, in Cell Biology from the University of Roma "La Sapienza" in 2012. I then joined the working group of Prof. Cesare Montecucco at the University of Padova, Department of Biomedical Sciences. My PhD work focused on the discovery of new small-molecules inhibitors able to prevent the neuroparalytic action of botulinum neurotoxins (BoNTs). I established an innovative strategy based on the possibility to hamper different and essential intracellular steps of BoNTs mechanism of intoxication. Moreover, I provided further details about BoNTs cellular uptake into nerve terminals that led us to identify new important process of neuronal physiology. In July 2016, I joined the lab of Prof. Volker Haucke in Berlin. My current research, as postdoctoral researcher, focuses on the molecular mechanisms and pathways involved in the endocytosis at central nerve terminals.

ANTONIO BONUCCI



H-Index:	6
Sede lavoro:	European XFEL GmbH (Germania)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS1 Molecular & Structural Biology & Biochemistry PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	enabling technology

After graduating in Aerospace Engineering at the University of Pisa, he joined SAES Getters in 2000, as modeling and simulation department, application Engineering and System Analysis and Technology and Opportunity Scouting. During this work experience, he dealt with products are used in applications addressing different scientific and technological content. This allows him to develop competences on a wide range of applications that span over the entire company business portfolio (displays like FED, PDP, OLED; solar cells as thin film CIS/CIGS; particle accelerators; vacuum technology; MEMs). He is author/co-author of 28 patent families, 26 scientific papers, and a contributor to the handbooks "Device Physics, Material Chemistry and Device Application of Organic Light Emitting Diodes" and "Handbook of Silicon Based MEMS Materials and Technologies". In fall 2014, he has joined European XFEL as in kind contributor manager and Industrial Liaison Office.



ROBERTO G. M. CACIUFFO

H-Index:	46
Sede lavoro:	Joint Research Centre (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Actinides, Neutrons, Synchrotron Radiation

R. Caciuffo is leading the Nuclear Science and Applications Unit of the European Commission's Joint Research Centre (JRC) in Karlsruhe, Germany. In 1980 he started his career at the Institute Laue-Langevin in France. In 1984 he became a contract professor at the University of Ancona and a member of the college of teachers of the doctoral school in Physics of the University of Bologna. In 1987 he was promoted associate professor and in 1989 he joined ISIS neutron source (UK) as Italy's spokesperson. In 2001 he became a full professor at the Marche University, before moving to the JRC in 2005. He has worked at several neutrons and synchrotron radiation facilities around the world. He is currently the director of the International School on Neutron Scattering of the Ettore Majorana Foundation in Erice. Caciuffo has been an advisory board member in several international organizations, worldwide. He is the co-author of over 310 peer-reviewed publications, and of two books on Physics.



FRANCESCO CADDEO

H-Index: 6
Sede lavoro: University of Hamburg (Germania)
SSD: 03 - Scienze chimiche
ERC: PE5 Materials & Synthesis

I received my Ph.D. in Chemistry at University of Kent in UK, and then I moved to Germany where I worked first as a Postdoctoral researcher at Martin-Luther-University Halle-Wittenberg and currently I am a Postdoctoral researcher at University of Hamburg. My research background includes: synthesis and characterization of silica-based aerogel nanocomposites, shape-selective synthesis of metal-oxide nanoparticles, MD simulations, electrochemical synthesis of MOFs and photo-electrochemistry. I am currently working on the preparation of thin-films and their application for PEC water splitting. My research interests also include heterogeneous photocatalysis in the gas-phase and in general the preparation of new materials for energy related applications.



ANTONIO CAGGIANO

H-Index: 16
Sede lavoro: TU Darmstadt (Germania)
SSD: 08 - Ingegneria civile e Architettura
ERC: PE8 Products & process engineering

CAGGIANO, ANTONIO, ADJ. PROF. DR. DR.-ING. DIEBURGER STR. 75, 64287, DARMSTADT, DE Italian, Married - 1 daughter. Birthdate: 31, MAY, 1982 WORK EXPERIENCE 02/2020 - 04/2024 - Group Leader at TU Darmstadt - Institut für Werkstoffe im Bauwesen, Germany. 02/2017 - 01/2020 - Forschungsstipendiat der Alexander von Humboldt Foundation, DE. 10/2019 to date - Full time position at University of Buenos Aires (UBA) as Adjunct Professor, Argentina. Since 2019 - Co-running the Neuer Weg Group https://www.neuerweg-group.com/ (future start-up). 10/2012 - 10/2019 - Full time position at the UBA as Assistant Professor (Jefe de Trabajos Prácticos), AR. 01/08/2014 to date - Researcher at CONICET (Nat. Scient. Tech. Research Council), AR.

ANTONIO CALÀ LESINA



Sede lavoro: Leibniz Universität Hannover (Germania)
SSD: 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC: PE2 Fundamental constituents of matter PE7 Systems & communication engineering
Keywords: nanophotonics, plasmonics, metamaterials, nonlinear optics, computational electromagnetics

PROFESSIONE: Professore universitario (tenure-track) in progettazione ottica e simulazione multifisica, Leibniz Universität Hannover, Germania. ESPRERIENZA LAVORATIVA: Research associate, Università di Ottawa, Canada, nanofotonica, finanziato da NSERC, Huawei Canada, 2018-2020. Postdoctoral Fellow, Università di Ottawa, Canada, nanofotonica computazionale, finanziato da IBM Canada, SOSCIP, Canada Research Chairs program, 2013-2018. TITOLI DI STUDIO: Dottorato di ricerca in informatica e telecomunicazioni, Università di Trento, giudizio ottimo, ricerca in elettromagnetismo computationale presso Fondazione Bruno Kessler, 2013. Laurea specialistica in ingegneria delle telecomunicazioni, Università di Catania, 110 e lode, 2009. Laurea triennale in ingegneria elettronica, Università di Catania, 110 e lode, 2006.



CLAUDIO CALVARUSO

Sede lavoro: Goethe University Frankfurt (Germania)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Plant biology

From 2009 to 2015, I carried out my Bachelor in Biotechnology and Master in Industrial Biotechnology, both in Padua. From 2017, I moved to Germany for my PhD, at the University of Frankfurt. I am part of Plant Physiology group, ruled by Prof.Dr.Claudia Büchel. My project is focus on the characterization of photosyntetic apparatus of diatoms. The project is part of the ITN framework Marie-Curie "SE2B-Solar Energy to Biomass", that involves 15 Early stage researchers around Europe.



SARA CASALBUONI

Sede lavoro: European XFEL (Germania)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences

Dr. Sara Casalbuoni Personal dates: Date of Birth: 5 September 1970 Place of Birth: Florence, Italy Citizenship: Italian Mother tongue: Italian Other languages: English, German Current Position: Head of Undulator systems at European XFEL since 2019 Education: `Laurea in Fisica', University of Florence, September, 1995 `Scuola di Perferzionamento in Fisica', University of Pisa, 1995-96 Ph.D. in Physics, University of Bern, April 2000 Previous appointments: KIT scientist 2005-2019 (2010-2019 Head of insertion Devices) DESY Fellowship in Hamburg 2003-2005 DFG Fellowship at the Institute of Applied Physics, University of Hamburg 2002-2003 Fellowship “Angelo Della Riccia” at the Institute of Applied Physics, University of Hamburg 2001

MICHELE CASCELLA



H-Index: 114
Sede lavoro: European XFEL (Germania)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: fisica, particelle, interazioni fondamentali, interazioni particelle materia, rivelatori, rivelatori di particelle, rivelatori di radiazione, ricerca e sviluppo, RnD, research and development, big data, data scientist, acquisizione dati, calibrazione

04/2018 – CURRENT – Hamburg, Germany Detector Support Scientist European X-Ray Free-Electron Laser Facility GmbH X-ray detector (CCD, active pixels) data analysis, calibration and performance optimization. On-site and on-call support for experimental activities. Detector documentation project coordination. 11/2013 – 04/2018 – London, United Kingdom Senior Research Associate (Detector Physicist) University College London Design of the AWAKE spectrometer data acquisition system. Construction and commissioning of the SuperNEMO tracker. Member of the SuperNEMO Analysis board. Coordinator for the construction of the SBND UK ultra high voltage feed-through. Teaching assistant and guest lecturer for several courses. 02/2012 – 11/2013 – Lecce, Italy Assegno di ricerca (Research Associate) Università del Salento Prototype and design of an ultralight wire chamber for MEG II e Mu2e. Characterization of gas mixtures for particle tracking.



SALVATORE CHIANTIA

H-Index:	20
Sede lavoro:	Potsdam Universität (Germania)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	virus, microscopy, fluorescenza

Salvo Chiantia studied Physics in the University of Palermo where he graduated in 2003. In 2008, he obtained his PhD in Physics under the supervision of Prof. Schwille in the TU-Dresden, working on a combination of atomic force microscopy and single-molecule fluorescence for the study of cellular membranes. In 2009, he received a fellowship from the Life Science Foundation through the Howard Hughes Medical Institute to carry on his postdoctoral studies at Stony Brook University, NY. Since 2015, he is Junior Professor in the University of Potsdam, Germany. His research focus is the study of the assembly of the Influenza virus in infected cells by means of advanced quantitative optical microscopy.

PIER DAVIDE CIAMPA



H-Index:	13
Sede lavoro:	German Aerospace Center, DLR (Germania)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics PE8 Products & process engineering
Keywords:	aerospace, digitalization, R&D, management, system engineering, product development, complex systems, aircraft design

Pier Davide Ciampa is Project Manager and Head of the Multidisciplinary Design and Optimization Group at the DLR, German Aerospace Center. In 2008 he joined DLR as researcher with focus on development of unconventional aircraft configurations. From 2015 he is the head of the MDO and MBSE activities at DLR, Aircraft Design and Systems Integration Department. His research focuses on digital transformation approaches accelerating the design and optimization of complex aerospace products. He is principal investigator in many international aircraft development projects, and responsible for project acquisition and road-mapping activities. He is the Project Coordinator of the European funded research projects AGILE and AGILE4.0, including 25 worldwide partners. He authored more than 50 publivation at international conferences, journals, invited guest lecturer at several organizations and at more than 30 keynotes as expert. In 2018 he received the "ICAS Award for Innovation in Aeronautics".



CLAUDIA CROCINI

H-Index:	13
Sede lavoro:	Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC) (Germania)

SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Biotechnology, Cardiac physiology, induced pluripotent stem cells, Cardiac disease, Cardiac hypertrophy

I am a post-doctoral fellow at the BioFrontiers Institute, University of Colorado Boulder U.S.A. and currently visiting scientist at the Max Delbrück Center for Molecular Medicine in the Helmholtz Association in Berlin, Germany. My work focuses on understanding cardiac physiology and diseases employing a variety of different technologies. I'm a curious and motivated scientist with multi-year international work experience, excellent academic track-record, and over five years of experience successfully leading cross-disciplinary teams. I am a skilled and effective communicator, having presented at 30+ international conferences and authoring 20+ peer-reviewed publications. I have received funding from the American Heart Association, Human Frontiers Science Program (HFSP), Marie Skłodowska-Curie fellowship and the DZHK (in Germany).



GIANAURELIO CUNIBERTI

H-Index:	53
Sede lavoro:	TU Dresden (Germania)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis
Keywords:	Molecular Electronics

Prof. Gianaurelio Cuniberti holds since 2007 the Chair of Materials Science and Nanotechnology at the Dresden University of Technology. He leads the Nanobiomaterials Department of the Max Bergmann Center of Biomaterials Dresden and is the founding director of the Dresden Center for Computational Materials Science (DCCMS). He studied Physics at the University of Genoa and at the University of Hamburg and was visiting scientist at MIT and the Max Planck Institute for the Physics of Complex Systems Dresden. From 2003 to 2007 he was at the head of a Volkswagen Foundation Junior Research Group at the University of Regensburg. His research activity is internationally recognized in more than 300 scientific papers to date. He is distinguished visiting Distinguished Professor at the Division of IT Convergence Engineering of POSTECH, the Pohang University of Science and Technology and Adjunct Professor for the Department of Chemistry at the University of Alabama.



DANILO DESSÌ

H-Index:	7
Sede lavoro:	FIZ Karlsruhe (Germania)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Artificial Intelligence, Machine Learning, Semantic Web, Knowledge Graph

Danilo Dessì is a Post-Doctoral Researcher/Senior Researcher at FIZ Karlsruhe – Leibniz Institute for Information Infrastructure and Karlsruhe Institute of Technology (KIT), Institute of Applied Informatics and Formal Description Methods (AIFB) with Prof. Dr. Harald Sack. He holds a Master's degree and a Doctoral degree from the Department of Mathematics and Computer Science of the University of Cagliari (Italy). His PhD thesis was supervised by Prof. Diego Reforgiato Recupero. He has been visiting researchers in the following centers all around the world: Philips Research (Eindhoven, 2016), Center for Data Science NYU (New York City, 2017), Knowledge Media Institute – The Open University (Milton Keynes, 2018), and Laboratoire d'informatique de Paris Nord – University of Paris 13 (Paris, 2019). The list of his publications are accessible on DBLP, Scopus, and Google Scholar.

ANTONIO DI NITTO



H-Index:	13
Sede lavoro:	Universita' di Mainz (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE4 Physical & Analytical Chemical sciences
Keywords:	Reazioni Nucleari, Spettroscopia Nucleare, Chimica Nucleare

****Affiliations JGU Mainz, Nuclear Chemistry Institute INFN di Napoli ****Work experience 08.2012– present : Post-doc at JGU, located at GSI 08.2010–08.2012: Post-doc at INFN Napoli ****Education 2009: PhD in Physics, Univ. Napoli and INFN 2006: Laurea Magistrale in Physics, grade 110/110 cum laude, Univ. Napoli ****Scientific Habilitation 04.2017 ASN Prof. II Fascia in Fisica Sperimentale 02/A1 (2017-2023) ****Awards September 2011: SIF Prize "Quirino Majorana" for outstanding young researchers in Physics ****Languages Italian (mother tongue), English (fluent), German (basic) ****Referee activity Physical Review C ****Mentorship Co-supervisor of two Bachelor students, Co-supervisor of a PhD students ****Publications 54 Original Research Papers and Conference Proceedings ISI, 580 Citations, 13 h-index Web of Science/Scopus. ****Talks, Posters and Seminars 40 inter. Conf. and work. attended, 20 invited talks, 5 posters, 4 invited seminars



SIMONE DI PIETRO

Sede lavoro:	Technische Universität Kaiserslautern (Germania)
SSD:	14 - Scienze politiche e sociali
ERC:	SH3 Environment & society

Early Stage Researcher Fellow in the RE-CITY ITN Project (Reviving Shrinking Cities. Innovative paths and perspectives towards livability for shrinking cities in Europe), MSCAction Horizon 2020. PhD candidate Spatial Environmental Planning at Technische Universität Kaiserslautern Germany, PhD candidate in Public Policies and Development at University of Guadalajara Mexico. Master in Socio-Environmental Studies (FLACSO Ecuador), Renewable Energies (Polytechnic University of Cartagena), Development Sciences and International Cooperation (Sapienza University of Rome). Bachelor's degree in Political Science and International Relations (Sapienza University of Rome).



CLAUDIA DRAGO

Sede lavoro:	Universität Potsdam (Germania)
SSD:	04 - Scienze della terra 05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Ecotossicologia, Microplastiche, Invertebrati, Attività enzimatica, Risk Assessment , Statistica, Rstudio.

Ho conseguito la laurea triennale all´Universitá di Palermo con una tesi in ecologia marina (Foraminiferi), ho effettuato il tirocinio al CNR di Capo Granitola, Trapani, Sicilia. Ho frequentato il Master di primo livello all´Università del Salento in Biologia Marina, dove ho svolto una tesi riguardante le microplastiche. Durante la mia formazione ho partecipato al

progetto Erasmus studio (Oviedo, Spagna, 9 mesi, facoltà di Biologia) e Erasmus+ (University of Exeter, UK, 4 mesi, Ecotossicologia). Parlo inglese (B1), spagnolo (C1), Tedesco (A2).



MARCO DURANTE

H-Index:	54
Sede lavoro:	GSI Helmholtzzentrum für Schwerionenforschung (Germania)
SSD:	02 - Scienze fisiche
ERC:	LS7 Diagnostic tools, therapies & public health PE2 Fundamental constituents of matter
Keywords:	Fisica Medica, Radioprotezione nello spazio, radioterapia

Prof. Dr. Marco Durante is Director of the Biophysics Department at GSI Helmholtz Center for Heavy Ion Research (Darmstadt, Germany) and Full Professor of Physics at the Technical University of Darmstadt. He got his Ph.D. in Physics in 1992 at the University Federico II in Italy, and has dedicated his research efforts to the biophysics of high-energy charged particles, with applications in cancer therapy and space radiation protection. He is generally recognized as world leader in the field of medical physics and is co-author of over 400 papers in peer-reviewed scientific journals (h-index=54) and one patent on proton therapy.



DAVIDE ESPOSITO

H-Index:	17
Sede lavoro:	Springer Nature (Nature Catalysis) (Germania)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	Catalisi, Biomasse, Materiali, Carboidrati

2017-presentEditor: Nature Catalysis, Springer Nature, Germany 2012-2016Group Leader: MPI for Colloids and Interfaces, Germany 2011-2012Postdoctoral Research: MPI for Colloids and Interfaces, Germany 2006-2012PhD Studies: Department of Chemistry, ETH Zürich, Switzerland 2000-2006 “Laurea” in Chemistry: University of Naples “Federico II”, Italy, with a semester at Leiden University (2014, Erasmus Project), The Netherland Peer reviewed Publications: 2 book chapters + 33 peer-reviewed publications (4 first author, 23 corresponding author, 26 without PhD supervisor). Topics: Catalysis, Biomass Valorization, Material Science, Carbohydrate chemistry Experience: Research and lab management, Budget administration, Science writing, Student supervision, Organization of seminars and symposia, Teaching Languages: Italian, English, German, Spanish

DAVIDE FAGGIONATO



Sede lavoro:	TRAIN Omics (Germania)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health
Keywords:	biotecnologie, biotechnology, immunologia, immunology, biology, biologia, molecular biology, biologia molecolare, molecular genetics, genetica molecolare, evolutionary biology, biologia evoluzionistica, bioinformatics, bioinformatica, personalized medicine, medicina personalizzata, biochemistry, biochimica

Davide Faggionato earned his Master of Science in Biotechnology from the University of Padua (Italy) in 2003. He worked as research associated at the institute for Tree physiology of the University of Freiburg, Germany and in 2005 started his PhD in Molecular Genetics in the lab of Prof. Ralf Baumeister, at the faculty of Biology of the university of Freiburg. He graduated in 2011 with the doctoral thesis: “Suppressors of developmental myogenesis defects resulting in Duchenne muscular dystrophy, genes and mechanisms”. From 2011 until 2017 he worked as a postdoc in the lab of Prof. Shozo Yokoyama (Emory University, Atlanta, GA) and of Prof. Jeanne Serb (Iowa State University, Ames, IA) studying the function and molecular evolution of the light-sensitive proteins opsins. In 2018 worked as a research associate at the Julius Kühn institute in Braunschweig, Germany. Since May 2018 he works as the scientific coordinator of the TRAIN Omics Network in Hannover, Germany.



SEBASTIAN FRANCHINO-VINAS

H-Index:	10
Sede lavoro:	Helmholtz-Zentrum Dresden-Rossendorf (Germania)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE1 Mathematical foundations

I'm a theoretical physicist, devoted to the study of quantum gravity. During the last years I've been working as postdoc in the Helmholtz-Zentrum Dresden-Rossendorf, University of Heidelberg and University of Jena.



GIANLUCA GALEOTTI

Sede lavoro:	Deutsches Museum (Germania)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis
Keywords:	2D Materials, Surface Science, STM, XPS, ARPES

Born and raised in Rome, I did my university studies at the University of Rome Tor Vergata, pursuing a degree in Material science and technology. After a bachelor thesis on "antireflective coatings for solar cells" I was fascinated by condensed matter physics in a master thesis where I learned about UHV, XPS and the surface science field. Wanting to broaden my horizon, I moved to Canada for my PhD, at the INRS-EMT in Montreal. Here, under the guidance of Prof. F. Rosei, I started to study and realize nanostructures on metallic surfaces in UHV conditions, learning to use STM, ARPES, RAMAN and other characterization technique. I further expanded my knowledge on 2D materials - and 2D conjugated polymers in particular - during my Post-Doc at the CNR-ISM in Rome with Prof. G. Contini. Currently, I'm trying to bring such materials outside of UHV into the real word while working at the Deutsches Museum in Munich, under the guidance of Prof. M. Lackinger.



ENRICO GARALDI

Sede lavoro:	Max-Planck-Institut fuer Astrophysik (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Galaxy formation, cosmic reionization, cosmology, high-performance computing, hpc, numerical simulations, hydrodynamics, radiative transfer

I am an astrophysicist at the Max-Planck-Institut fuer Astrophysik (Munich). I mainly work on galaxy formation and cosmic reionization, but also have interest in cosmology and code development. My main research tool is large state-

of-the-art numerical simulations. Languages: Italian, English, German Technical skills: (advanced) C/C++, python, LaTeX, AREPO, GADGET (intermediate) bash, UNIX, FORTRAN, git, MPI, openMP Research experience and education: Bachelor degree in Physics (2012), Master's degree in Theoretical Physics (2014), PhD in Astrophysics (2019), Visiting scientist at University of California Santa Cruz (2018), Research Fellow at Max-Planck-Institut fuer Astrophysik (present). Research activities: I have published numerous papers in scientific journals, I have acted as referee, I was awarded 51 millio CPU-hours by the German LRZ supercomputing center, I routinely take part and organize in outreach activities, I have been awarded in scientific visualization competitions.



GIANLUCA GELONI

Sede lavoro: European XFEL (Germania)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

Gianluca Geloni is a physicist at the European XFEL. His interests are at the interface between (electron) particle accelerators and radiation generation by ultrarelativistic electrons. He studied at Universita` di Genova (Italy) and he received his Doctoraat in Physics in 2003 from the Technische Universiteit Eindhoven (The Netherlands). He spent the following years working at DESY, HASYLAB (Germany), and in 2010 he joined the European XFEL, where he became leader of the Simulations of Photon Field (SPF) group and later of the FEL Physics group (FPH).



PAOLO GIUBELLINO

H-Index: 90
Sede lavoro: GSI Helmholtzzentrum (Germania)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter PE9 Universe sciences
Keywords: fisica nucleare, strumentazione

Paolo Giubellino is an experimental Physicist working on High-Energy Nuclear Collisions. After six years leading the ALICE experiment at CERN, he is since Jan 1st 2017 the Scientific Managing Director of the GSI Helmholtz Center and of the FAIR international Laboratory, Darmstadt, Germany. Since Jan 2017, he is full Professor at the Institut für Kernphysik of TU Darmstadt. Author of over 300 scientific papers, he has been awarded several recognitions, among which the Medal of the Mexican Physical Society, the Honorable Mention of the Ministry of Education of the Slovak Republic and two Doctor honoris causa degrees. In 2012, he has received from the Italian President Napolitano the title of “commendatore” for scientific merits. In 2013 he has been awarded the “Enrico Fermi” Prize of the Italian Physical Society. In 2014 he has been awarded the “Lise Meitner” Prize, the highest recognition for Nuclear Physics of the European Physical Society. Member of the Academia Europaea.



ANDREA GRAZIADEI

Sede lavoro: Technische Universitat Berlin (Germania)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Biochmica Structural Biology Biologia strutturale NMR crosslinking mass spectrometry biophysics

PostDoc researcher at the Technische Universität Berlin in the lab of Prof. Juri Rappsilber. I focus on protein structure, molecular mechanisms and structural systems biology. Expertise in protein biochemistry, structural modeling, NMR, crosslinking mass spectrometry, small angle scattering.

LORENZO LAGOSTINA



Sede lavoro:	RKI (Germania)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS8 Evolutionary, population & environmental biology
Keywords:	environmental microbiology, microbial ecology, viral ecology, biodiversity, environmental sampling

Biologist of integrity, graduated as PhD in environmental microbiology. Before and during my PhD project, I: • Contributed in the start and establishment of an international research group, implementing molecular biology techniques and integrating high throughput datasets • Participated in field campaigns in 4 continents on land and water. This taught me how to be at ease working in team under stressful circumstances, and make the best out of unplanned events • Learned how to collaborate and manage projects involving multiple institutions I am amused by exploring new ways to visualize data and look for biological patterns. I particularly enjoy to produce high quality figures using illustrator. I personally thrive by connecting with an array of diverse humans and environments.

ENRICO DOMENICO LEMMA



H-Index:	11
Sede lavoro:	Karlsruher Institut für Technologie (Germania)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis

I am a young researcher in the field of 3D printing/direct laser writing. I am an Engineer by training and I earned a PhD in Materials and Structural Engineering and Nanotechnology from Istituto Italiano di Tecnologia and Università del Salento in 2018. Since then, I have been working as a Postdoc (Alexander-von-Humboldt-Stiftung Postdoctoral Fellowship) at the Karlsruhe Institute of Technology. My research is also pursued under the framework of the German Excellence Cluster 3DMM2O, and includes the following: fabrication of innovative materials for 3D micro-printing (two-photon lithography), creation of 3D scaffolds for studying cell biology, and investigation of cell/materials interactions with particular reference to mechanobiology and mechanotransductional pathways. Ongoing cooperations include several research groups in Germany (KIT, UniKlinikum Aachen) and in Italy (IIT).

LILIANA LIVERANI



H-Index:	17
Sede lavoro:	Friedrich-Alexander-University Erlangen-Nuremberg (Germania)
SSD:	03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis
Keywords:	biomedical engineering, biomaterials

Dr.Ing. Liliana Liverani is currently senior researcher at the Institute of Biomaterials, Friedrich-Alexander University (FAU) Erlangen-Nuremberg. Her main research interests are in the field of materials synthesis, processing and characterization, mainly focused on healthcare applications. She joined FAU in 2015, when she was awarded a Marie

Sklodowska Curie Individual Fellowship. Since the end of the project, in 2017, she is coordinator for the training of visiting researchers at FAU for 2 EU projects. She is used to work in international and interdisciplinary teams, being involved in several international projects, showing abilities of project management. Since 2019, she has been appointed as National Chapters Liaison Officer at the Young Scientific Forum of the European Society for Biomaterials. As background, she received bachelor, master and PhD in Biomedical Engineering. She is author and co-author of several scientific papers and she is also involved in educational activities.

GIULIO NAPOLITANO



H-Index:	12
Sede lavoro:	Centogene GmbH (Germania)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE6 Computer science & informatics
Keywords:	Artificial Intelligence; Knowledge Representation; System Biology; Multiomics

AI Project Lead for multiomic data integration and analysis (Centogene) and Senior Researcher (InfAI). Previously: Senior Researcher and Competence Area Leader (QA and Dialogue Systems) at Fraunhofer IAIS; Question Answering Team Leader at UniBonn Smart Data Analytics. Leading research projects funded by industry, by national bodies and the EU. In the past: Senior Scientist at Bonn University Clinic and Researcher and Senior IM&T Officer at the Centre for Public Health, Queen's University Belfast. Awards: 2014 Excellence in Innovation Award; 2008 Innovation in Oncology Award. Software engineering experience with Siemens Medical Solutions in Rome. Current interests: artificial intelligence, multiomics, drug target discovery, semantic technologies, question answering, NLP. Broad interests: philosophy of science and epistemology, mathematical modelling for medicine, medical informatics, epidemiology. Studied Philosophy, Physics and Astrophysics, Bioinformatics, Applied Mathematics.

LIVIO OBOTI



H-Index:	11
Sede lavoro:	Humboldt Universitat (Germania)
SSD:	05 - Scienze biologiche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	neuroscience, olfactory system, vomeronasal system, amygdala, chemical senses, evolution, social behavior, social communication, electrosensory system, weakly electric fish

My main research interest is to investigate the neural bases of motivated social behaviors. I have dedicated several years to the study of the physiology and anatomy of the mouse vomeronasal system. My current research work is aimed at mapping and dissecting value-processing circuits in the fish brain. I am particularly interested in homologous circuits involved in the attribution of value to social communication signals (pallial amygdala-like circuits). As of today, it is still highly debated whether fish are capable of adding to sensory processing the cognitive depths required for constructing emotions, even in very basic contexts such as pain perception. In addition to that, I am working on a newly hypothesized role for electric signals as part of active probing strategies during unconditioned social approaches.



SIMONA OLIVIERI

Sede lavoro:	Freie Universität Berlin - Seminar für Semitistik und Arabistik (Germania)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Arabic, Linguistics, Arabic linguistic tradition, Digital Humanities

Simona Olivieri is wissenschaftliche Mitarbeiterin (post-doc) at the Seminar für Semitistik und Arabistik of Freie Universität Berlin. Her research interests include Arabic language and linguistics, the Arabic linguistic tradition, and Digital Humanities. Her research focuses on the Arabic linguistic thinking, and especially on the development of the grammatical tradition. Most recently, her publications have focused on the development of the specialized linguistic lexicon, and on the relations between the Greek and the Arabic linguistic tradition. At FU Berlin, she teaches Arabic linguistics, comparative Semitics, and Digital Humanities.



SIMONA PIERDOMINICI

H-Index:	14
Sede lavoro:	Helmholtz Center Potsdam German Research Center for Geosciences, GFZ (Germania)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Geofisica

Scientific Experience 2011-presentResearch scientist at Helmholtz-Zentrum Potsdam, Deutsches GFZ, Germany 2004-2011 Postdoc at INGV, Italy 2001-2004 Ph.D. in Geophyiscs at University of Bologna, Italy My main research topics focus on the (i) study of the present-day stress field by stress measurements (borehole test and downhole logging), (ii) and physical properties of the rocks and sediments by downhole logging and core log data. I was and am still involved in several ICDP and non-ICDP scientific drilling projects as scientist (e.g. Hawaii, DeepChalla, Lake Junin, HotSpot, Cosc-1, AnDrill, SAFOD). Currently I am the Principal Investigator of two DFG-SPP1006 projects and one supported by GFZ. I am the co-supervisor of a PhD student Mr. Felix Kästner.



NICOLA ALESSANDRO PINNA

H-Index:	63
Sede lavoro:	Humboldt-Universität zu Berlin (Germania)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis

Nicola Pinna studied physical chemistry at the Université Pierre et Marie Curie (Paris). He received his Ph.D. in 2001, and in 2002, he moved to the Fritz Haber Institute of the Max Planck Society (Berlin). In 2003, he joined the Max Planck Institute of Colloids and Interfaces (Potsdam). In 2005, he moved to the Martin Luther University, Halle-Wittenberg, as an Assistant Professor of Inorganic Chemistry. From March 2006 to June 2012 he was researcher at the Department of Chemistry and CICECO of the University of Aveiro and from September 2009 to June 2012 he was also Assistant Professor at the school of chemical and biological engineering Seoul National University in the framework of the world class university project founded by the National Research Foundation of Korea. In July 2012 he joined the Department of Chemistry of the Humboldt University in Berlin. In 2011 he was ranked among the top 100 materials scientists of the past decade by impact.

NICOLA POCCIA



H-Index:	27
Sede lavoro:	Leibniz Institute for Solid State and Materials Research Dresden (IFW). (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	superconductivity, low dimensional systems

Nicola Poccia received his PhD in Physics from the University of Rome "La Sapienza" and he has worked as postdoctoral researcher for long periods at the University of Twente and at Harvard University in USA. Currenly, is the head of a research group in Germany at the Leibniz Institute for Solid State and Materials Research Dresden (IFW). His research interests lie on the frontier aspects of condensed matter physics, motivated by the study of emergent properties in quantum materials. He combined different experimental approaches coming from advanced synchrotron radiation microscopies to nanofabrication and quantum transport, looking for novel ways to control and integrate quantum complexity in devices. SITO WEB: https://www.superpuddles-lab.de/

LAURA RAGO



H-Index:	7
Sede lavoro:	Helmholtz Centre for Environmental Research - UFZ (Germania)
SSD:	05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS8 Evolutionary, population & environmental biology LS9 Applied life sciences & biotechnology
Keywords:	Biotecnologia, Bioelettrochimica, Microbiologia, Ecologia microbiana

I am a Ph.D in Biotechnology on the molecular microbiology study of microorganisms that colonize bioelectrochemical systems (BES). My training started from the medical biotechnology and nanotechnology, progressed to environmental microbiological approaches to treat dangerous gases, to arrive finally to the microbiological study of different BES inoculated with anaerobic pure and mixed cultures, which was also the focus of my PhD thesis. I have conducted my research in different countries and different research groups. I have collaborated with different research groups across the world resulting in different publications I worked and collaborated with some of the leading international biotechnology research groups across the world (Italy, Spain, Portugal, USA among others) with diverse Microbial Electrochemical Technology (MET) expertise. I have already published 14 peer-reviewed articles and one book chapter (https://www.scopus.com/authid/detail.uri?authorId=55848473100).



MARIA TERESA RENZI-SEPE

Sede lavoro:	Universität Leipzig (Germania)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production

I am an Italian PhD candidate in Assyriology at the Altorientalisches Institut of Leipzig. After a B.A. and an M.A. in Archaeology at the Sapienza University of Rome, I won the PhD Scholarship of the Gerda Henkel Stiftung in 2017 and moved to Germany. Currently, I am writing my dissertation on the phenomenon of Astralization and the celestial omens

of the Pleiades in the cuneiform culture. From June 2019, I started working as a Wissenschaftliche Mitarbeiterin at the Altorientalisches Institut of Leipzig, where I teach Akkadian language courses and seminars on divination, astronomy, and astrology in ancient Mesopotamia.



FRANCESCO ROSATI

Sede lavoro:	Forschungszentrum Juelich (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Computazione Quantistica, Ottica quantistica, Ottimizzazione e controllo di sistemi quantistici aperti

Sono un dottorando nel gruppo del prof. Frank Wilhelm-Mauch con doppia affiliazione presso il Forschungszentrum Juelich e l'Universitaet des Saarlandes. Mi occupo di Meccanica Quantistica a livello teorico al fine di migliorare le performance delle tecnologie quantistiche utili a realizzare i computer quantistici.



LEONARDO ROSSI

Sede lavoro:	RWTH Aachen University (Germania)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Sismica

Sono un ingegnere civile, con esperienza nel ramo della protezione delle strutture dagli effetti del terremoto. Recentemente, ho svolto un progetto di ricerca, in Germania, avente come oggetto la ricostruzione post-sisma in Emilia-Romagna.



ANTONIO SETARO

Sede lavoro:	Freie Universität Berlin (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE4 Physical & Analytical Chemical sciences
Keywords:	Condensed Matter Physics, Optics and Spectroscopy, Low-Dimensional Materials, Graphene and Carbon Nanotubes, Plasmonics

Laurea Degree in Physics, supervision of E. Santamato, highest grade (110 e lode), Naples University Federico II. Ph.D. in fundamental and applied physics, Naples University Federico II. 2006-2008: Post-doc at the materials optic lab of P. Maddalena, Naples University Federico II. Since 2008 Lecturer at the Physics Department of the Free University Berlin (Germany). Author of 47 peer-reviewed publications, h-factor 16 (ISI). 19 invited presentation, 35 contributed talks on international conferences. Reviewer in several magazines and for the FWO (Flemish research council). PI of several projects funded through selective procedures. Organizers of the symposium "Molecularly-functionalized low-dimensional systems" for the CMD conference of the European Physical Society. Guest editor in Physica Status Solidi B (Wiley) for the special issue on the “optical properties of novel materials”. Responsible of the Topical Section "Molecularly-functionalized low-dimensional systems".



LORENZO TESI

H-Index: 13
Sede lavoro: Stuttgart University (Germania)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences

Lorenzo Tesi. Dal 2019 sono ricercatore PostDoc all'Istituto di Chimica Fisica dell'Università di Stoccarda in Germania. Ho conseguito il dottorato in Chimica in data 08/03/2019 presso l'Università di Firenze, sotto la supervisione della Prof.ssa Roberta Sessoli. Ho conseguito la laurea triennale e magistrale in Scienze Chimiche all'Università di Firenze nel 2013 e 2015, rispettivamente. I miei argomenti di ricerca includono magnetismo molecolare, quantum bits molecolari, risonanza magnetica elettronica e spettroscopia Terahertz. Ho diverse pubblicazioni in riviste di alto livello ed ho partecipato a numerose conferenze internazionali come relatore, oltre ad essere stato invitato a presentare seminari in diversi gruppi di ricerca. Ho esperienza nell'insegnamento universitario, maturato sia in Italia che in Germania.



LARA TRUSSARDI

H-Index: 0
Sede lavoro: Universität Konstanz (Germania)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

non disponibile



VALENTINA VALORI

Sede lavoro: Technische Universität Ilmenau (Germania)
SSD: 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC: PE3 Condensed matter physics
Keywords: Meccanica dei fluidi, Turbolenza, PIV

Valentina Valori currently works as Marie Curie Research fellow at TU Ilmenau (DE) with a project on extreme events of energy dissipation in thermal convection. She graduated in Energy Engineering at University of Pisa in 2012 (cum laude). She obtained a Ph.D. in Fluid Mechanics from TU Delft (NL) in January 2018 (advisors Prof. T.H.J.J. van der Hagen and Prof J. Westerweel). In her Ph.D. she studied experimentally thermal convection of a fluid above the gas-liquid critical point, applying the Particle Image Velocimetry (PIV) technique. From 2018 to 2020 she worked as postdoctoral researcher in Dr. Dubrulle's group at CEA-Saclay (FR). Her postdoc focused on the study of intermittency and extreme events of energy dissipation in turbulence through advanced experiments (tomographic PIV and 4D Particle Tracking Velocimetry). From February 2020 to May 2021 she did a postdoc in Prof. Schumacher's group at TU Ilmenau working on thermal convection.



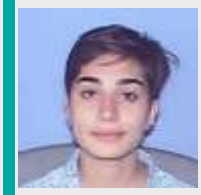
CARLO ZANONI

Sede lavoro: European Southern Observatory (Germania)
SSD: 09 - Ingegneria industriale e dell'informazione

ERC:	PE8 Products & process engineering
Keywords:	technical management, industrial contracts, scientific consortia, lead development process, technical specifications, formal reviews, design and analysis, manufacturing, finite elements, thermomechanics, optomechanics, vibrations, cryogenics

European Southern Observatory (Munich, DE) Mechanical Systems Engineer Dates: Jan 2018 – Present Follow-up Engineer for large industrial contracts and science collaborations for the development and construction of the Extremely Large Telescope (ELT). Analysis expert for thermo-mechanical and opto-mechanical performance. CERN (Geneva, CH) Mechanical Systems Engineer Dates: Nov 2014 – Oct 2017 Project/System Engineer and mechanical expert for design, analysis, and manufacturing of novel superconducting systems for the Large Hadron Collider update (HL-LHC). Supervision of several students and trainees. keywords: technical management - industrial contracts - scientific consortia - lead development process - technical specifications - formal reviews - design and analysis - manufacturing - finite elements - thermomechanics - optomechanics - vibrations - cryogenics

IRENE ZOI



Sede lavoro:	Universitaet Hamburg, Instituet fuer Experimentalphysik (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Particle Physics, data analysis, silicon sensors, pixel, search for new physics, CMS experiment, CERN

I am a PhD student in experimental particle Physics. I am part of the CMS experiment at CERN, analyzing data in a search for new Physics and testing new pixel sensor for the future upgrade of the CMS detector.

GIAPPONE



LUCA BAIOTTI

H-Index:	20
Sede lavoro:	Osaka University (Giappone)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	gravitational waves, neutron stars, black holes, simulations, education

I am currently a specially appointed associate professor in the Graduate School of Science of Osaka University, Japan. My work-research interests are mostly in astrophysics: gravitational waves, neutron stars, black holes and simulations thereof. However, I am interested in other fields and topics as well, also outside astrophysics and physics. For example, I am studying about education, in universities and elsewhere. I also teach physics in graduate courses. Part of my current job consists in creating and managing programs for international students at Osaka University, including double-degree programs.



NICOLA BARESI

Sede lavoro:	ISAS (Giappone)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE1 Mathematical foundations
Keywords:	Astrodinamica, Esplorazione Spaziale, Spazio, Teoria dei Sistemi Dinamici

I graduated in Physics from the University of Padova in 2011. After working at the Distributed Space Systems Laboratory of the Technion Israeli Institute of Technology in 2013, I moved to the United States where I attained a PhD in Aerospace Engineering Sciences from the University of Colorado Boulder. Since 2017, I have been involved in the Martian Moon eXploration project both as a JSPS postdoctoral fellow and JAXA Aerospace Project Research Associate at the Institute of Space and Astronautical Science in Sagamihara, Japan.



IRENE BONATI

Sede lavoro:	Tokyo Institute of Technology (Giappone)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Planetary science, planetary interiors, planet formation, magnetic field, extrasolar planets, magma ocean, mantle convection, astrobiology,

I am a second year PhD student at the department of Earth and planetary sciences of Tokyo Institute of Technology, working closely with scientists of the Earth-Life Science Institute (ELSI). In September 2017 I obtained a master degree in geophysics from ETH Zurich (Switzerland), with a thesis on the direct detection of molten protoplanets, generated by powerful collisions during the late stages of planet formation. I am currently conducting research on the evolution and diversity of planetary magnetic fields, under the supervision of Prof. Shigeru Ida and Prof. John Hernlund.



DALILA BURIN

H-Index:	4
Sede lavoro:	Tohoku University (Giappone)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	neuropsicologia

Assistant professor at Institute of Development, Aging and Cancer, Tohoku University, Sendai (JAPAN) PhD in Neuroscience, University of Turin. Main publications Burin D., Garbarini F., Bruno V., Fossataro C., Berti A., Pia L. "Movements and body ownership: evidence from the rubber hand illusion after mechanic limb immobilization" Neuropsychologia. 2017 Dec;107:41-47. Burin D., Salatino A., Pia L. “That’s my hand! Therefore, that’s my willed action: how body ownership acts upon conscious awareness of willed actions” Cognition. 2017 Sep;166:164-173. Burin D., Livelli A., Garbarini F., Fossataro C., Folegatti A., Pia L. (2015) "Are voluntary movements necessary for a normal body ownership? Evidence from rubber hand illusion in pure hemiplegic patients" PLoS One. 2015 Mar 16;10(3):e0117155.



ALBERTO CANARINI

H-Index:	9
Sede lavoro:	Kyoto University (Giappone)
SSD:	04 - Scienze della terra 05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Ciclo del carbonio, Ciclo dell'azoto, microorganismi del suolo, isotopi stabili, biogeochimica, ecologia microbica

I have obtained my PhD at The University of Sydney (Australia), where I specialized in soil biogeochemistry. After this experience I have obtained a Post doc position, followed by an University Assistant position at the same department (Terrestrial Ecosystem Research) at the University of Vienna (Austria). Currently I have obtained a grant from the JSPS (Japanese Society for the Promotion of Science) to carry my own research at Kyoto University (Center for Ecological Research), on plant-microbe interactions. My main research interest is in the role of plant and soil microbe interactions in regulating the cycles of carbon and nutrients within the atmosphere-plant-soil continuum. Global biogeochemical cycles are highly relevant also for human beings, given their involvement in regulating global warming and environmental pollution. While soil microorganisms are emerging as one of the most important player in biogeochemical cycles, research in this field is still in its infancy.



CLAUDIO CAPIGLIA

Sede lavoro:	Talga (Giappone)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Lithium ion batteries, Electrodes, Electrolytes, Lithium ion Battery and Battery Materials Plants Engineering, Electric Vehicles

25 years experience in Japan’s lithium-ion battery industry. Holds exclusive research development and manufacturing know-how of advanced materials, cell design, battery pack and integrated energy storage system with renewable energy source and in Electric Vehicles. Strong expertise in managing battery industry value chain and managing the engineering design for production plant of advanced battery materials and battery manufacturing. Previously held executive

positions in Europe, USA, and Japan, such as the Head of Battery Technology at Recruit R&D: Established and manage ventures between European and Japanese corporations. Co-founder and Chief Technology Officer of the original Li-ion cell manufacturers in Europe. Senior Scientist for Solid-State Battery technologies for Toyota: developed the original concept of Solid-State Batteries for EVs. In 2021 awarded the position of Honorary Professor at Deakin University, Australia.



PIERO CARNINCI

H-Index: 97
Sede lavoro: RIKEN (Giappone)
SSD: 05 - Scienze biologiche
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords: genomics, genetics, lncRNA, transcription

Born and Educated in Italy I obtained my doctoral degree at the University of Trieste in 1989. From 1990 to 1995 I have developed technologies for DNA extraction and DNA sequencing in a start-up company, Talent Srl. I moved to Japan in 1995 at RIKEN, Tsukuba Life Science Center as a postdoc to became a tenured researcher (1997). From 2008 I became a Team Leader, a Unit Leader and a Deputy Project Director at the RIKEN Omics Science Center in Yokohama. From April 2013, I became the Director of the Division of Genomic Technologies, Deputy Center Director at RIKEN Center for Life Science Technologies. From April 2018 I'm deputy Director of the RIKEN Center for Integrative Medical Sciences



EMANUELE COCCO

Sede lavoro: Ph.D. (Giappone)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences

Laureato con lode presso l'Università "La Sapienza" in Scienze Chimiche (indirizzo organico e biomolecolare), durante il mio percorso di tesi magistrale mi sono occupato di design e sintesi di interlocked systems (sitemi rotaxanici nello specifico). Attualmente sto svolgendo il mio dottorato presso la Tohoku University, sotto la supervisione del Professor Yujito Hayashi.



GIORGIO FABIO COLOMBO

H-Index: 5
Sede lavoro: Università di Nagoya (Giappone)
SSD: 12 - Scienze giuridiche
ERC: SH1 Individuals, institutions & markets
Keywords: Diritto comparato, ADR, Arbitrato, Diritto e Letteratura, Culture giuridiche

Giorgio Fabio COLOMBO is Associate Professor of Law at the Graduate School of Law of Nagoya University, where he is in charge of Comparative private law. Before that he was Visiting researcher at Ritsumeikan University (Kyoto), Adjunct Professor of Japanese Law (“Ca’ Foscari” University of Venice, Italy) and Research fellow of Comparative law at the University of Pavia (Italy). His research interest focuses on ADR, Arbitration, Private comparative law, Law and literature and Anthropology of law.



MATTEO CONVERTINO

H-Index:	22
Sede lavoro:	Hokkaido University (Giappone)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science
Keywords:	complex systems

Dr. Convertino is Associate Professor in the Graduate School of Information Science and Technology at Hokkaido University, Sapporo, Japan. He is the PI of the Nexus Group in the Division of Media and Network Technologies. Additionally Dr. Convertino is a faculty member of the GI-CoRE Station for Big-Data & Cybersecurity (Frontier Science Division with lead in the Data Science and Medical Informatics units) and in the Department of Electronics and Information Engineering at Hokkaido University. Dr. Convertino expertise is in complexity science focused on process- & data-based theoretical and computational modeling via information, network, and decision science models applied to biological, ecological, and socio-technological systems. The goal of Dr. Convertino research is to understand the dynamics of ecosystems (the ecology and evolution of populations), coupled to collective decisions, and their systemic impact in an ecosystem health perspective.



SARAH COSENTINO

H-Index:	7
Sede lavoro:	Waseda University (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Robotics, sensing, affective computing, smart user interfaces

Sarah is a hands-on engineer and enthusiastic academic researcher. She worked as a freelance collaborator in an Electronics company from high-school until earning her M.Sc. in Electronic engineering. After her graduation she moved to Japan for a prestigious 1-year industrial internship program, extended to a full employee contract by the company for another 2 years. She then enrolled in a Ph.D. course in Robotics in one of the top Japanese Universities. As an academic researcher she now collaborates with several other researchers across the globe, supervising interns and spending months in leading universities in U.S. and Europe. Her main interests are human physiology, human sensing, human communication, affective computing and human-robot interaction. She has experience in electronic design and assembly, in sensor systems and algorithms for applications mostly related to human sensing and human-robot interaction, and authored several publications on her work.



DAVIDE COSSU

H-Index:	14
Sede lavoro:	Juntendo University (Giappone)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection
Keywords:	multiple sclerosis, EAE, microbiology, immunology, autoimmunity

Nov 2018 – present: Assistant Professor at Department of Neurology of Juntendo University, Tokyo, Japan Nov 2016 – Oct 2018: Postdoctoral Fellow at Department of Neurology Juntendo University, Tokyo Nov 2015 – Oct 2016: Research Assistant at Department of Neurology Juntendo University, Tokyo Dec 2008 – Sep 2014: Research Assistant at Department of Biomedical Sciences, University of Sassari, Italy 2019: National Scientific Qualification (ASN) 06/A3

Microbiology and Clinical Microbiology 2016: Ph.D. Degree in Microbiology and Immunology at the Department of Biomedical Sciences of University of Sassari, Italy. 2013: Secondary Level Master Degree in Bioinformatics at University of Cagliari, Italy. 2007: Secondary Level Master Degree in Microbiology at University Institute of Science and Technology, Barcelona, Spain. 2005: Master of Science (MSc) in Biology at the Department of Animal Biology and Ecology University of Cagliari, Italy, with a score of 110/110 cum laude.



FABIO DALLA LIBERA

Sede lavoro:	Panasonic (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	robotica

Fabio DallaLibera received his Ph.D. degree in Computer Science from Padua University, Italy, in 2011. He was JSPS Postdoctoral Fellow at Osaka University, Japan (2011–2014) and a Specially Appointed Assistant Professor at Osaka University from 2014 to 2015. From 2015 he is a senior researcher at Panasonic. His research interests include physical human-robot interaction and the design of biologically inspired algorithms.

FEDERICO DE MARCHI

Sede lavoro:	Juntendo University (Giappone)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS9 Applied life sciences & biotechnology
Keywords:	Ematologia

10/2017-present Graduate research and phD student at Juntendo University,Japanese Mext scholarship 10/2016 – 10/2017 Post-Doctoral Research Fellow, Johns Hopkins University, Baltimore, USA 07/ 2012 –07/2017 Hematology Residency, Department of Hematology, University of Udine Final Grade: 110/110 cum laude •Molecular and Cellular Hematology – Cell lines models, siRNA, Stem cell assays, qRT-PCR, Digital PCR; Next generation sequencing for mutation detection and quantification in cancer; BCRABL monitoring and quantification according to Labnet network procedures, gene quantification in AML MRD, Chimerism microsatellites assessment in post-transplant patients. •Clinical Hematology Physician- Clinical Hematology, Cell therapy and Bone Marrow Transplant Unit 11 / 2011- 02 / 2012 Italian Medical Licence, Udine 09 / 2005 - 10 / 2011MD, Medical School, University of Udine, Italy Final grade: 110/110



ENRICO DI MARIA

Sede lavoro:	Kyushu Institute of Technology - Graduate School of Life Science and Systems Engineering (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Meccanica

After earning a Master's Degree in Mechanical Engineering at the University of Salento in 2016, I've been working in the automotive field for Toyota Motor Italy, before moving to Japan to start a Ph.D. in Engineering, in 2018, as a MEXT scholar. During my Ph.D., I had been focusing on the design of agricultural vehicles and the study of off-road vehicles mobility. I've completed the Ph.D. course in March 2021, and I'm currently a postdoc for Kyushu Institue of Technology. My current activities regard agricultural vehicles design and industrial robotic manipulators.



ANGELA FARAGASSO

H-Index:	10
Sede lavoro:	The University of Tokyo (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Robotica

Over the past years, I have been working in different fields of robotics applications, such as humanoids, rescue and medical. I did my master and bachelor studies at “La Sapienza” the University of Rome. During my master studies I won a scholarship and I joined for eight months the Center for Robot-Assisted Search and Rescue at the Texas A&M University under the supervision of Prof. Robin Murphy. My master thesis focused on the implementation of a visual servoing algorithm for humanoid robot navigation in human-like environment. I did my PhD at the Centre for Robotics Research (CoRe) at King’s College London, the research focused on the development of a visual-based stiffness sensing mechanism for medical diagnosis. After my PhD, in 2016, I won the JSPS Postodoctoral Fellowship for two years of Research in Japan and I joined the Service Robotics Laboratory at the University of Tokyo , where I am still working as Postdoctoral Researcher.



ALESSANDRO FELICIELLO

H-Index:	42
Sede lavoro:	J-PARC (Giappone)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	annihilation, hypernuclei, spectroscopy, decay

I am a senior researcher of the Istituto Nazionale di Fisica Nucleare. I am an experimental physicist, involved in hadron physics experiments. I started my career at CERN by studying the annihilation process of antiprotons and antineutrons with protons and nuclei (OBELIX experiment, 1986-1996). Then I spent few years in the Laboratori Nazionali di Frascati dell’INFN in order to perform a systematic study of the production and of the decay of Lambda-hypernuclei (FINUDA experiment, 1993-2011). Since 2009, I am leading a group of researchers working at J-PARC and participating in gamma-ray spectroscopy studies of light Lambda-hypernuclei and in the search for Csi-hypernuclei (ULYSSES experiment). In parallel, I am also involved in light Lambda-hypernuclei and anti-Lambda-hypernuclei characterization in the framework of the ALICE experiment at CERN. More details on my professional activity can be found at my web site: http://personalpages.to.infn.it/~feliciel/indexeng.html



VIVIANA MARIA FILÌ

Sede lavoro:	Ntt Basic Research Laboratories (Giappone)
SSD:	02 - Scienze fisiche
ERC:	PE5 Materials & Synthesis

September 2018-August 2019 Vulcanus in Japan EU-Japan Centre for Industrial Cooperation October 2016-todayMaster’s Degree in Solid State Physics University of Catania, Physics Department, Catania, Italy March 2015- June 2015 Erasmus traineeship Centre de recherche et de restauration des musées de France (C2RMF) Site du Carrousel, Palais du Louvre – Porte des Lions 14, quai François Mitterrand, 75001, Paris 29 August 2015-05 September 2015

"L'Astrofisica su Mediterranea" INAF, Istituto nazionale di Astrofisica, Progetto mediterranea Bachelor's degree in Physics with 108/110 University of Catania, Physics Department, Catania, Italy

MATTEO FRANCIONI



H-Index:	4
Sede lavoro:	Institute for Agro-Environmental Sciences, NARO (Giappone)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	GHG, plastiche biodegradabli, Servizi Ecosistemici, Stakeholder, Gas effetto serra, CO2, carbonio

I am a young researcher who has 8 years of working experience in the field of agricultural research and particularly on soil greenhouse-gas emissions, Ecosystem Services and biodegradable plastics in soil. I am a good team-player accustomed to evaluate collaborations as a great advantage and not as a limitation. I gained experience in time-managing my research work and scheduling my tasks to meet strict deadlines. Fluent in English, self-starter and quick learner.

ANNA GARANZINI



Sede lavoro:	Okinawa Institute of Science and Technology University (Giappone)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS5 Neurosciences & neural disorders

I am currently working as a technician at Prof. T. Takahashi's laboratory within the Cellular and Molecular Synaptic Function Unit of the Okinawa Institute of Science and technology university. My main task is to prepare and maintain cell culture and perform on them different treatments. I frequently worked with neuronal culture, therefore became familiar with the use of sterile hood. I gained ability in performing standard techniques such as bacterial cloning, maxiprep, miniprep and immunofluorescence. In addition, I often had to use the confocal microscope in order to analyze how cell culture react to different treatment. I'm also working with numerous animals (mice), performing animal manipulation such as collection of different regions of the brain from pups at day p1 or above. When necessary I perform genotyping on the different mouse transgenic line used in the lab. In this past year, I developed essential team working and communication skills which are put into practice daily.

LUIGI GERMINARIO



Sede lavoro:	Saitama University (Giappone)
SSD:	04 - Scienze della terra 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	PE10 Earth system science
Keywords:	Archaeometria, Beni culturali, Pietra, Degrado, Provenienza, Grotte, Monitoraggio ambientale, Materiali di cava, Geologia, Petrografia, Mineralogia, Geochimica, Petrofisica

Luigi Germinario holds a PhD in Earth Sciences (University of Padova) and a BSc/MSc in Science for Diagnostics and Conservation of Cultural Heritage (University of Bari). Currently, he is a postdoctoral research fellow in Japan at Saitama University, after previous experiences in Hungary as post-doc, and Germany and Canada as research student. His

interest is in archaeometry and applied petrography, in particular dealing with stone decay in the historical built environment and provenance studies of archaeological stone. He specializes in advanced methods of minero-petrographic, geochemical, and physico-mechanical characterization. Since 2014, he has been author of 8 papers on peer-reviewed international journals and several conference contributions.



ROBERTO IACONI

Sede lavoro: Kyoto University (Giappone)
SSD: 01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC: PE9 Universe sciences

Education - Ph.D. (2016): - M.Sc. (2010): - B.Sc. (2007): Employment history - 2018 - present: JSPS fellow Kyoto University (Kyoto, Japan) - 2016 - 2018: Research assistant, Department of Physics and Astronomy, Macquarie University (Sydney, Australia) - 2017: Information technology specialist, Macquarie University (Sydney, Australia) - 2017: PURE Research Management System Editor, Macquarie University (Sydney, Australia) - 2016: Information technology specialist in support of cloud computing projects, Macquarie University (Sydney, Australia) - 2013 - present: Undergraduate laboratory demonstrator and tutor, Macquarie University (Syd- ney, Australia) - 2011: Research assistant on the project “The quenching of star formation by type IIn super- novae”, Centre for Astrophysics and Supercomputing, Swinburne University of Technology (Mel- bourne, Australia)



PAOLA LAURINO

Sede lavoro: Okinawa Inst. of Sci. & Tech. Graduate Univ. (Giappone)
SSD: 03 - Scienze chimiche
ERC: LS1 Molecular & Structural Biology & Biochemistry

After receiving Ph.D. in Organic Chemistry from ETH Zurich in 2011, Dr. Laurino joined the group headed by Professor Dan S. Tawfik at Weizmann Institute of Science (Israel) in the Biological Chemistry Department as FEBS fellow. During her postdoctoral studies she had the opportunities to visit several laboratories including the group headed by Prof David Baker in Washington University and the group of Prof. Albert Jeltsch in Stuttgart University. Since October 2017 Dr Laurino is Assistant professor at Okinawa Institute of Science and Technology. Currently her main research interests are protein engineering and evolution. She is focused in applying chemical approaches and protein engineering to create synthetic biology tools to trigger cellular response and study biological pathways. She has presented her work in several meetings, including Gordon Research Conference and FEBS Congress.



FABIO LISI

Sede lavoro: University of Tokyo (Giappone)
SSD: 03 - Scienze chimiche
ERC: PE5 Materials & Synthesis
Keywords: Nanotecnologia

Dr. Fabio Lisi’s scientific research spans disciplines of sensor technology, nanomaterials fabrication, surface modification and characterisation, and has produced significant scientific outcomes. His research expertise extends to: • Preparation of nanomaterials, including core-shell semiconductor quantum dots, metal organic frameworks, liposomes, silica

particles and gold nanoparticles, and their surface modification with ligands and biomolecules (including antibodies, enzymes and DNA). • Development of bioassays and sensing systems, including ELISA, microfluidic systems and lateral flow assays. • Preparation of Sol-Gel/polymeric thin films via dip-coating, spinning and spraying techniques. • Characterisation of materials using a wide range of techniques, including spectroscopic methods, fluorescence microscopy, electron microscopy, mass spectrometry and gel electrophoresis. • Single-molecule studies via total internal reflection fluorescence (TIRF) microscopy.



ELIA MARIN

H-Index:	13
Sede lavoro:	Kyoto Institute of Technology (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis
Keywords:	biomateriali, ceramici, corrosione

I graduated in mechanical enginerring in 2007 at the University of Udine, then I followed a post-graduation master of one year in Metallurgical Engineering at the same University. I finally got my PhD in Metallurgical Engineering in 2012. From 2008 to 2014 I worked as a temporary research associated at University of Udine, then I spent two years in Japan as a JSPS research fellow. From 2018, I'm working as an Assistant Professor (tenure track) at the Kyoto Institute of Technology, under the program "Global Excellence". My main fields of research are corrosion science and materials interaction with biological environments.



PAOLO MELE

H-Index:	20
Sede lavoro:	Shibaura Institute of Technology (Giappone)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	superconductivity, thermoelectrics, oxides, thin films, nanoengineering, sustainable energy, heat harvesting, flux pinning, artificial nanodefects

Dr. Paolo Mele is currently Full Professor at Shibaura Institute of Technology in Tokyo, Japan. He obtained his doctorate in Chemical Sciences at Genova University (Italy) in 2000. His research interests include: materials for energy and sustainable development (superconductors and thermoelectrics); fabrication and characterization of thin films of oxides, ceramics and metals; study of the effect of nanostructuration on the physical properties; thermal transport; vortex matter. He is author of 100+ papers in scientific international journals, 4 book chapters, 2 patents and given 20+ invited talks at international meetings. He has experiences to organize several international conferences/symposiums including lead organizer of sustainable materials symposium at IUMRS-ICAM 2015, annual oxides and material science symposia at ICCE (2012~2017), superconductivity symposium and thermoelectric symposium at IUMRS-ICAM 2017, superconductivity symposium at MRS Spring 2018.



MATTIAS MENGONI

Sede lavoro:	Daimler Trucks Asia (Mitsubishi Fuso Trucks & Bus) (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Having Graduated with a Double Master Degree from Politecnico di Torino and University of Illinois and Chicago on which I focused on Micro/Nano Electromechanical Systems for Intra-Ocular Active Lenses, I moved to Japan as a recipient of the Vulcanus in Japan Fellowship. As part of the program I have worked as a Researcher in Active Optics Devices at Nikon and Essilor Joint Research Center. After the conclusion of this experience I have since shifted full time to the business side as Industrial Robotics Engineer, spending a total of 3 years and counting between KUKA Robotics and currently Daimler Trucks Asia where I work as a Project Manager in Process Automation for Trucks Manufacturing.



LUDOVICO MINATI

H-Index:	32
Sede lavoro:	Tokyo Institute of Technology (Giappone)
SSD:	02 - Scienze fisiche
ERC:	LS5 Neurosciences & neural disorders PE7 Systems & communication engineering
Keywords:	Neuroscienze, Robotica, Sistemi complessi, Caos

LUDOVICO MINATI (Senior Member, IEEE) has held research and consulting roles across public institutions and private companies, including the Institute of Nuclear Physics-Polish Academy of Sciences, the Carlo Besta Neurological Institute, Milan, Italy, and the Brighton and Sussex Medical School, U.K. He has authored more than 140 articles and several patents. He is currently a Specially Appointed Associate Professor with the Institute of Innovative Research, Tokyo Institute of Technology, Japan, an Affiliate Research Fellow with the Center for Mind/Brain Sciences, University of Trento, Italy, and a Freelance Research and Development Consultant. His research interests include non-linear dynamical systems, chaotic oscillators, reconfigurable analog and digital computing, functional magnetic resonance imaging, advanced techniques for bio-signal analysis, brain machine/computer interfaces, and robotics.



MARIA CHIARA MUNISSO

Sede lavoro:	Kansai Medical University (Giappone)
SSD:	06 - Scienze mediche
ERC:	PE5 Materials & Synthesis

Name MUNISSO Maria Chiara Current affiliated institution Department of Plastic and Reconstructive Surgery, Kansai Medical University (KMU), Osaka, Japan Academic Background LAUREA IN MATERIAL ENGINEERING, University of Trieste, Italy DOCTORAL DEGREE IN MATERIAL ENGINEERING, Kyoto Institute of Technology (KIT), Kyoto, Japan Employment history 2008 - 2010: POSTDOC, KIT, Kyoto, Japan 2011 - 2014: POSTDOC, National Cardiovascular Center Research Institute (NCVC), Osaka, Japan 2014 –2017: RESEARCHER, NCVC, Osaka, Japan 2017- up today: RESEARCHER, KMU, Osaka, Japan Academic honors Postdoctoral fellowship for foreign researchers: JSPS (2008- 2010) Monbukagakusho Scholarship: MEXT (2004- 2008)



OLIMPIA NIGLIO

H-Index:	8
Sede lavoro:	HOSEI UNIVERSITY (Giappone)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society
Keywords:	HISTORY OF ARCHITECTURE, CULTURAL HERITAGE

Olimpia NIGLIO is a professor in Comparative History of Architecture at Hosei University (Tokyo); She has been a Research Fellow at Kyoto University Graduate School of Human and Environmental Studies, Japan; Vice President ICOMOS PRERICO and ACLA, Asian Cultural Landscape Association. In 2020 she has founded the international project "Reconnecting with your culture". http://esempidiarchitettura.it/sito/edakids-reconnecting-with-your-culture/ Ph.D. (University of Naples-Federico II, Italy), Executive Master at Business School Rome, and Post- Ph.D. (Ministry of Education, Italy). More information, publications and academic activities: ORCID: https://orcid.org/0000-0002-5451-0239 ACADEMIA: https://kyoto-u.academia.edu/ONiglio



FRANCO NORI

H-Index:	103
Sede lavoro:	Chief Scientist, RIKEN (Giappone)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	quantum information, quantum optics. condensed matter, nanoscience, optics,

Professional Positions •2013— present: Chief Scientist. Theoretical Quantum Physics Lab, RIKEN, Japan. •2002— 2012: Team Leader, Frontier Research System and Advanced Science Institute, RIKEN, Saitama, Japan. •1990— present: Assistant Professor, Associate Professor, Full Professor and Research Scientist; Dept. of Physics, University of Michigan, Ann Arbor, USA. •1987—89: Postdoctoral Research Fellow, Institute for Theoretical Physics, University of California, Santa Barbara. •1982—87: Conicit Fellow and Graduate Research Assistant; Physics Department. Also at the Materials Research Laboratory; University of Illinois. Selected Distinctions, Awards, and Honors •2017 and 2018: Listed as a "Highly Cited Researcher", based on the Web of Science data. The only non-Japanese working in Japan in the Physics category. •Elected Fellow of the APS, IOP, OSA, and AAAS. •Foreign member of the Swedish Royal Academy of Arts and Sciences. https://dml.riken.jp/pub/



PIERLUIGI OLMATI

H-Index:	5
Sede lavoro:	Taisei Corporation (Giappone)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE1 Mathematical foundations
Keywords:	Explosion Protective Structures, Probabilistic design, Numerical simulations,

From May 2017 I work in TAISEI Corporation (Design Division - Nuclear Facilities) and previously I was a Researcher (International Fellow of the Japan Society for the Promotion of Science) at Tokyo Polytechnic University. I was also a former Design Engineer at AKT II (London) and post-doctoral researcher at the University of Surrey. My principal

expertise is the risk evaluation for blast resistant structures by means of structural (FEA), fluid dynamic (CFD) and Monte Carlo simulations. I am proficient in several FEA and CFD software packages and I have significant experience in working with multidisciplinary teams. Among my previous works, I investigated on insulated wall panels subjected to closed-in detonations, assisting with an ongoing research program at the Lehigh University in collaboration with the Air Force Research Laboratory (Florida, USA). I designed also experimental tests in cooperation with both Rheinmetall Defence and Carabinieri Corps (Italian Army).



SARA PALOMBO

Sede lavoro: Sophia University (Giappone)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH3 Environment & society
Keywords: environmental history, climate changes

My study and work experience helped me become an interdisciplinary researcher. From the humanities (language studies, customer service job) to the environmental sciences (environmental studies), my career forced me to reconsider actual realities under unexplored and interdisciplinary point of view. Team work, communication and problem solving are my strongest points. I want to promote a cooperative and sustainable environment; I've been working in several multicultural environments, for this reason I'm not afraid of cultural or language differences and I prioritize team work for the realization of the job. In my last job experience I learnt the importance of time management and flexibility. I believe that a good attitude can influence other people and their environment.



SILVIA POMES

Sede lavoro: National Institute for Materials Science NIMS (Giappone)
SSD: 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC: PE3 Condensed matter physics PE5 Materials & Synthesis

I am currently pursuing a PhD in "Advanced Nanomaterials Science and Engineering" offered by Kyushu University in collaboration with National Institute for Materials Science (NIMS). Since I moved to Japan in April 2022, I have been working at NIMS - Research Center for Structural Materials - High Strength Materials Group as junior researcher. I study plastic deformation mechanisms in bulk metallic glasses via nanoindentation testing and numerical models. I graduated with a Bachelor's and Master's Degree in Mechanical engineering from Politecnico di Torino, in 2016 and 2019, respectively. As university student, I had the opportunity to join international experiences in USA, China and Japan. In 2020, I passed the Professional Practice Exam as mechanical engineer, in Italy.



MICHELA RIMINUCCI

Sede lavoro: Kobe University (Giappone)
SSD: 12 - Scienze giuridiche
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: comparative labor law, Japanese law

Michela Riminucci teaches EU law and comparative law in Kobe University. Her main research interest is comparative labor law (especially anti-discrimination legislation in the EU and in Japan). She is also Of Counsel to the Pavia & Ansaldo

law firm (since 2018) and she has been working as a freelance JP>IT translator since 2009 (for Star Comics, Feltrinelli, etc.). In 2008, she was an intern at Latham & Watkins law firm. In 2004, she worked as programmer in a cancer research center (scientific modelling, focus on scale-free networks). She is fluent in English and Japanese.



SALVATORE SESSA

Sede lavoro: HiBot corp. (Giappone)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE6 Computer science & informatics

Current Position From 01/10/2018 up to now: Software engineer at HiBot Corp. Educational Background 15/05/2005 - 17/07/2008: Ph.D. in Electronics and Automation Engineering at University of Catania (Italy). 01/10/1998 - 14/07/2004: Master's Degree in Electronic Engineering at University of Catania (Italy). Employment record From 01/04/2014 - 30/09/2018: Assistant Professor at ICSEP Waseda University, Japan. 5/12/2010 - 31/03/2014: Associate Professor at E-JUST (Egypt). 01/10/2010 - 31/03/2014: Assistant Professor at the Graduate School of Creative Science and Engineering, Waseda University (Japan). 01/10/2010 - 14/12/2010: Adjunct Professor at E-JUST (Egypt). 15/09/2008 - 14/09/2010: JSPS Postdoctoral fellow at Waseda University (Japan). 18/07/2008 - 01/09/2008: researcher at the University of Catania (Italy) for a research project funded by Sicilian Region. 15/07/2004 - 14/05/2005: researcher at the University of Catania (Italy) for a research project MIUR PRIN PICTURE.



NATHAN SHAMMAH

Sede lavoro: RIKEN (Giappone)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics
Keywords: quantum technologyu

I am a research scientist, technology consultant and science communicator. I am a theoretical physicist working on light-matter interaction in quantum technology. Since 2016 I work as a postdoc at RIKEN, Tokyo, which is Japan's national lab, working in the Theoretical Quantum Physics Laboratory in the Cluster for Pioneering Research, on Wako campus. I hold a PhD degree in Physics from the University of Southampton. I got my MSc and BSc in physics at the University of Milano, Italy. During 2010 and 2011 I have been a visiting student with Erasmus and Erasmus placement scholarships at the Niels Bohr institute at the University of Copenhagen, Denmark and at the Imperial College London, United Kingdom. I am a developer of open-source software libraries for scientific research. Through Quantika, www.quantika.co, I consult for various players working in technology transfer in the field of quantum technology and computing. Read my articles here https://medium.com/quantum-tech.



STEFANIA SOLDINI

H-Index: 5
Sede lavoro: Japan Aerospace Exploration Agency (JAXA)/ Institute of Space and Astronautical Science (ISAS) (Giappone)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering

Keywords:	Astrodynamics, Flight Dynamics, Orbit Determination, Asteroid Gravity Modeling and Fate of Asteroids' Ejecta

I am currently Research Associate at the Japanese Space Agency (JAXA) as part of the flight dynamics Hayabusa2 project team. I am a member of the Hayabusa2 Joint Science Team as Astrodynamics Co-Investigator. I moved to Japan in March 2016 with a one year JSPS Research Fellowship after completing my PhD at the University of Southampton, UK. Hayabusa2 is the Japanese sample and return asteroid exploration mission; a joint collaboration with CNES and DLR. I am responsible of Hayabusa2 trajectory design during the solar conjunction communication black out. My duties include advance research in astrodynamics for small body proximity operations within the Hayabusa2 project. I am currently journal reviewer for Acta Astronautica, the Journal of Guidance Dynamics and Control and Advance in Space Research. My personal research website is https://www.stefaniasoldini.com/



ALESSANDRO TRANI

Sede lavoro:	the University of Tokyo (Giappone)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	binary black holes, triple systems, exoplanets, N-body problem, stellar dynamics, supermassive black holes

Alessandro Alberto Trani is a researcher in theoretical astrophysics. He obtained his PhD in 2017 at the International School for Advanced Studies, Trieste, with a thesis on the dynamics of stars and planets at the center of our Galaxy. He subsequently moved to the Astronomy department of the University of Tokyo, thanks to a JSPS Postdoctoral Fellowship that allowed him to continue his studies on gravitational systems. Currently, he is investigating the astrophysical origin of gravitational waves, which are being observed on Earth whenever two black holes coalesce in the local Universe. His other interests include non-linear dynamics and chaos in the three-body problem.



MASSIMILIANO ZAMENGO

Sede lavoro:	Tokyo Institute of Technology (Giappone)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis
Keywords:	Chemical Heat Storage

Work experiences in Italy: design and engineering of civil and industrial systems, such as heating, ventilation, air conditioning, refrigeration, sanitary, fire suppression, including calculations, drawings, bill of materials and on-site construction supervising. Evaluation of the energy performance of buildings. Feasibility studies and business plans of low-energy demand buildings, district heating/cooling by delocalized cogeneration/trigeneration systems. In 2009 i decided to go to study abroad, then i moved to Japan as a Master student at Tokyo Institute of Technology. I planned to stay just 2 years but, as the results of my research on chemical heat storage were pretty good, i was proposed to stay also for the Doctoral Course. I then found a position as Assistant Professor at the Tokyo Institute of Technology. Now i am doing research on thermal properties of materials and materials' informatics for the development of new highly thermal conductive polymers.



MORENO ZOLFO

H-Index:	19
Sede lavoro:	Tokyo Institute of Technology (Giappone)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Microbioma, Biologia Computazionale, Metagenomica

I am a researcher and bioinformatician with a background in Computational Metagenomics and Computer Science. I acquired a B.Sc. in Computer Science and a M.Sc. in Biotechnology, both from the University of Trento (Italy). Since my Ph.D. in Biomolecular sciences, I work on the development of computational tools and pipelines to address biologically relevant challenges in the framework of the human microbiome, including strain-level microbial profiling tools, and de-novo viral discovery. In my research, I focus on viruses and viral communities, their role in the human microbiome, as well as in the role of the microbiome itself in Human health and disease. I am currently a postdoctoral researcher at the Tokyo Institute of Technology, where I work on colon-rectal cancer precision medicine.



GRECIA



ELIAS CANAL FREITAS

Sede lavoro:	Aristotle University of Thessaloniki (Grecia)
SSD:	12 - Scienze giuridiche
ERC:	SH5 Cultures & cultural production
Keywords:	Diritto comparato; Diritto Processuale Civile

Ricercatore di diritto comparato (Programma Erasmus + Traineeship) supervisionato dalla Professoressa Lina Papadopoulou (Jean Monnet Chair for European Constitutional Law and Culture at Aristotle University of Thessaloniki). Laureato in giurisprudenza (Brasile) e anche in Integrazione Giuridica Europea e Diritti Umani (UniPG). Esperienza di lavoro in Brasile come assistente di fiducia di Consigliere presso la Corte di Cassazione tra 2016-2019 e come capo di gabinetto di consigliere in Corte d'Appello tra 2013-2016. Competenze linguistiche in portoghese, italiano, inglese e spagnolo.



MARIA GIOVANNA PASTORE CARBONE

H-Index:	13
Sede lavoro:	Institute of Chemical Engineering Sciences, Foundation for Research and Technology Hellas (Grecia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis PE8 Products & process engineering

Dr. Maria Giovanna Pastore Carbone is a Postdoc Research Assistant at FORTH/ICEHT (Greece) since 2015. She received her university degree in Materials Engineering and her PhD degree in Materials and Structure Engineering (University of Napoli Federico II.) She carried out post- doctoral research for three years at the Univ. of Napoli, and during 2012 she was invited as visiting scientist at the School in Advanced Optical Technologies, Erlangen. Her research follows a multi-scale approach towards the design, the production and the characterization of advanced materials with specific functional and structural properties. She has co-authored 27 scientific papers on international journals (H-index 13, Citations 425), 3 book chapters, 1 national patent and 3 patent applications and has actively participated in more than 30 international conferences. Her current research is focused on the integration of graphene and related materials for the development of multi-functional systems.

ISRAELE



MARCO BUGNOLA

Sede lavoro: Weizmann Institute (Israele)
SSD: 03 - Scienze chimiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: green chemistry, catalytic reactions

Personal Information •Date of birth: 30/08/1989 •Nationality: Italian •Marital Status: Married Education 2014- now : PhD in Organic Chemistry at "Weizmann Institute of Science" 2011- 2013: MSc in Chemistry with grade 110/110 cum laude at "Università degli Studi di Padova" 2008- 2011: BSc in chemistry with grade 110/110 cum laude at "Università degli Studi di Padova" Publications and Patents 1.“Aerobic epoxidation catalysed by transition metal substituted polyfluorooxometalates” Dalton Trans., 2016, 45, 14534-14537 2.“Aerobic Electrochemical Oxygenation of Light Hydrocarbons” M. Bugnola, R. Carmieli, R. Neumann ACS Catal. 2018, 8, 3232-3236 3.“Electrochemical oxygenation of hydrocarbons”, Patent P-570163-IL Languages Mother tongue: Italian Other languages: English (fluent), Russian (basic level)



SALVATORE CAMPISI-PINTO

Sede lavoro: Ben Gurion University of the Negev (Israele)
SSD: 02 - Scienze fisiche
ERC: PE6 Computer science & informatics
Keywords: Statistics, Data-mining, Water, Agronomy

As a young analysis at Triodos Bank N.V., in Holland, I applied Italian creativity to developed novel methods for sustainability-investing. At the University of California Riverside (UCR) I applied statistical methods on physically-based databases that resulted in a new data-driven decision-model that UCR, after having filed a U.S. proprietary patent, is already licensing to commercial companies. Here at the Ben Gurion University of the Negev, in Israel I am applying statistical methods for the analysis of large databases of chemical analysis. I really enjoy my work, and I integrate environmental, economic and social responsibility in everything I do. I built my career around data-driven decision making in a variety of roles in top notch institutes both in the private and public sector. I love science, I understand the business environment and I have experience in both of them.



YAELLA DEPIETRI

Sede lavoro: Technion, Israel Institute of Technology (Israele)
SSD: 04 - Scienze della terra
ERC: SH3 Environment & society
Keywords: Rischio, disastri naturali, aree urbane, servizi ecosistemici

Dr. Yaella Depietri earned her PhD in Environmental Sciences at the Institute of Science and Technology (ICTA), Autonomous University of Barcelona (UAB) (Spain), which she carried out jointly with the United Nations University, Institute for Environment and Human Security (UNU-EHS), Bonn (Germany), in January 2015. She then was a Post-Doctoral researcher at The New School in New York City (USA) for two years, working on different aspects of risk and vulnerability of the city to natural hazards. She is now a Zeff Postdoctoral fellow at the Technion, Israel Institute of Technology (Israel) Overall, Dr. Depietri co-wrote various articles and book chapters on Eeco-DRR and the role of nature-based solutions to adapt cities to extreme events. Her research interests reside on better understanding how

ecosystems and their services play a role in shaping vulnerability of urban communities to natural hazards, in exploring the trade-offs between cultural and regulating services.



PIERLUIGI DI MATTEO

Sede lavoro:	The Weizmann Institute of Science (Israele)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS5 Neurosciences & neural disorders
Keywords:	Neuroscience, Neuron, Imaging, Cells, Molecular biology, AAV, Sensory neurons, Axons, Microscopy, DNA Cloning

Master student presso National Enterprise for nanoScience and nanotechnology (NEST-Scuola Normale Superiore), Pisa PhD student presso Weizmann Institute of Science, Rehovot, Israele Biologo molecolare, esperto in neuroscienze molecolari, neuroni sensoriali, microscopia ottica, analisi immagini, Imagej scripting, DNA cloning e tecniche biochimiche, colture cellulari primarie, manipolazione vettori virali (AAV), animali modello per le neuroscienze (mus musculus), chirurgia animale.



AGOSTINA DI PIZIO

Sede lavoro:	Weizmann Institute of Science (Israele)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Neurobiology, Molecular biology

I am PhD student at the Weizmann Institute of Science. In my research, I am interested in neuronal growth and regeneration.



DAVIDE LEVY

H-Index:	21
Sede lavoro:	University Tel Aviv (Israele)
SSD:	04 - Scienze della terra
ERC:	PE5 Materials & Synthesis

Senior researcher in crystallography, specialized in powder diffraction at non-ambient conditions (high temperature/high pressure) RELATED EXPERIENCE University of Tel Aviv, Tel Aviv, Israel Responsible of the Powder Diffraction Laboratory of Wolfson Applied Materials Research Center 2017- Technion, Haifa, Israel Madan Ole at Materials Engineering Department (Prof. Boaz Pokroy) 2014-2017 University of Tel Aviv, Tel Aviv, Israel Senior Researcher at School of Physics (Prof. Moshe Paz Pasternak) 2011-2017 Università di Torino, Torino, Italy Assistant Professor in Mineralogy



FRANCESCO MARRA

Sede lavoro: Hebrew University of Jerusalem (Israele)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science

Dr Marra got his PhD in radar hydrology from the University of Padova and is currently Research Associate at the Hebrew University of Jerusalem. His research interests include hydrology (forecasting/monitoring of flash floods), atmospheric sciences (spatiotemporal precipitation patterns), remote sensing (weather radar and satellite based precipitation estimation), extreme value analysis (extreme precipitation under climate change), geomorphology (landslide and debris flow triggering, flash floods geomorphic impact), and natural hazards in general. Dr Marra is (co-)author of 29 peer review papers (all Q1). He is Associate Editor of Journal of Hydrology and serves as reviewer for over 20 ISI journals. He led a Lady Davis Post-Doctoral Fellowship on the statistics of extreme precipitation from weather radar and satellites. In 2017 he was awarded funds for an international short visit project at ETH Zurich during which he examined interactions between temperature and extreme precipitation



LUCA MOLERI

Sede lavoro: Weizmann Institute of Science (Israele)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter PE8 Products & process engineering
Keywords: Research,Teaching, Outreach

Sono un fisico, specializzato nella costruzione di rivelatori di particelle. Dal 2011 vivo in Israele, dove ho conseguito un dottorato al Weizmann Institute of Science. Il mio interesse primario, oltre alla ricerca è l'educazione, in particolare rivolta ai ragazzi delle classe superiori. Negli ultimi anni ho svolto attività di insegnamento nella scuola Araba di Lod, e come supporto allo studio di una persona ipovedente. Lavoro attualmente come scienziato all'Istituto Weizmann.



DONATELLA ROMANIELLO

Sede lavoro: Weizmann Institute of Science (Israele)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS1 Molecular & Structural Biology & Biochemistry LS7 Diagnostic tools, therapies & public health
Keywords: Cancer, targeted therapy, drug screening

Donatella Romaniello graduated in Chemistry and Pharmaceutical Technology in 2012 in Sapienza University (Rome). In the same year she started her PhD in Biochemistry working on the role of the Stat3 protein in Cancer. She was trained for one year in the lab of J.F. Bromberg at Sloan Kettering Cancer Center of NY. After her PhD, she won for two consecutive years the Sergio Lombroso fellowship for Cancer Research at Weizmann Institute of Science (Israel) and is currently working as a postdoc in antibody targeted- therapy in NSCLC in the Prof. Y. Yarden's laboratories.

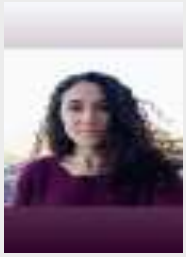
TOMMASO SALZILLO



H-Index:	10
Sede lavoro:	Weizmann Institute of Science (Israele)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Raman spectroscopy, organic semiconductors, perovskites, polymorphism

Ho svolto gli studi universitari presso l'Universita di Bologna conseguendo il titolo di dottore di ricerca nel 2015. Attualmente ricopro la posizione di Senior Koshland PostDoc presso il Weizmann Institute of Science con un Progetto per lo studio della dinamica reticolare di chalcogenide perovskite in single crystal e in film sottili per applicazioni in celle solari. Prima di iniziare l'esperienza al Weizmann Institute of Science, ho svolto ricerca presso l'Institut de Ciència de Materials de Barcelona (ICMAB-CSIC) con un progetto di ricerca Marie Curie Co-fund nell'ambito del programma di azioni Horizon 2020. I miei attuali interessi scientifici sono incentrati sullo studio del fenomeno del polimorfismo in materiali molecolari principalmente per applicazioni nel campo dell'elettronica organica tramite tecniche di micro-spettroscopia vibrazionale (IR, Raman), con particolare interesse al THz range, e elettronica (Riflettanza e fotoluminescenza).

FEDERICA SCUCCHIA



Sede lavoro:	University of Haifa, Marine Biology Department (Israele)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Biologia Marine

I'm a PhD candidate in the Coral Biomineralization and Physiology Lab of Tali Mass in Haifa, Israel. My research is focused on the response of juvenile and adult corals to decreasing oceanic pH. In particular, I'm examining the changes in physiological and morphological characteristics, and gene expression patterns in both the corals and the endosymbiotic algae, to better understand the response and vulnerability of these organisms to ocean acidification. Full CV: https://fscucchia.github.io/FScucchia_Lab_Notebook-Mass_Lab/about/

MIRKO SERINO



Sede lavoro:	Ben Gurion University of the Negev (Israele)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	high energy physics, quantum field theory, quantum chromodynamics, perturbation theory

Laurea (2010) e PhD (2014) in fisica teorica presso Università del Salento. Borse di studio: 1- Borsa "Angelo Della Riccia", conferita dall'omonima fondazione per l'anno 2015. 2- Kreitman fellowship per l'anno accademico 2017-2018, conferita dalla Kreitman school dell'università Ben Gurion di Be'er Sheva. Postdoc in fisica dell'interazione forte nel gruppo del Prof. Krzysztof Kutak all'Istituto di fisica Nucleare di Cracovia, Polonia (01/10/2014-30/09/2017). Attualmente postdoc in corso a Be'er Sheva, Israele, nel gruppo del Prof. Michael Lublinsky (01/10/2017-30/09/2020). 20 articoli peer-reviewed pubblicati su riviste internazionali. Lingue straniere: inglese, francese, polacco. Competenze software: padronanza avanzata del calcolo simbolico con il software Mathematica e buona conoscenza del linguaggio bash per la shell dei sistemi Unix.



FRANCESCA STRAPPINI

H-Index:	4
Sede lavoro:	Weizmann Institute of Science (Israele)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords:	Cognitive neuroscience, visual perception, fMRI

I obtained an MSc in General and Experimental Psychology and a Ph.D. in Cognitive Neuroscience from Sapienza University. During my undergraduate studies and postdoctoral appointment, I performed research in visual neuroscience using fMRI methods. I collected and analyzed the data for seven fMRI projects. Overall, I performed more than 100 fMRI scanning sessions. I have been involved in several cross-disciplinary projects and initiated a large portion of those. In a recent paper entitled "Agnosic vision is like peripheral vision, which is limited by crowding", by linking two rather distant disciplines such as neuropsychology and psychophysics, we proposed for the first time a one-parameter account of apperceptive visual agnosia. The model proposed therein stands in contrast to the history of presenting patients as individual case studies with various interpretations and provides a quantitative estimation of the visual impairment.



ANDREA TESI

Sede lavoro:	Weizmann Institute of Science (Israele)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE2 Fundamental constituents of matter

PhD in Physics - Particle Detectors, Weizmann Institute of Science (IL)



LIVIA TESTA

Sede lavoro:	Weizmann Institute of Science (Israele)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

PhD student at the Weizmann Institute of Science (Israel) in the department of Biomolecular Sciences. Currently working in prof. David Wallach's lab on the characterization of TNF-induced cell death in mammalian cells, in particular on the regulation of necroptosis. Experience in biochemical assays, Western Blot, cell death assays, PCR, gene editing, CRISPR, cell culture, immunoluorescence staining, microscopy. Proficient in Microsoft Office. Fluent in English.



ANNA ZANCHETTA

Sede lavoro:	Technion, Israel Institute of Technology (Israele)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 04 - Scienze della terra 08 - Ingegneria civile e Architettura

ERC:	PE6 Computer science & informatics PE9 Universe sciences PE10 Earth system science
Keywords:	Remote Sensing, Open source, Data analysis

PhD in Geomatics, with a thesis on Remote Sensing techniques for desertification studies in the Middle East (supervisor: Gabriele Bitelli, Bologna University). Currently involved in a project of Transport Justice under the guidance of Karel Martens at the Technion, Israel Institute of Technology. Keen interest in Free and Open Source Software and its application to anything that can be put into maps. Strong data analysis skills.

TECHNION
Israel Institute
of Technology

KUWAIT



ROMUALDO SCIORIO

Sede lavoro: Clinical Director (Kuwait)
SSD: 05 - Scienze biologiche
ERC: LS3 Cellular and Developmental Biology
Keywords: Assisted Reproduction Technology

Romualdo Sciorio received his first Master degree in Science Biology “magna cum laude” in 1998 at University of Naples Federico II. In 2012 he obtained a Master degree of Science in Biotechnology at Edinburgh Napier University in Scotland. During the years 1996-2004 he worked within both research and clinical embryology in different places across Italy, France and UK. In 2005 Romualdo took a position as Clinical Scientist at Edinburgh Assisted Conception Programme, Royal Infirmary of Edinburgh in Scotland. In 2008 he moved to Monash IVF in Melbourne, Australia and later to Canada. Between the years 2010-2013, Romualdo worked between London, Dubai, Philippines, Armenia, Switzerland and in India as Consultant Embryologist. In 2014 he moved back to Edinburgh, RIE where he works as Senior Clinical Embryologist. He is state registered clinical scientist (HCPC), holds an ICSI and embryo biopsy license. His current research interests include time-lapse, blastocyst culture and vitrification.



College of Science - Kuwait University

LITUANIA



MORENO BONDA

Sede lavoro:	Vytautas Magno; Politecnico di Kaunas (Lituania)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH6 The study of the human past
Keywords:	lingua e conoscenza, filosofia della lingua, matematica e religione

Moreno Bonda is associate professor at Kaunas Technological University and at Vytautas Magnus University, Kaunas, Lithuania. He earned his master's degree in History of the Reformation and Counter-Reformation at Turin University and his Ph.D. in History at Vytautas Magnus University specializing in Jesuit historiography. M. Bonda teaches: Language and Identity, History of historiography, Italian academic writing and History of the Mediterranean region. He devotes his researches to the relation between language and knowledge in early modern Europe. His most recent publications focus on Jesuit historiography. M. Bonda has recently authored a History of Lithuanian Historiography; edited the collective monography 'Self-Representation Models of the Society of Jesus', contributed to the Boston College's encyclopaedia 'Jesuit Historiography Online'. In 2017, M. Bonda was awarded the order of Cavaliere della Stella d'Italia for his academic activity in Lithuania.



DAVIDE CERADINI

Sede lavoro:	Latvian Institute of Organic Synthesis (Lituania)
SSD:	03 - Scienze chimiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Medicinal chemistry

In 2018 I get my master degree in industrial chemistry at the University of Padova, with a thesis about the development of a novel peptide-based inhibitor for Matrix Metalloproteases for the treatment of osteoarthritis, the work was carried out at the pharmaceutical company Fidia farmaceutici, where I spent also 5 months, as intern, in the preindustrial development group. In this moment I am a PhD candidate at the Riga Technical University, I am working in the European project IT-DED3 on the development of new treatment for the dry eye disease, I am carrying on my work at the Latvian Institute of Organic Synthesis where I follow the scale-up of the lead compounds of our project. I am strongly passionate about medicinal chemistry, a field in which I hope to continue my researcher carrier



DARIO PIOMBINO-MASCALI

Sede lavoro:	Vilniaus universitetas (Lituania)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	paleopatologia, storia della medicina, antropologia, bioarcheologia

Antropologo specializzato in paleopatologia, esploratore della National Geographic Society e docente di paleoantropologia e antropologia forense, mi occupo prevalentemente dello studio scientifico di mummie umane di età medievale e moderna, di reliquie e di corpi santi, così come di museologia scientifica applicata alle collezioni anatomiche e patologiche. Ho collaborato con numerosissime istituzioni, come i Musei Vaticani, il Museo "Paolo Gorini", il Museo Nazionale delle Filippine e il Museo Archeologico dell'Alto Adige. Ho organizzato seminari sullo studio dei resti umani in vari atenei italiani e stranieri, tra cui quelli di Messina, Bari, Pisa, Edimburgo, e Oxford. Ho cooperato, come divulgatore, con le più prestigiose testate giornalistiche e televisive nazionali ed internazionali. Sono anche conservatore scientifico delle celebri Catacombe dei Cappuccini di Palermo, nonché ispettore onorario dei beni culturali della Sicilia.

MACAO



ROBERTO BUGIOLACCHI

H-Index: 9
Sede lavoro: Macao University of Science and Technology (Macao)
SSD: 02 - Scienze fisiche 04 - Scienze della terra
ERC: PE10 Earth system science

Following a B.Sc. degree in Planetary Science at University College London (UCL), United Kingdom, I was offered a PhD project led by Dr Paul Spudis, at the Lunar and Planetary Institute (LPI), US, and Prof. John Guest, at UCL, UK. After taking a year out to study for a Postgraduate Certificate in Education (PGCE) in science (secondary schools teaching certificate), I accepted a post-doctoral position at the Max Planck Institute in Lindau (Germany) as the leading investigator of Near Infrared (NIR) data from the in-house spectrometer SIR-2. In 2012, I joined the Zooniverse project, based at Birkbeck, UK, to drive the scientific output of the 'Moon Zoo' citizen science. In 2016 I was offered a position as an assistant professor at the State Key Laboratory in Macao (China), affiliated with the Chinese Space Admin. and I have been carrying out research on multiple aspects of planetary research with access to the data from the ongoing Chinese missions.



PAOLO COGHI

Sede lavoro: Macau University Science and Technology (MUST) (Macao)
SSD: 03 - Scienze chimiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: chimica farmaceutica

Paolo Coghi received his PhD (2008) from the University of Milan (Italy) guided by Dr Diego Monti. After a postdoctoral stay (2008–2011) at the National Research Council of Italy and working in the group of Prof. Antonio Papagni (2011–2014), he joined the group of Dr Vincent Wong working on the synthesis of triterpenoid derivatives. Since 2017 he has been a lecturer in the School of Pharmacy at Macau University of Science and Technology. His research interests focus on infective disease and cancer. Dr Coghi has been involved in numerous European project ("Development of New Drugs for the Treatment of Malaria"ANTIMAL 2005-2011 and COST B22 "Drug development for parasite disease" 2007, MIUR Italian financed projects and international collaboration (MRC flagship project 2014 and MRC 2015-18 "Rational Development of Combinations of Known and Novel Drugs for Chemotherapy of Cancer" with North-West University, S. Africa) and actually leads as Principal investigator for two funded research.

MALESIA

PAOLO COLUZZI



Sede lavoro:	Universiti Malaya (Malesia)
SSD:	14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	sociolinguistica, pianificazione linguistica, vitalita' linguistica, nuovi parlanti, paesaggio linguistico, nazionalismo

PAOLO COLUZZI (Master Università di Exeter, UK; Dottorato Università di Bristol, UK) lavora attualmente in veste di Professore Associato presso la Facoltà di Lingue e Linguistica dell'Università di Malaya a Kuala Lumpur (Malesia). La sua ricerca verte sulle lingue in pericolo, la vitalità linguistica, la pianificazione linguistica, il paesaggio linguistico, i nuovi parlanti e il nazionalismo. Ha pubblicato vari articoli su riviste accademiche internazionali come Language Problems and Language Planning, Journal of Multilingual and Multicultural Development, Modern Italy, International Journal of Multilingualism, Oceanic Linguistics, International Journal of the Sociology of Languages, Linguistic Landscape: An International Journal e Multilingua. Il suo primo libro Minority Language Planning and Micronationalism in Italy: an Analysis of the Situation of Friulian, Cimbrian and Western Lombard with Reference to Spanish Minority Languages è uscito nel 2007.

CARMELO FERLITO



Sede lavoro:	Center for Market Education (Malesia)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Macroeconomia, Microeconomia, Storia del Pensiero Economico, Storia Economica

Dr Carmelo Ferlito (Verona, Italy, 1978) is the CEO of the Center for Market Education (CME) and a Senior Fellow at the Institute for Democracy and Economic Affairs (IDEAS) in Kuala Lumpur, Malaysia. Dr Ferlito is also Research Advisor for Provalindo Nusa in Jakarta, Indonesia and Senior Fellow (Southeast Asia) at the Property Rights Alliance in Washington, DC, USA. Carmelo Ferlito earned a Master in Economics (2003) and a Ph.D. in Economic History (2007) from the University of Verona in Italy. From 2004 to 2009 he worked as researcher with several Italian universities, including University of Verona, Salento University and University of Macerata. In 2017 he was Visiting Scholar at the University of Bergamo. Between 2013 and 2019 he has taught "Microeconomic Theory and Policy" and "History of Economic Thought" at INTI International College Subang (Subang Jaya) and at Universiti Kuala Lumpur-MFI (Bangi).

ENRICO MAGOSSO



H-Index:	9
Sede lavoro:	Universiti Kuala Lumpur (UniKL) (Malesia)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	tecnologia farmaceutica

Born in Milan, Italy Dr Magosso graduated in Pharmacy from University of Pavia (Italy). He started his scientific interests with research in Pharmaceutical Chemistry and, after being awarded a European Union scholarship, moved to Pharmaceutical Technology at the School of Pharmacy (London, UK). After few years working for pharmaceutical industries in Italy, Dr Magosso joined Universiti Sains Malaysia in 2002 as researcher under the leadership of Prof Yuen Kah Hay and there Magosso also furthered his studies. The research carried on focussed on novel drug delivery systems

and he participated in over 100 clinical trials Dr Magosso has a wide range of expertise related to the complete pharmaceutical cycle, from novel formulations to in vivo studies, to clinical trials. Dr Magosso has been a consultant for several private and public companies, and for governmental bodies.



EDGAR SCAVINO

Sede lavoro:	Universiti Putra Malaysia (Malesia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	AI, computer vision, signal processing, neural networks, evolutionary algorithms, plasma physics, superconductors

EXPERTISE: Neural Networks, Computer Vision, Superconductors, Plasma Physics Dr Edgar Scavino obtained his Msc in Nuclear Engineering at the Politecnico di Torino, Italy with a thesis on proton irradiated high temperature superconductors. He got his PhD at EPFL, Switzerland with a research on the behaviour of impurities in plasmas for nuclear fusion. During his career he worked at CERN in Geneva on accelerating cavities for LHC and as a senior lecturer in UKM where he focused on algorithms for computer vision, pattern recognition using artificial intelligence techniques. He recently joined the Department of Physics at UPM where he works on advanced signal processing for indoor localization purposes and on neutron irradiated HTSC. Current research interests: Signal processing of WiFi and WLAN anchor points in indoor environments with application of AI to improve the accuracy of localization of robots, processing of X-ray medical images for identification of spinal injuries.



GIANFRANCO SCRIBANO

H-Index:	7
Sede lavoro:	University of Nottingham Malaysia (Malesia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Education • May 2004 Ph.D. in Energy at Politecnico di Milano (XVI graduate course). • October 1999 Master Degree in Aerospace Engineering (space) at Politecnico di Milano. Work Experience • January 2015 – Present: Assistant Professor at The University of Nottingham – Malaysia Campus, Mechanical, Materials and Manufacturing Department; Faculty of Engineering. • June 2012 – December 2014: Research Fellow at King University of Science and Technology (KAUST). • January 2011 – June 2012: R&D Manager in BONO Energia (Cannon group). • March 2007 – December 2010: Lead and System engineer in combustion and integrated system in Sit La Precisa. • March 2004 – December 2006: Project Engineer in the R&D department of Polidoro Industrie.

MAROCCO

FILIPPO BASSI



H-Index:	16
Sede lavoro:	ICARDA (Marocco)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS8 Evolutionary, population & environmental biology
Keywords:	Genetica, biotecnologie, cereali, cambiamento climatico, breeding

Senior scientist at ICARDA based in Morocco. Receiver of the Prize for Innovation in Food Security

ICARDA
Science for Better Livelihoods in Dry Areas

MESSICO

PAOLO AMORE



H-Index:	18
Sede lavoro:	Universidad de Colima (Messico)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE3 Condensed matter physics
Keywords:	Fisica Teorica, Fisica Matematica, Fisica Computazionale

I work at the Physics and Mathematics department of the Universidad de Colima, Mexico. My main research interest are in Theoretical, Mathematical and Computational Physics.



STEFANIA BIONDI

Sede lavoro:	Universidad Autónoma de Querétaro (Messico)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science

He trabajado en Italia, en Nicaragua y en México, donde actualmente soy docente en licenciaturas y posgrados de Arquitectura del ITESM, la UAQ y La Salle Oaxaca. He coordinado la Cátedra de Investigación Nuevo Urbanismo en México, del Tec de Monterrey. He participado en congresos y seminarios con ponencias sobre el tema de la autoproducción de vivienda y el género, teoría de la arquitectura, y sobre diseño participativo. He pertenecido al Sistema Nacional de Investigadores, con nivel 1, y soy miembro de la Academia Nacional de Arquitectura. He publicado el libro Una visión hermenéutica de la teoría de la arquitectura en México, además de capítulos para libros, como Arquitecturas de la Globalización, Ciudad y diferencia, Escenarios de Gestión del Espacio urbano y Regional en México; he publicado artículos y he sido editora responsable de la revista Cuadernos de Arquitectura y Nuevo Urbanismo.



ROSANNA BONASIA

H-Index:	8
Sede lavoro:	Instituto Politécnico Nacional (Messico)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science

Dottorato in Scienze della Terra nell'aprile del 2007, Università di Bari. Dicembre del 2008, Master in Fluidodinamica computazionale, nell'Università Tor Vergata, Roma.Da marzo 2008 a febbraio 2010, assegnista dell'INGV, Osservatorio Vesuviano. Marzo 2010-aprile 2014, ricercatrice nel Centro di Scienze della Terra dell'UNAM (Messico).Da ottobre 2014 Catedrático CONACYT nell' Istituto Politecnico Nazionale di Città del Messico.Da gennaio 2016 membro del gruppo di ricerca del centro Abacus:Laboratorio di Matematica Applicata e Computazione di Alto Rendimento, del CINVESTAV (Messico).Da settembre 2017, collabora con l'Università Texas A&M sullo studio della dispersione di batteri nell'aria. Membro della Società Messicana di Fisica e parte del Sistema Nazionale di Ricercatori in Messico (SNI).Le linee di ricerca:Dispersione di cenere vulcanica;Simulazioni numeriche di inondazioni fluviali;Simulazioni numeriche delle correnti di risacca;Simulazioni numeriche dell'impatto di tsunami.

LORENZO BORSELLI



H-Index:	17
Sede lavoro:	Universidad Autonoma de San Luis Potosi (UASLP) (Messico)
SSD:	04 - Scienze della terra
ERC:	PE5 Materials & Synthesis PE10 Earth system science
Keywords:	geomateriali, disica e meccanica del suolo, meccanica delle rocce, stabilita' dei pendi, software per modellististica

Earth and Soil Scientist, Engineering Geologist. Specialist in soil and rocks mechanics and hydrology. Degree in geology 1989 at the university of Florence Italy. In the 1998 received Ph.D In Soil science at the university of Florence, ITALY. Since 1997 until 2011 worked as Researcher at National Research Council (CNR). He collaborated in international research projects (funded by EU) related to Soil erosion modeling, soil conservation, desertification process and measures for mitigation. Author of 60 papers on international scientific journals. His current research interests are: software modeling for stability of slopes, soil and rock mechanics, shallow landslide modeling ,surface hydrology, mathematical techniques applied to soil erosion and surface hydrology, modeling soil erosion by water. He is working, since july 2011, as Full-Time Professor of Geotechnics and Engineering Geology at : Instituto de Geologia Universitad Autonoma de San Luis Potosì, San Luis Potosí, MEXICO.



CARMELO CATTAFI

Sede lavoro:	Tecnológico de Monterrey (Messico)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour

Professore Associato, Ricercatore livello 1 del Sistema Nazionale Ricercatori (Dipartimento di Scienza Politica e Relazioni Internazionali del Tecnológico de Monterrey). Direttore della Laurea in Scienza Politica (dal 2012) e della Laurea in Relazioni Internazionali e Coordinatore Nazionale dell'Academia di Relazioni Internazionali del Tecnológico de Monterrey dal 2016. Facilitatore del Secretariado Técnico Local dello Stato di Nuevo León eletto dal potere legislativo, esecutivo e giudiziario, dalla Commissione di Trasparenza e dalle organizzazioni della societá civile per implementare l'esercizio di governo aperto dal dicembre del 2016. Consigliere Tecnico del CENEVAL (Centro Nacional de Evaluación para la Educación Superior) ed Esperto designato per verifica degli esami di Scienza Politica e Amministrazione Pubblica. Consigliere Civico del Consiglio Civico per il Governo Aperto, la Trasparenza e la Rendicontazione del Comune di Monterrey dal settembre del 2016.



FRANCESCO GERVASI

Sede lavoro:	Universidad Autónoma de Coahuila (Messico)
SSD:	14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	Religioni, discriminazione, minorie

Es doctor en "Politica, Società e Cultura" por la Università della Calabria (Italia). Desde septiembre 2010, es profesor investigador de tiempo completo de la Universidad Autónoma de Coahuila. Forma parte del Sistema Nacional de Investigadores (SNI) con el nivel 1. Es miembro del Comité Científico de la revista "Religioni e Società". Es co-director

científico de la revista “Comparative Cultural Studies - European and Latin American Perspectives”. Ha participado, como responsable o como miembro, en varios proyectos de investigación, nacionales e internacionales. Sus principales líneas de investigación son: religiosidad popular; discriminación religiosa; religión y medios masivos de comunicación. Ha publicado cuatro libros como único autor y uno como coordinador, además de varios capítulos de libro, coordinaciones de números monográficos de revistas y artículos, en revistas científicas internacionales.



EMANUELE GIORGI

Sede lavoro: Tecnologico de Monterrey (Messico)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH3 Environment & society
Keywords: Communities, Health cities, Participation

Full Time Visiting Professor at the School of Architecture, Art and Design of Tecnológico de Monterrey in Chihuahua (Mexico), he develops activities of teaching and research about the topics of communities and territorial sustainable development. He has a PhD in Civil Engineering and Architecture earned at the University of Pavia, with a supervisor from Tongji Univerity, obtained with an investigation on communities and contemporary relationship between Man and Environment (https://www.thinktankcore-a.com/giorgi-tesi). He keeps international relations with foreign universities, in particular thanks to China Lab., which is an international research network operative mainly between Italy and China (www.chinaurbanlab.com). In the last years, he presented the results of his investigations in international conferences and in journals ranked Q2. For the research activities in the field of urban health, he is member of the International Society of Urban Health (ISUH).



FRANCO GRASSO

Sede lavoro: IWR Academy (Messico)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH3 Environment & society

De origen italiano y residente en México desde más de 15 años, lleva una trayectoria de aproximadamente 25 años desempeñándose como Investigador, Consultor, Capacitador y Certificador en tema de Accesos y Seguridad en Área Remotas y Rescate en la Industria y la Montaña. Su experiencia abarca decenas de proyectos, publicaciones y varios reconocimientos a nivel internacional; cuenta con múltiples certificaciones en materia obtenidas en USA y Europa. En México se ha dedicado al fomento de la cultura, la seguridad y de la prevención contra accidentes en todo tipo de operaciones en alturas y ambientes confinados, con la realización de cientos de proyectos destinados a instituciones de gobierno, privadas y empresas operando en distintos sectores.



TOMMASO GRAVANTE

H-Index: 6
Sede lavoro: UNAM (Messico)
SSD: 14 - Scienze politiche e sociali
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: movimento sociali

Dottore di ricerca in Scienze Polítiche. Area di ricerca: movimenti sociali. Linee di ricerca: emozioni & protesta, prefigurazione politica, cambio sociale.



SIMONE LUCATELLO

Sede lavoro: Instituto de investigaciones Dr. josé María Luis Mora (Messico)
SSD: 04 - Scienze della terra 14 - Scienze politiche e sociali
ERC: SH3 Environment & society
Keywords: Cambiamenti climatici; gestione dei rischi di disastri

Simone Lucatello is a full time researcher at Instituto Mora, a public research centre based in Mexico City (MEXICO) and director of the External Relations at the same institution. He holds a Master Degree in International relations from the London School of Economics and Political Science (LSE, UK) and a Phd in Governance for Sustainable Development at the Venice International University (VIU), Italy. His research interests deal with disaster risk reduction, climate change and sustainability. He is author of more than 10 books and many articles published in english, spanish and italian. He currently coordinates the Italian Researchers' Association in Mexico (ARIM), and he is part of several international scientific boards and academic networks. He was recently appointed as one of the coordinating leading authors for the next Climate Change assessment report of the United Nations (IPCC) due in 2021.



MIRKO MARZADRO

Sede lavoro: Consejo Nacional de Ciencia y Tecnología (CONACyT) (Messico)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH3 Environment & society

Ricercatore del Consejo Nacional de Ciecias y Tecnologia (Conacyt – Messico) in comando presso l'Instituto Tecnológico Superior de Cajeme (ITESCA – Sonora, Messico), persso il quale è docente della Maestría en Arquitectura Sustentable y Gestión Urbana (MASGU), svolge attività di ricerca nel Centro de Estudios del Hábitat y el Desarrollo Urbano Sustentable (CEHDUS), ed è membro del Sistema Nacional de los Investigadores (SIN) nell'area Scienze Sociali. Dal 2002 si occupa dello studio di fenomeni migratori internazionali con particolare attenzione alle pratiche e politiche di inclusione sia a livello sociale che spaziale invari contesti nazionali. Dal 2009 collabora con la Cattedra Unesco SSIIM, prima da interno e poi dal Messico dove si è trasferito nel 2012. Ha svolto attivitá di ricerca e docenza prezzo El Colegio de México (2012 – 2013) e la Facultad Latinoamerica a de Ciencias Sociales (FLACSO) sede Messico (2015).



IVANA MOGGIO

H-Index: 17
Sede lavoro: centro pubblico CONACyT (Messico)
SSD: 03 - Scienze chimiche
ERC: PE5 Materials & Synthesis
Keywords: spettroscopia molecolare, optoelettronica, nanotecnologia

PHD DEGREE, u. GENOA, ITALY, 14/2/2000 Conjugated polymers for optoelectronics, under supervision of Prof. Giovanna Dellepiane. The thesis dealt with the spectroscopic characterization of conjugated polymers for optoelectronics. From 2001, Full Researcher and Professor at CIQA. My main research lines are: -molecular spectroscopy

of optoelectronic conjugated materials -synthesis and characterization of metallic nanostructures -fluorescent and phosphorescent dyes for sensing or smart textiles -supramolecular assembly of organic macromolecules. -P.I. of different national and bilateral projects with Italy and coPI of different projects with US Air Force -author of 2 chapters, 94 full papers, 39 proceedings, H factor=17 - 12 undergraduate, 13 MS and 8 PhD thesis.



GIUSEPPE PIRRUCCIO

Sede lavoro: unam (Messico)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics
Keywords: optics

During my PhD research projects I have investigated different ways to enhance light absorption in thin layer of weakly absorbing materials, such as light emitting layers and graphene. These materials play a crucial role in solid state lighting and in novel opto-electronics applications, in which the efficiency is mainly limited by the fact that only a small percentage of the light incident on the device is actually absorbed. Some of the outputs of this research found their place in a patent which has been filed together with Philips Research. Now i am a researcher and the head of the Advanced Nanophotonics Lab at the Institute of Phisics of UNAM (Mexico City).



NICOLETTA RIGHINI

H-Index: 7
Sede lavoro: Universidad Nacional Autonoma de Mexico (Messico)
SSD: 05 - Scienze biologiche
ERC: LS8 Evolutionary, population & environmental biology
Keywords: Ecologia animale, Eco-fisiologia, Comportamento animale

Nicoletta Righini [BSc+MSc. in Natural Sciences, University of Florence, Italy; MSc. in Ecology, Instituto de Ecología, Xalapa, Mexico; PhD in Anthropology, University of Illinois at Urbana-Champaign, USA] is currently a postdoctoral fellow at the Research Institute on Ecosystems and Sustainability (IIES), UNAM, Morelia, Mexico. Her research focuses on animal eco-physiology and behavior, nutritional ecology, and integrative biology. Since 1997 she has carried out field and laboratory research at various locations in Italy, Isle of Man, Senegal, Nicaragua, USA and Mexico. She has also given short courses at different institutions. She served as editorial assistant for the American Journal of Primatology and as guest editor for a Special Issue (April 2017) of the AJP on “Recent advances in primate nutritional ecology". She was awarded the 2012 Edward M. Bruner Award for Academic Excellence and Promise in Anthropology, and the 2011 NSF Doctoral Dissertation Improvement Grant.



GIOVANNA ROSSI MÁRQUEZ

H-Index: 7
Sede lavoro: Instituto Tecnológico José Mario Molina Pasquel y Henríquez Lagos de Moreno (Messico)
SSD: 03 - Scienze chimiche 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Biotecnologia

1.EDUCACION Noviembre 2008-Diciembre 2011 Doctorado en Ciencias Biotecnológicas, Universidad de Nápoles “Federico II”, Nápoles, Italia. Agosto 2005-Septiembre 2007Maestría en Ciencia y Tecnología de los Alimentos en la Universidad Autónoma de Querétaro, México. 2. EXPERIENCIA LABORAL •Actual. Instituto Tecnológico José Mario Molina Pasquel y Henríquez Unidad Académica Lagos de Moreno, Jalisco: Profesor investigador •Octubre 2016 – Actual. Universidad del Valle de Atemajac Lagos de Moreno,Jalisco: Docente •Enero 2016 Sistema Nacional de Investigadores (SIN): Invesigador nivel 1 Exp. 66108. •Abril 2015 – Julio 2016 BADCO SA de CV: Ingeniero de Aplicaciones •Junio 2012 – Enero 2015 Universitá degli Studi di Napoli Federico II, Italia: Investigador •Marzo 2012-Mayo 2012 “Casamadaio srl”, Italia: Contrato de prestaciones profesionales en la industria Alimenticia.



LUCIA SBRIGHI

Sede lavoro: Benemérita Universidad Autónoma de Puebla (Messico)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH5 Cultures & cultural production
Keywords: lingue, linguistica, traduzione

Lucia Sbrighi é ricercatrice e dottoranda a tempo pieno (2015-2019) presso l'Instituto de Ciencias Sociales y Humanidades della Benemérita Universidad Autónoma de Puebla, dottorato in Ciencias del Lenguaje. Laurea in Traduzione e Interpretazione (SSLMIT, Universitá di Bologna), TFA in Lingua e Civiltá straniera (spagnolo) presso l'Universitá degli Studi di Modena e Reggio Emilia. Esaminatrice per le certificazioni linguistiche DELE (spagnolo) e PLIDA (italiano). Esperienza come traduttrice e interprete e docente di inglese e spagnolo in Italia presso scuole statali ed enti privati e docente di italiano e spagnolo all'estero. Membro de la Red Integra, Red de Investigación Interdisciplinaria sobre Identidades, Racismo y Xenofobia en América Latina, México. Sus intereses de investigación son: bilingüismo, identidad, actitudes lingüísticas, adquisición de segundas lenguas, traducción.



ANNA SCAVUZZO

Sede lavoro: Urologia Oncologica (Messico)
SSD: 06 - Scienze mediche
ERC: LS7 Diagnostic tools, therapies & public health

Laurea in Medicina e Chirurgia presso l’Università degli Studi di Catania (22/03/2006). Iscrizione all’Ordine dei Medici Chirurghi e Odontoiatri della Provincia di Catania. Formazione pos-laurea: Specializzazione in urologia conseguita il 07/09/2012 presso la Scuola di Specializzazione in Urologia dell’Università di Catania, Certification of Fellows of the European Board of Urology (FEBU) 02/06/2012 Brussel. Febbrario 2013- febbraio 2014 Fellowship in Uro-oncology in “Instituto Nacional de Cancerologia (INCan) of Mexico City Medico Adscrito, Urologo presso Instituto Nacional de Cancerologia (INCan), Mexico City da Giugno 2015. Prof. asociado del curso de Urologia -Oncologica presso INCan, reconocido por la Universidad Autonoma de Mexico Riconoscimento degli studi in Messico per la SEP del bachillerado, del titulo en Medicina y de la especialidad de Urología, 2015. Abilitazione alla profesione di medico cirujano y especialista en urologia per la SEP



LUISA VILLANI

Sede lavoro: UNAM (Messico)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: LS5 Neurosciences & neural disorders SH6 The study of the human past
Keywords: Anthropology, Linguistics, Archaeology, Filology and Filosofy

Luisa Villani: I'm an archaeologist and Anthropologist on American studies. I worked in a museum in Rome and in field work at Tajin and some countries of the Gulf Coast of Mexico. Now I'm studyind the totonac to improve my Knowledge of the totonac culture



Universidad Nacional Autonoma de Mexico

MONGOLIA



LUCIO TRIFILETTI

Sede lavoro:	cnr (Mongolia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS8 Evolutionary, population & environmental biology PE6 Computer science & informatics

research and expert-related capacity building and transfer of know-how between public authorities with experiences in Mongolia 2020 - today, Bosnia Herzegovina 2019- 2021, Albania 2019-today, Dominican Republic, Cuba HAITI 2010-2016, Thailand 2005, China 2004-2006, EU 1998-today. I was project manager in EU financed project on sustainable development (waste management, risk, tourism, fishery, etc) on the behalf of CNR, universities and public bodies

NORVEGIA



LUCA ANSALONI

H-Index:	19
Sede lavoro:	SINTEF AS (Norvegia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis
Keywords:	Ingegneria Chimica

Main Expertises: Synthesis of polymeric membranes for gas separation; Investigation of Membrane Contactor for CO2 capture and natural gas dehydration; Liquid pervaporation; Sorption of gases and vapours in polymers



FILIPPO BERTO

H-Index:	76
Sede lavoro:	Ntnu (Norvegia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Additive Materials, Fracture, Fatigue

Filippo Berto is international chair in fracture mechanics, fatigue, and structural integrity at the Norwegian University of Science and Technology of Trondheim, Norway, since 2016. He was professor of machine design at the University of Padua, Italy, between 2006 and 2015. He is chairman of the technical committee ESIS TC15 on Structural Integrity of additive manufactured components of European Structural Integrity Society. Filippo Berto received several awards and distinctions, such as Award of Merit (2018) and Wohler medal (2020) from the European Structural Integrity Society. He has received the Stephen Timoshenko Fellow (2018) given by University of Stanford (USA). Filippo Berto is part of the Top Italian Scientists Engineering (Italy). He is editor-in-chief or Editor of several scientific journals, such as, Fatigue & Fracture of Engineering Materials & Structures, Material Design & Processing Communications.



ALESSANDRO BUDRONI

H-Index:	2
Sede lavoro:	Universitetet i Bergen (Norvegia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations PE6 Computer science & informatics
Keywords:	Crittografia, cryptography, post-quantum cryptography, lattice-based cryptography, elliptic-curve cryptography, pairing-based cryptography cryptanalysis

Dopo la laurea triennale in matematica pura presso l'Università di Cagliari, si sposta a Trento per conseguire la laurea specialistica in matematica applicata, indirizzo Crittografia e Teoria dei Codici. Già prima di laurearsi si trasferisce a Londra per lavorare presso una startup (Miracl l.t.d.) come crittografo. Nel frattempo scrive la tesi sulla crittografia a curve ellittiche. Dopo circa un anno e mezzo di lavoro a Londra, lascia il lavoro in azienda per cominciare il dottorato presso l'Università di Bergen in post-quantum cryptography. Al momento (Novembre 2019) ha appena cominciato il terzo anno dei quattro anni previsti dal curriculum di dottorato.



MANFREDO CAPRIOLO

Sede lavoro: CEED, University of Oslo (Norvegia)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science

Since 2021: Postdoctoral researcher at the Centre for Earth Evolution and Dynamics, University of Oslo. 2017-2021: PhD in Earth Sciences at the University of Padova, with a PhD thesis entitled “Carbon in the Central Atlantic Magmatic Province and its implications for the end-Triassic mass extinction”, supervised by Prof. Andrea Marzoli (University of Padova) and Prof. Robert J. Newton (University of Leeds). 2014-2017: MSc in Applied Geological Sciences at the University of Torino, with an experimental thesis entitled “Geological-petrographic and metallogenic study of the Traversella Pluton (Italian Western Alps)”, supervised by Prof. Daniele Castelli and Prof. Piergiorgio Rossetti. 2011-2014: BSc in Geological Sciences at the University of Torino, with an experimental thesis entitled “Petrographic and microstructural study of the Himalayan leucogranites from the Everest, Makalu and Kangchenjunga regions (Eastern Nepal Himalaya)”, supervised by Dr. Chiara Groppo.



ENRICO CATALANO

H-Index: 4
Sede lavoro: Researcher in Molecular Medicine and Nanomedicine (Norvegia)
SSD: 05 - Scienze biologiche
ERC: LS9 Applied life sciences & biotechnology
Keywords: Terapie antitumorali, Nanotecnologie, Tumore al seno

Enrico Catalano, PhD in Biotecnologie mediche, esperto di medicina molecolare, nanotecnologie per le terapie antitumorali e nutrizione. Lavora da anni nel settore della nanomedicina rivolta alle terapie antitumorali. Membro del network di ricerca europeo COST “Cancer nanomedicine”. Premiato nel 2016 come uno dei 5 migliori ricercatori italiani nel settore delle nanotecnologie con il premio "NanoInnovation Got Talent” da parte della Fondazione Bracco. Si è trasferito nel settembre 2016 in Norvegia con una borsa di ricerca Marie-Curie per un progetto sulle nanotecnologie per contrastare il tumore al seno. Membro del comitato di esperti delle Nazioni Unite sulle tecnologie spaziali collabora con l’ufficio UNOOSA (United Nations Office for Outer Space Affairs). Nel 2018 è stato selezionato come uno dei 500 migliori giovani scienziati di tutto il mondo (Young Nobel Scientist) per partecipare al 68esimo Lindau Nobel Meeting dedicato alla Medicina in cui ha incontrato oltre 39 premi Nobel.



CLAUDIA CICONE

H-Index: 29
Sede lavoro: University of Oslo (Norvegia)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: Astrofisica; Formazione ed evoluzione delle galassie; Astronomia osservativa

EMPLOYMENT: 2019 – pres. Associate Professor, Institute of Theoretical Astrophysics, University of Oslo, Norway 2016 – 2019 Marie Skłodowska-Curie Fellow, INAF – Osservatorio Astronomico di Brera, Italy 2015 – 2016 Postdoctoral researcher, Institute for Astronomy, ETH Zurich, Switzerland EDUCATION: 2012 – 2015 PhD in Physics, Cavendish

Laboratory and Kavli Institute for Cosmology, University of Cambridge, UK. 2009 – 2011 Laurea magistrale di dottore in Astronomia e Astrofisica, Sapienza - Università di Roma, Italy 2006 – 2009 Laurea di primo livello in Fisica e Astrofisica, Sapienza - Università di Roma, Italy ACADEMIC QUALIFICATIONS: 2020 Abilitazione scientifica nazionale di seconda fascia (MIUR, ASN2018) GRANTS: 2020 – 2024 PI of AtLAST, EU's H2020 project awarded 3.5M EUR, Grant Agreement No. 951815 PUBLICATIONS: Author of 99 publications on international journals (according to NASA/ADS). h-index = 29. ORCID: 0000-0003-0522-6941



STEFANO FASCIANI

Sede lavoro:	University of Oslo (Norvegia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	SH5 Cultures & cultural production PE6 Computer science & informatics Systems & communication engineering
Keywords:	Sound and Music Technology

Stefano Fasciani has a academic background in electronic engineering and professional experience in the semiconductor industry and in the club scene. His research and personal interest are focused on technologies for sonic arts, including sound and music computing, sound synthesis and analysis, applied machine learning, human computer interaction, digital signal processing, and real-time embedded systems.



ARNOLDO FRIGESSI

Sede lavoro:	Universita' di Oslo (Norvegia)
SSD:	01 - Scienze matematiche e informatiche 13 - Scienze economiche e statistiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE1 Mathematical foundations PE6 Computer science & informatics
Keywords:	Statistica, machine learning, data science

Arnoldo Frigessi is professor of statistics at the University of Oslo, leads the biostatistics unit at the Oslo University Hospital and is director of BigInsight, a centre for research-based innovation, a consortium of industry, business, public actors and academia, producing research results from big data in various sectors of the knowledge based economy. His research interests include stochastic models, computationally intensive statistics, big data, preference learning, multivariate dependence, with applications to molecular biology, sensor data, cancer, personalized marketing and eHealth.



ROSA MANZO

Sede lavoro:	PluriCourts (Norvegia)
SSD:	12 - Scienze giuridiche
ERC:	SH3 Environment & society

Rosa Manzo is a researcher with particular expertise in general international law and international environmental law. She is currently working as a Ph.D Candidate in Climate Change Law at PluriCourts' Environmental Pillar. Prior to joining PluriCourts in March 2015, Rosa held a MA Degree in Law at Cattolica University of Milano (Italy, 2012). She spent one semester in the Netherlands at the Radbound University of Nijmegen (2011). Rosa successfully defended her master dissertation on the topic of unjustified enrichment and tort law according to Italian and Dutch Law. She received the

Realmonte Prize for the best thesis in civil law (2013). She has been awarded from the Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF) to finance her stay as a visiting scholar at the New Zealand Center for Environmental Law. She has been Fulbright scholar at the Sabin Center for Climate Change Law, Columbia University (New York).



GIUSEPPE MARINELLI

H-Index:	3
Sede lavoro:	NORD University (Norvegia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	ingegneria stradale, ingegneria civile, trasporti, mobilità, infrastrutture

My focus, since my bachelor degree, has always been in road transportation. I started my research career with a PhD on roads alignment reconstruction and surveying with innovative technologies and techniques, like Mobile Mapping. Afterwords, I moved to Norway for a 3 years long postdoctoral fellowship at NTNU Trondheim, working with the "Coastal Highway Route E39" project, investigating connections between road geometric design and energy demand.. Finally, I got the Associate Professor position in "Technology & Mobility" at NORD University, at the Traffic Section located in Stjørdal, Norway. My main research areas are focused on studying opportunities and challenges of the future in road transport, especially related to the development & implementation of new technology. My research topics include, but are not limited to, road design, speed modeling, risk in road infrastructures, new mobility models (MaaS), ITS, Vehicle & Infrastructure technological innovation.



ADRIANO MAZZINI

H-Index:	30
Sede lavoro:	Centre for Earth Evolution and Dynamics (CEED), University of Oslo (Norvegia)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Geochmica, emissioni metano, CO2, vulcani di fango, gas idrati

MSc Degree in geology (University of Genoa & Free University of Amsterdam); PhD he University of Aberdeen. Since 1995 focused research in offshore hydrocarbon seepage systems discovering new mud volcano and coral mound fields around the European margins and Arctic. Since 2005 continued studying piercement structures in sedimentary and volcanic basins both offshore and onshore, exploring mud volcanoes and hydrothermal vents in Europe, Asia and the Americas. Since 2006, has been focussing on the spectacular Lusi mud eruption in Indonesia. In 2012 won the ERC grant (LUSI LAB project) to continue the research at this eruption. Has established a fruitful cooperation with numerous institutes worldwide designing a multidisciplinary program covering fields that include geology, geochemistry, volcanology, microbiology, geophysics, numerical modelling, and engineering with design of new technologies. Published nearly 100 peer-reviewed papers, more then 100 contributions to conference proceedings



LUCA MENEGON

H-Index:	20
Sede lavoro:	University of Oslo (Norvegia)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science

Keywords:	tettonica della placche, terremoti, deformazione delle rocce, microscopia elettronica, catene montuose, fluidi nella litosfera terrestre

Professor Luca Menegon Date of birth: 16 November 1977 Place of birth: Bolzano, Italy Education 2006: PhD in Earth Sciences, University of Padova, Italy 2002: MSc in Geology, University of Padova, Italy Academic Career 2021-Present: Professor of Geology, University of Oslo, Norway 2021-Present: Project Manager of the Goldschmidt Laboratory, the Norwegian National Infrastructure for the Characterization of Solid Earth Materials 2018-2020: Associate Professor of Geology, University of Oslo, Norway 2017-2021: Associate Professor of Structural Geology and Tectonics, University of Plymouth, UK 2018: Italian National Qualification as Full Professor of Structural Geology June 2015: Guest Professor, University of Vienna, Austria 2014-2015: Adjunct Associate Professor, University of Tromsø, Norway 2013-2017: Lecturer in Structural Geology and Tectonics, University of Plymouth, UK 2009-2012: Postdoc, University of Tromsø, Norway 2006-2009: Postdoc, University of Padova, Italy



ARIANNA MINORETTI

Sede lavoro:	Statens vegvesen (Norvegia)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society
Keywords:	Civil engineering, transport system

Arianna Minoretti si laurea con lode in Ingegneria civile indirizzo strutture al Politecnico di Milano nell'Aprile 2004. Nominata cultrice della materia in Teoria e Progetto delle costruzioni in c.a. e c.a.p., collabora con il Prof. Franco Mola e con lo studio Fhecor di Madrid. Dopo dieci anni come consulente in ambito del calcolo strutturale di edifici, adeguamento sismico e progettista e direttore dei lavori di opere in area a rischio idrogeologico, si trasferisce in Norvegia dove inizia a lavorare per la pubblica amministrazione dei trasporti norvegese, prima nel dipartimento di ponti, poi come ingegnere capo nel dipartimento di tecnologia e sviluppo. E' responsabile per gli studi sul ponte di Archimede, sul quale ha pubblicato svariati articoli scientifici, presentando la tecnologia a conferenze, incontri pubblici e a due Tedx nel 2020. Nel 2017 ha ricevuto il premio ALUMNI per la ricerca, del Politecnico di Milano, e nel 2020 e' stata nominata Cavaliere della Repubblica italiana.



CINZIA PROGIDA

Sede lavoro:	Associate Professor (Norvegia)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology

EDUCATION 2008PhD.Faculty of Medicine and Surgery, Università Cattolica del Sacro Cuore, Roma, Italy. 2004 Master in Molecular Biology.University of Salento, Lecce, Italy. POSITIONS 2017 Associate Professor, Department of Biosciences (IBV), University of Oslo, Norway. 2014-2016Senior researcher, IBV, University of Oslo, Norway. 2008-2014Post-doc, IBV, University of Oslo, Norway. 2006Visiting PhD student (Stenmark's lab), The Norwegian Radium Hospital, Oslo, Norway.

STEFANO PULITI



H-Index:	5
Sede lavoro:	Norwegian Institute of Bioeconomy Research (NIBIO) (Norvegia)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Forest inventory, remote sensing, UAV, photogrammetry, laser scanning

Stefano Puliti is a research scientist at NIBIO and his research targets the use of remotely sensed data for forest resource assessment. Recent work has focused on the use of 3D photogrammetric data from UAVs for pre- and post-harvest inventory of forest biophysical properties such as timber stock, tree-species composition, and spatial distribution of root and butt rot. As a young scientist, Stefano has distinguished himself for the excellence of his scientific work and for the ability to cooperate with a number of international partners in Sweden, Finland, New Zealand, USA, and Italy.

JONATHAN RIZZI



H-Index:	13
Sede lavoro:	Norwegian Institute for Bioeconomy Research (Norvegia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Gematica, GIS, Telerilevamento, Scienze Ambientali, Bioeconomia, RIschio, Cambiamenti climatici

He has education in enviornmental sciences, GIS and remote sensing, with more than 15 years of work experience. He got experience as consultant, teacher, researcher and project manager of national and international projects, in international groups and work experience in countries such as China and Ecuador. His current position is mainly related to big data and geomatics applied in the bioeconomy sector, with a great interest also onin natural hazards. During his career he has been involved in research activities concerning the use of GIS in several environmental sectors, including climate change, contaminated sites and water quality. He also extensively worked on the design and development of GIS-based tools such as a Spatial Decision Support System and WebGIS. He also worked on the definition of methodologies for hazard and risk assessment and he has experience in MultiCriteria Decision Analysis (MCDA).

GIACOMO ROMAN



Sede lavoro:	University of Oslo (UiO) (Norvegia)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology

Hardworking and passionate Ph.D. student with nearly four years of research experience in international multidisciplinary research teams. Great expertise in designing and generating efficient gene knockouts (KO) with the CRISPR/Cas9 genome editing system. High proficiency in the generation and the use of Second and Third Generation Self-Inactivating (SIN) Lentiviral Vectors (LVs). Broad experience in the establishment, differentiation and maintenance of Induced Pluripotent Stem Cells (iPSCs) and the definition of standardized differentiation protocols for motoneurons (MNs), astrocytes, microglia and myocytes to develop an innovative 2D microfluidic in-vitro model of Amyiotrophic Lateral Sclerosis (ALS), based on Induced Pluripotent Stem Cell (iPSC) technology



BARBARA SCARNATO

Sede lavoro:	DNV (Norvegia)
SSD:	02 - Scienze fisiche 04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	de-carbonization, assets management, remote sensing, sustainability, aerosols, green house gases

I have been working in the remote sensing field for more than 18 years. I am currently a Principal Consultant at DNV based in Høvik, Norway and an Adjunct Assistant Professor at the Michigan Technological University. I studied Physics at the University of Milano, Italy and earned my doctorate in Science at the ETH-Zurich, Switzerland. I have had a strong international academic carrier in the field of remote sensing and signal interpretation. I have been awarded of a Postdoctoral fellowship at NASA Ames, and training from JPL and National Science Foundation in USA. I have joined the Naval Post Graduate School, as tenure track, teaching Remote Sensing of Ocean and Atmosphere and doing research on target identification and characterization to support defense operations. I joined DNV in 2016, since then I worked on projects involving data science and Earth observations to support assets management an, assessments of environmental and societal impacts and due diligence.



CLARA VALENTE

Sede lavoro:	1983 (Norvegia)
SSD:	04 - Scienze della terra 05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	impatto ambientale, ciclo di vita di prodotto, LCA, sostenibilita'

Clara Valente ha conseguito il dottorato in scienze forestali, presso l'Università norvegese delle scienze della vita (Norwegian University of Life Sciences), nel 2011. Ha conseguito la laurea magistrale in Analisi e Gestione dell'Ambiente (Scienze Naturali) presso l'Università di Torino . Dal 2012, lavora presso l'ente di ricerca Ostfold Research (Østfoldforskning). In Ostfold Research, Clara Valente lavora in vari progetti con particolare attenzione allo sviluppo della metodologia del LCA per includere aspetti sociali e socio-economici (analisi di sostenibilita'). Clara è stata coinvolta in diversi progetti regionali, nazionali ed europei.

VALERIA VITELLI



Sede lavoro:	University of Oslo (Norvegia)
SSD:	01 - Scienze matematiche e informatiche 13 - Scienze economiche e statistiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE6 Computer science & informatics
Keywords:	statistics, genomics, Bayesian, functional data

Curriculum vitae, Valeria Vitelli PERSONAL INFORMATION: born 22.12.1984, Italian, webpage: http://www.med.uio.no/imb/english/people/aca/valeriv/ EDUCATION 2012PhD: Statistics (disputation: 08.05.2012), MOX - Department of Mathematics, Politecnico di Milano, Italy 2008 Master: Mathematical Engineering (cum laude), Department of Mathematics, Politecnico di Milano, Italy 2006 Bachelor: Mathematical Engineering (cum laude), Department of Mathematics, Politecnico di Milano, Italy CURRENT AND PREVIOUS POSITIONS 2018- nowAssociate Professor, Oslo Centre for Biostatistics and Epidemiology, Department of Biostatistics, University of Oslo, Norway 2013-2018 Postdoc, Oslo Centre for Biostatistics and Epidemiology, Department of Biostatistics, University of Oslo, Norway

2012- 2013Postdoc, Chair of Systems Science and the Energetic Challenge, Ecole Centrale Paris and Supélec, France
2009- 2011PhD candidate, MOX - Department of Mathematics, Politecnico di Milano, Italy



INNOVITALIA
Il portale della diplomazia scientifica

PAESI BASSI

GABRIELE ADDARIO



Sede lavoro:	MERLN-Maastricht University (Paesi Bassi)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health PE8 Products & process engineering
Keywords:	Regenerative medicine, Biofabrication, Bioprinting, Additive Manufacturing, Polymers, Kidney

My name is Gabriele Addario and I finished the MSc in Biomedical Engineering, track Biomechanics and Biomaterials, at Politecnico di Milano, Italy in December 2019. I am currently working as a PhD Candidate in MERLN, at Maastricht University, in the Complex Tissue Regeneration (CTR) Department. The main goal of my project is the implementation of bioprinting techniques to produce an in vitro model, allowing the investigation of kidney fibrosis.



ELEONORA ARONICA

H-Index:	60
Sede lavoro:	Univ. Amsterdam, Academisch Medisch Centrum, (Paesi Bassi)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuropatologia, Epilessia, malformazioni cerebrali, tumori cerebrali

Eleonora Aronica completed her MD and Neurology residency at the University of Catania (Italy). After receiving a doctorate from the UvA she moved to the USA, where she had research associated appointments in Albany and New York. Subsequently, she moved to The Netherlands and joined the Dep. of Neuropathology of AMC at the University of Amsterdam's (UvA), where she completed the Neuropathology residence program. In 2012 she was appointed Professor of Neuropathology at the UvA, Faculty of Science. In 2016 she was appointed Professor of Neuropathology at the UvA 's Faculty of Medicine (AMC). She is actively involved in the different research lines, including neuro-oncology and developmental disorders. She leads a research group focused on translational research into Epilepsy. She is ILAE task force member. Her scientific honours include the Michael Prize (2011) for the best research in the field of epilepsy. She is the author of more than 300 peer-reviewed original articles.



EMANUELA BOSCO

Sede lavoro:	Eindhoven University of Technology (Paesi Bassi)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering

Emanuela Bosco is Assistant Professor in the Chair of Applied Mechanics at Eindhoven University of Technology (NL). Her research interest is in the field of computational mechanics. Emanuela obtained her MSc in Civil Engineering with first-class honors from the University of Brescia (Italy) in 2009 and her PhD in Numerical Methods for Engineering in 2013. After this, she worked as a post doc in the Materials Technology group at TU/e. She has spent several research periods abroad, at Oak Ridge National Laboratory and at Massachusetts Institute of Technology, USA. She is currently involved in the supervision of several MSc and PhD projects. In 2017, she was awarded of a VENI research grant from NWO. She is project leader in a NWO OTP Project and Co-leader in a NWO NICAS project. She is currently technical

manager of the European Project Horizon 2020 CollectionCare. Emanuela holds also a Music-Diploma in Viola, obtained at Conservatorium Marenzio of Brescia (Italy).



DARIO CALVANI

H-Index:	0
Sede lavoro:	Leiden University - Leiden Institute of Chemistry (Paesi Bassi)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	Renewable Energy, Hydrogen, Artificial Photosynthesis, Computational Chemistry, Materials Modeling, Materials Science, Catalysis

My PhD research at Leiden University is fitting into the context of the sustainable energy solutions, precisely the research field of hydrogen production by water splitting. I'm working on an innovative system that mimics natural photosynthesis and aims at capturing solar energy and storing it into various chemical products, which can be used as fuels , called Artificial Photosynthesis. The purpose of my research is to develop and characterize computationally a two-dimensional nanoporous polyaromatic monolayer membrane (2D-NPA), based on ubiquitous elements (mainly carbon and nitrogen), that we can use like Proton Exchange Membrane (PEM), coupled with the modelling of a new generation of Water Splitting Catlysts (WOC). My computational background and skills ranges from Quantum Methods (DFT, CPMD) to Classical Methods (Molecular Dynamics, ReaxFF, Coarse Grained) combined with new Machine Learning techniques and with strong and fruitful collaborations with experimental groups.



TIZIANA CARDONE

Sede lavoro:	European Space Agency (Paesi Bassi)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Strutture, Spazio

A dynamic Structures Engineer with a very broad background in the field of space structural engineering ranging from spacecraft, payload structures and mechanical systems to launchers structures, working at ESA-ESTEC. Has a proven track record of successfully participating in feasibility studies for the definition of specifications and analysis of industrial proposals. Provides technical support to numerous ESA approved spacecraft and payload projects for all aspects related to mechanical systems and configuration, structural design, static and dynamic analyses, fracture control and mechanical testing, participating also in major reviews. Participates in definition and execution of Agency standards and technology R&D programmes with special emphasis on mechanical system and configuration aspects, lightweight structures, structural dynamics and advanced structural materials technologies. Has a very good understanding of space related technologies, R&D trends and industrial landscape.



SERGIO CONSOLI

H-Index:	12
Sede lavoro:	Philips Research (Paesi Bassi)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Data Science

Since January 2016 I am a Senior Scientist within the Data Science department of Philips Research, Eindhoven, The Netherlands. From June 2015 until December 2015 I was a Computer Engineering Officer within the Italian Presidency of the Council of Ministers, Rome. From September 2013 until May 2015 I was a postdoctoral researcher at the National Research Council of Italy, within the Institute of Cognitive Sciences and Technologies. From September 2011 until September 2013 I was employed as postdoctoral researcher by the European Commission Joint Research Centre in Ispra, Italy, within the Institute for the Protection and Security of the Citizen. From March 2009 until September 2011 I worked as R&D software developer at the Isab S.r.l. refinery by ERG and Lukoil oil companies. On the 8th December 2008 I was awarded with a Ph.D. in Operational Research at the School of Information Systems, Computing and Mathematics at Brunel University.

MARIA LAURA FERRANDO



H-Index:	5
Sede lavoro:	POSTDOCTORAL RESEARCH SCIENTIST (Paesi Bassi)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS6 Immunity infection
Keywords:	Host-microbe interactions, metagenomics, vaccine, infectious disease, zoonosis, clinical microbiology

WAGENINGEN UNIVERSITY. Wageningen (NL) Nov 2017 - Present POSTDOCTORAL RESEARCHER Program for Innovative Global prevention of Streptococcus suis ACADEMIC MEDICAL CENTER. Amsterdam (NL) Mar 2012 - Mar 2016 POSTDOCTORAL RESEARCHER Zoonotic bacterial infection in humans WAGENINGEN UNIVERSITY. Wageningen (NL) Jan 2008 - Jun 2012 PHD CANDIDATE Study of Streptococcus suis virulence UNIVERSITY OF AMSTERDAM. Amsterdam (NL) Jun 2006-Jan 2008 RESEARCH ASSOCIATE Development of novel anti-microbial agents UNIVERSITY OF CAGLIARI. Cagliari (IT) May 2004 - May 2006 RESEARCH ASSOCIATE Microbiological environmental monitoring EXPERIMENTAL ZOOTECHNICAL INSTITUTE LOMBARDIA-EMILIA ROMAGNA. Brescia (IT) May 2002 - 2004 RESEARCH ASSOCIATE Detection of viruses in animals by molecular method NATIONAL INSTITUTE OF AGRICULTURE & BOTANY. UNIVERSITY OF PARMA. Parma (IT) Jen 1999 - Dec 2001 RESEARCH ASSOCIATE Detection of GMOs in food

FRANCESCO FIORANELLI



Sede lavoro:	Assistant Professor (Paesi Bassi)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Radar systems and radar algorithms

I graduated in Telecomm Engineering (summa cum laude) at the Università Politecnica delle Marche, Ancona, Italy for my Bachelor (2007) and Master (2010). I received my PhD on through-wall radar imaging at Durham University, UK in January 2014, then worked as a Research Associate on multistatic radar with Prof Hugh Griffiths at University College London between February 2014 and March 2016. I then joined the University of Glasgow in April 2016 as a Lecturer in the Glasgow College UESTC, the educational and research partnership between the University of Glasgow and the University of Electronic Science and Technology of China (UESTC) in Chengdu. I joined TU Delft (Delft University of Technology) in November 2019 as an Assistant Prof, where I am working at the moment.



VINCENZO FOGLIANO

H-Index:	66
Sede lavoro:	Wageningen University (Paesi Bassi)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Food science

Mi occupo di Scienza degli Alimenti dal 1993 quando ho iniziato la mia carriera all'Università di Napoli Federico II. Sono stato professore di Biochimica poi di Chimica degli Alimenti e Alimenti funzionali. Dal 2013 mi sono spostato nei Paesi Bassi per lavorare all'Università di Wageningen che è la prima del mondo nel settore della scienza degli alimenti. Qui dirigo il gruppo di Food Quality & Design che si occupa della ricerca che è alla base dello sviluppo di alimenti innovativi in particolare di quelli salutistici. Sono Editor in Chief della rivista Journal of Functional Foods e sono autore di oltre 300 pubblicazioni sulle principali riviste scientifiche del mio settore. Dal 2013 sono l'unico italiano citato ininterrottamente nella classifica ISI denominata "Highly Cited Researchers" per il settore agroalimentare https://hcr.clarivate.com/



LUCA FRACCASCIA

H-Index:	4
Sede lavoro:	University of Twente (Paesi Bassi)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Luca Fraccascia è attualmente postdoctoral researcher presso il dipartimento di Industrial Engineering and Business Information Systems della University of Twente (Paesi Bassi). Ha conseguito la laurea magistrale in Ingegneria gestionale presso il Politecnico di Bari nel 2014 e il dottorato di ricerca in Ingegneria meccanica e gestionale presso il Politecnico di Bari nel 2017. Da maggio ad agosto 2017 è stato borsista di ricerca presso il Politecnico di Bari. Svolge attività di ricerca sui temi della circular economy, simbiosi industriale, agent-based modeling ed economic complexity. Autore di 11 paper pubblicati su riviste internazionali, opera come reviewer per 13 riviste internazionali. Ha svolto attività didattica e supervisione di tesi di laurea in Italia e all'estero. Dal 2015 è abilitato all'esercizio della professione di ingegnere in Italia.



RAFFAELLA MORGANTI

H-Index:	73
Sede lavoro:	ASTRON (Paesi Bassi)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	astrofisica, astronomia extragalattica, radio astronomia

Senior Astronomer at ASTRON (Netherlands Institute for Radio Astronomy) and Full Professor of Astronomy at the Kapteyn Institute (Groningen, NL). My research focuses on extragalactic astronomy and radioastronomy. Between 2007 and 2014 I have been Head of the ASTRON Astronomy Group. Graduated in Astronomy (Cum Laude), University of Bologna (1982): `Observations of compact radiosources with VLBI' Ph.D. in Astronomy at the University of Bologna (1987): `Morphology and Physics of Radiogalaxies'. Past employment : February 1988 - June 1989: Fellowship European Southern Observatory (D) Dec 1988 - September 1999: Staff astronomer - Istituto di Radioastronomia, CNR, Bologna (Italy) Since September 1999 – Staff Astronomer at ASTRON (NL) Awards and Honours: 2012 - Advance Grant from the

European Research Council (ERC AdG, 2.5mil euro): Exploiting new radio telescopes to understand the role of AGN in galaxy evolution 2014 - Commendatore dell' Ordine della Stella di Italia



LAURA PIRRO

Sede lavoro:	Yara International (Paesi Bassi)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	chimica industriale, gas naturale, catalisi, fertilizzanti, ammoniaca, processi, urea, nitrato di ammonio, sostenibilita, chimica verde

Laura obtained her Bachelor's (2012) and Master's degree (2014) in Chemical Engineering at the University of Naples "Federico II", both summa cum laude. In 2014, she received the "Roberto Rocca Education" award for the best engineering graduates in industrial engineering disciplines at the University of Naples, and in 2015 she was awarded the 1st prize as best ChemEng graduate of 2014. After two short professional experiences in the chemical industry (2014-2016, Milan, Italy - as process engineer and account manager), in 2016 she started her PhD at Ghent University(Belgium). In 2019, she spent 3 months at the UBC in Vancouver (Canada). Her PhD research activity resulted in 8 A1 publications and several contributions to international conferences. She coached 6 master students, published a career column in Nature about agile management of PhD projects and worked as teaching assistant. She received her PhD in November 2020. From Jan 2021, she works as R&D Engineer in Yara (Sluiskil, NL).



GEMMA PITOTTI

Sede lavoro:	Amsterdam UMC (Universiteit van Amsterdam) (Paesi Bassi)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Setticemia; Microbioma; Immunita'; Organoidi

Gemma Pitotti g.pitotti@amsterdamumc.nl Work Tytgat Institute, Amsterdam UMC, Amsterdam, Netherlands – Early Stage Researcher, GROWTH consortium, Horizon 2020 Nov 2019-Nov 2022 Sepsis development in preterm neonates Education Imperial College London, London, UK - MRes Systems and Synthetic Biology Sep 2018 - Sep 2019 Introduction to Systems and Synthetic Biology, followed by 9-month research project Imperial College London, London, UK - BSc Biotechnology Sep 2015 - June 2018 Final Year Research Project: 'Mechanism of Pathogen Recognition in C. elegans' Research Experience Imperial College London, London, UK - Modelling the Role of Microbiome on Eczema January 2019 - August 2019 MRes Research project supervised by Dr. Tanaka Build mathematical models describing S. aureus quorum sensing system and toxin production Model analysis on MATLAB Extracurricular Activities GROWTH Consortium – ESR representative Nov 2020 Bridge communication between ESR board and ESRs



GIORDANO SCAPPUCCI

Sede lavoro:	TU Delft, QuTech (Paesi Bassi)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	quantum computing, materials, semiconductors

Dr. Giordano Scappucci is Group Leader at QuTech/TU Delft, Netherlands since 2015 and an expert in materials for quantum technologies. During his PhD (2004, University of Roma TRE, Italy), he made state of the art high mobility

Si/SiGe heterostructures and nanowire transistors. Key achievements during his time at the University of New South Wales, Centre for Quantum Computing Technology, Australia (2005-2015) include the development of atomic-scale donor-based device technology in silicon and germanium. At TU Delft, Dr. Scappucci leads the efforts in group IV semiconductors for quantum computation. He is a principal investigator in the QuTech/Intel partnership to accelerate quantum computing. Dr. Scappucci has co-authored over 50 technical publications, including publication in top-tier journals Nature and Science, has given over 40 invited talks at international conferences, universities, research institutes and industry.



Wageningen University

POLONIA



CHIARA RINOLDI

H-Index:	14
Sede lavoro:	Institute of Fundamental Technological Research POLISH ACADEMY OF SCIENCES (Polonia)
SSD:	05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS9 Applied life sciences & biotechnology

Chiara Rinoldi received her M.Sc. degree in Biomedical Engineering from Politecnico di Milano, Italy in 2014, and her Ph.D. degree in Materials Science and Engineering from Warsaw University of Technology, Poland in 2020. In 2019, she has joined the Department of Biosystems and Soft Matter at the Institute of Fundamental Technological Research, Polish Academy of Sciences, Poland; where she is an assistant professor since 2020. Her research is focused on biomaterials, including conductive and light-responsive hydrogels and fiber-based scaffolds for tissue engineering, drug delivery, neural biointerface, and wound healing. She is interested in combining different fabrication techniques and materials for obtaining innovative and advanced systems. Her activities also involve cell isolation and differentiation, as well as evaluation of cell-material interactions.



AMEDEO ROMAGNOLO

Sede lavoro:	Nicolaus Copernicus Astronomical Center, the Polish Academy of Sciences (Polonia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	pianeti extrasolari, esopianeti, onde gravitazionali, clima, stelle, stelle binarie, buchi neri, stelle di neutroni, divulgazione

Research assistant at the Physical Anthropology departement in the University of Turin Bachelor degree in Physics in the University of Turin Master degree in Space Sciences in the University of Liege, Belgium Research assistant in the infrared astronomy department at MPE under the Nobel prize 2020 Reinhard Genzel, Munich, Germany PhD at Nicolaus Copernicus Astronomical Center, Warsaw, Poland (ongoing) Member of the French Astrobiology Society Ozone monitoring at ARPA Valle d'Aosta JUICE space mission Orbital entry and escape simulations for a spacecraft inside Venus atmosphere Evolution of martian polar caps Supermassive black holes Stellar and binary evolution Black holes and neutron stars for gravitational waves astronomy LIFE space mission Habitable exoplanets Population Synthesis Science communicator in magazines and books (NEOS Magazine e Laksa Media Group Inc.) Python/C/C++ Italian, English, French

PORTOGALLO

DAVIDE ACCARDI



Sede lavoro:	Champalimaud Centre for The Unknown (Portogallo)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Microscopia, Ottica, Sviluppo di tecnologia ottica, light microscopy, electron microscopy, biofisica, biomedica

15th March 2019 – present: President of Hipacia – Association of Italian researchers in Portugal 1st January 2018 – present: Chair of the Lisbon BioImaging Group (Lx-BIG) – Within the COLIfe project. COLife is an alliance of six research institutes in life sciences located in the Lisbon area 1st August 2017 – present: Head of Department of the Advanced BioImaging and BioOptics Experimental Platform (ABBE Platform) of the Champalimaud Centre for the Unknown (CCU) – Lisbon, Portugal. 1st August 2012 – 31st July 2017: Microscopist and Image specialist position in the Light Microscopy Core Facility of the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG) – Dresden, Germany. May 2008 – June 2012: PhD student at the Max Plank Institute for Molecular Cell Biology and Genetics (MPI-CBG) – Dresden, Germany. January 2003 – February 2008: Research staff in the Department of Biology at the University of Palermo (Italy)

NOEMI ALFIERI



Sede lavoro:	Faculdade de Ciências Sociais e Humanas - Universidade Nova de Lisboa (Portogallo)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production

Noemi Alfieri is a PhD candidate in Portuguese Studies, with specialization in Book History and Textual Criticism, by FCSH – UNL (Lisbon, Portugal), being her thesis “(Re) Building the identity through conflict: an approach to African Literatures Written in Portuguese (1961-74)” already delivered and set to be discussed on the first semester of 2021. She’s an integrated researcher at CHAM – Centre for the Humanities and a FCT (Portuguese Foundation for Science and Technology) fellow. She’s member of the research group Readings and forms of writing (CHAM), and she collaborates with the research lines of Women’s and gender History and African Studies of the same research center. Her research interests are related to censorship, decolonization, gender and identity constructions.

DANIELE BORTOLI



H-Index:	15
Sede lavoro:	Assistant Professor (Portogallo)
SSD:	02 - Scienze fisiche 04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Atmospheric Physics, Ozone, NitrogenDioxide, Spectrometer, Lidar, Climate change, aerosol

DB graduated in Physics at the "Alma Mater Studiorum" in 1998. In 2005 completed his PhD in Atmospheric Physics at Évora University (UE)-Portugal. In 2008 holds a 5 years research contract, at the Évora Geophysics Centre (CGE) as invited researcher, followed of one more contract (2013-18) as Principal Investigator at the Institute of Earth Science at the UE. DB since April 2019 is assistant professor at the physics department of the UE. In 2007 DB participated in the creation of the Portuguese Polar Program. He participated in six Antarctic Expeditions thanks the strong collaboration

between the UE and the ISAC-CNR Institute. Main fields of research: physics and chemistry of atmospheric compounds at high/midlatitudes, ozone hole in Arctic/ Antarctic,characterization of solar radiation.



MAURO CASTELLI

H-Index:	23
Sede lavoro:	Universidade Nova de Lisboa (Portogallo)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Machine Learning, Artificial Intelligence, Evolutionary Computation, Public Administrations

Mauro Castelli is an associate professor and a senior research scientist in the field of Computational Intelligence and Machine Learning in the NOVA Information Management School (NOVA IMS), Universidade NOVA de Lisboa (Portugal). He received his Ph.D. in Computer Science at the University of Milano Bicocca (Italy). His research interests are focused on the study of machine learning methods that can be used to take advantage of the vast amount of data that are produced nowadays. In particular, the research focuses on the development, implementation, and application of computational intelligence systems for addressing complex real-world problems in different domains. Dr. Castelli has a proven record of outstanding research, as evidenced by existing high-quality publications. He has published his research in a variety of top-quality academic outlets. He is involve in national and international research projects in the area of machine learning.



FRANCESCA DAL CIN

Sede lavoro:	FormaUrbis LAB, CIAUD, Lisbon School of Architecture, Universidade de Lisboa (Portogallo)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society
Keywords:	Climate change, Sea Level Rise, Urban Form, Coastal cities, Environmental Planning

Francesca Dal Cin (Conegliano, Italy, 1990), graduated in Architectural Science with Urban Planning specialization from the Architecture University of Venice, IUAV, in 2017. Later, in 2017, she develops a PhD in Urban Planning at the Faculty of Architecture, University of Lisbon (Portugal), with the thesis “Streets by the sea. Typo-morphology of Portuguese Atlantic waterfronts facing sea level rise”, supported since 2018 by a research fellowship from the University of Lisbon. Since 2017, she is part of formaurbis LAB, a research team that develops several research projects related to urban forms. She participates in national and international seminars and regularly publishes articles on the theme of Urban Morphology and Water. Her research area is the definition of architectural and urban rules for the adaptation of the waterfront, its connections between the floating building and the consolidated city, in a climate change scenarios.



MANCINO SAMANTHA

Sede lavoro:	IMM Instituto de Medicina Molecular (Portogallo)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	neuroscienze

Pharmacist and PhD in Neuroscience with comprehensive experience in Neuropharmacology and Psychiatric research. To date, I have coauthored five scientific journal articles presented at more than 10 scientific forums and international meetings, and my achievements have been recognized with scientific merit awards. At the moment, I am looking for new positions also in a clinical setting. I have knowledge in Public Health due to a period formation spent at the Italian Permanent Mission to International Organization-OO.II in Geneva - Switzerland (World Health Organization - WHO). Here, I participated in formal and informal meetings related to Pharmacovigilance, social determinant



GIORGIO SCALICI

Sede lavoro:	NOVA Università di Lisbona (Portogallo)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production
Keywords:	Religione, Morte, Antropologia, Sciamanesimo, Culture Indigene

Mi interesso di studi sulla morte, antropologia della musica, antropologia delle religioni e culture indigene.



ANDREA ZILLE

H-Index:	25
Sede lavoro:	Universidade do Minho (Portogallo)
SSD:	05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Ingegneria chimica e dei materiali, materli fibrosi, tessile, nanotechnologie

Andrea Zille graduated in Environmental Science with Biochemistry specialization from the University of Venice (Italy) in 2000. Later, in 2005, he completed a PhD in Textile Chemistry Engineering at the University of Minho (Portugal). Nowadays, as Assistant tenure researcher at the University of Minho at the Centre for Textile Science and Technology (2C2T) he leads the investigation line “Bio- and nano-technology applied to materials” consolidating his research line on the antimicrobial and antifouling properties of enzyme- and nano-coated polymeric materials. Since 2016 he is invited professor of the Master in Textile Engineering at the Universidade Federal do Rio Grande de Norte (UFRN) in Brazil. From 2017 he is Lead Author of the Intergovernmental Panel on Climate Change (IPCC) at the Task Force on National Greenhouse Gas Inventories for the textile greenhouse fluorinated gas emissions chapter in the IPCC refinement 2019.

REGNO UNITO



VINCENZO ABBATE

Sede lavoro:	King's College London (Regno Unito)
SSD:	03 - Scienze chimiche
ERC:	LS7 Diagnostic tools, therapies & public health PE4 Physical & Analytical Chemical sciences
Keywords:	tossicologia; analisi; spettrometria di massa; radiofarmaceutici

Dr Vincenzo Abbate completed his Pharm. D. in 2004 (110/110 cum laude) at Federico II University of Naples (Italy). He then moved to the UK to undertake a PhD in Chemistry and Analytical Sciences at The Open University. In 2008 he was awarded a prestigious Maplethorpe Fellowship of the University of London for the promotion of teaching and research in the pharmaceutical area. Abbate is currently a Senior Lecturer in Analytical Toxicology within the King's Forensics Research Group at King's College London (UK), where he leads a research group of 8 personnel and serves as the Programme Director for the Analytical Toxicology MSc programme. A Titular Member of the IUPAC Division of Chemistry and Human Health where he chairs an international committee on New Psychoactive Substances, and is the President of the IUPAC Subcommitte on Toxicology and Risk Assessment. He is member of the RSC, ACS, SOT, BTS and TIAFT, a Chartered Chemist (CChem) and Chartered Scientist (CSci)



DONATO AMITRANO

H-Index:	11
Sede lavoro:	University of Surrey (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE10 Earth system science
Keywords:	remote sensing, synthetic aperture radar, machine learning, satellit image processing

Donato Amitrano received the bachelor's degree in aerospace engineering, the master's degree in aerospace and astronautical engineering, and the Ph.D. degree in electronic and telecommunication engineering from the University of Naples Federico II, Naples, Italy, in 2009, 2012, and 2016, respectively. From 2016 to April 2018, he was a Research Fellow with the University of Naples Federico II. He then joined the Surrey Space Centre, University of Surrey, Guildford, U.K., as a Research Associate. In 2017, he was co-founder and CEO of Latitudo 40, a high-tech company spin-off of the University of Napoli Federico II operating in the remote sensing sector. In the same year, he reached the second place (in team) in the University Challenge of the ESA Copernicus Masters competition. His main research interests are multitemporal SAR data analysis, remote-sensing techniques for developing countries, machine learning, human vision, SAR images interpretation and understanding and data fusion.



FABRIZIO ANTENUCCI

Sede lavoro:	Saddle Point Science Ltd. (Regno Unito)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

Ricercatore in Meccanica statistica e sistemi disordinati

CESARE GIULIO ARDITO



H-Index:	2
Sede lavoro:	University of Manchester (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	algebra, gruppi, rappresentazioni, blocchi, gruppi finiti

Ricercatore in matematica pura (Algebra). University of Manchester PhD, Laurea triennale e magistrale all'Università di Roma "La Sapienza". Al momento sono un Fellow all'Università di Manchester. Precedentemente, ero un ricercatore postdoc alla City University di Londra, supportato da un grant "Early Career Fellowship" della London Mathematical Society. Studio rappresentazioni modulari di gruppi, blocchi e, più in generale, teoria dei gruppi. Mi interessano anche teoria dei grafi e categorie. Vorrei che l'insegnamento avesse un ruolo centrale nella mia carriera accademica. Nel 2019 sono diventato un Fellow della Higher Education Academy, titolo conferito a coloro il cui stile di insegnamento rispecchia i criteri dell'UKPSF. Ho organizzato la conferenza "MRSC 2019" all'Università di Manchester. Più informazioni sono disponibili sulla mia pagina web: https://cesaregardito.eu

RAIMONDO ASCIONE



H-Index:	47
Sede lavoro:	University of Bristol (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health PE8 Products & process engineering
Keywords:	Development and testing of new biomedical devices; first-in-man randomized trials;

Chair of Cardiac Surgery and Translational Research, Director TBRC, University of Bristol NHS Consultant Adult Cardiac Surgeon and Bristol Heart Institute, University Hospital Bristol NHS Foundation Trust Founder and Director of the Translational Biomedical Research Centre (TBRC - http://www.bristol.ac.uk/health-sciences/research/tbrc/) since 2013. He has > 250 publications including 219 original articles, 2 patents, 7 book chapters, 32 Conference Contributions, 22 Reviews and Editorials, > 45 releases on media/internet. > 8140 citations; H-Index: 47. His publications can be seen at https://scholar.google.com/citations?user=5CWyR24AAAAJ&hl=en.

TOMASO ASTE



H-Index:	40
Sede lavoro:	University College London (Regno Unito)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	Complex Systems, Machine learning, Modelling of Socio-economic systems

Tomaso Aste is professor of Complexity Science at UCL Computer Science Department. A trained Physicist, has substantially contributed to research in complex structures analysis, financial systems modelling, artificial intelligence and machine learning. He is passionate in the investigation of the effect of technologies on socio-economic systems and currently he focuses on peer-to-peer and distributed systems. Prof. Aste is leading research on complexity science and network theory applied to socio-economic systems. He works with regulators on the application of FinTech and Blockchain to financial regulation. He is co-founder and Scientific Director of the UCL Centre for Blockchain

Technologies, founder and Head of the Financial Computing and Analytics Group at UCL, Member of the Board of the ESRC LSE-UCL Systemic Risk Centre and Member of the Board of the Whitechapel Think Thank. He collaborates with the Financial Conduct Authority, The Bank of England and HMRC.



ILEANA BADI

H-Index:	8
Sede lavoro:	University of Oxford (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS3 Cellular and Developmental Biology
Keywords:	Malattie cardiovascolari, biologia molecolare, biologia cellulare

My principal research interests lie in understanding the cellular and molecular mechanisms leading to cardiovascular disease. At the beginning of my career I focused the attention on the genetics of congenital heart diseases and on the transcriptional control of heart development. I then moved my interest to the post-transcriptional regulation in vascular biology and pathology with a particular focus on the vascular calcification process that shares important features with bone development. Now, I am keen on studying how the cross-talk between the adipose tissue and the cardiovascular system can affect cardiovascular disease.



MARTA BARBON

Sede lavoro:	Imperial College London (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

I obtained both my BSc in Biological Sciences and my MSc in Biomolecular and Cellular Sciences from the University of Ferrara, Italy. During my undergraduate studies, I did two internships on Erasmus fellowships in 2012 and in 2014 at the Centre for Structural Biochemistry (CBS) in Montpellier, France. During my MSc, under the supervision of Dr Hélène Déméné and Dr Albane LeMaire I undertook a work on the structural analysis of MLL5, an epigenetic enzyme that is frequently deleted in myelomas. I joined the DNA Replication Group at Imperial College London (UK) in October 2014 as a PhD student to study the biochemical and structural role of the replicative helicase MCM2-7 during initiation of DNA replication. I enjoy travelling, cooking, running and swimming.



PAOLO BARUCCA

Sede lavoro:	University College London (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets PE6 Computer science & informatics

2018-now Lecturer in the Department of Computer Science, University College London



MARGHERITA BATTISTARA

Sede lavoro:	University of Cambridge (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology

Keywords:	Biologia dello sviluppo

Per la mia laurea triennale, ho svolto un tirocinio all'Università di Padova studiando gli effetti dell'esposizione agli antibiotici sulle cozze d'acqua dolce. Mi sono poi trasferita all'Università Ludwig-Maximilian di Monaco per la laurea magistrale. Ho studiando il ruolo dell'espressione genica nell'adattamento al freddo, per poi studiare come la pigmentazione nelle ali delle Drosophile viene depositata durante lo sviluppo. Dopo aver completato la mia ricerca, ho svolto un tirocinio a Parigi sulla variablitá fenotipica di alcune specie di moscerini. Sono stata poi ammessa ad un programma di dottorato presso l'Università di Cambridge. Ho realizzato tre brevi progetti durante il mio primo anno, esplorando i principi morfogenetici che governano lo sviluppo degli embrioni di insetti e pesci. Per il mio progetto di dottorato, sto studiando l'evoluzione della forma delle cellule durante i primi momenti dello sviluppo degli insetti.



FRANCESCO BELARDINELLI

Sede lavoro:	Imperial College London (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Formal Methods, Multi-agent Systems, Model Checking, Knowledge Representation & Reasoning

10/18-08/21 Department of Computing, Imperial College London, UK Lecturer in Computer Science 09/12-09/18 Laboratoire IBISC – Informatique, Biologie Intégrative et Systèmes Complexes, Université d'Evry, France Maître de Conférences HDR in COMPUTER SCIENCE 12/15-08/16 Department of Computing, Imperial College London, UK Research Associate 07/11-08/12 Department of Computing, Imperial College London, UK Research Associate 07/09-07/11 Department of Computing, Imperial College London, UK IEF Marie Curie Fellow 07/07-07/09 Scuola Normale Superiore, Pisa, Italy Post-Doc Researcher



NICOLA BELLOTTO

H-Index:	20
Sede lavoro:	University of Lincoln (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Robotics, artificial intelligence, computer vision

Dr Nicola Bellotto Associate Professor School of Computer Science University of Lincoln, UK nbellotto@lincoln.ac.uk Education 2008 PhD in Computer Science, University of Essex, UK 2004 Master in Electronic Engineering, University of Padova, Italy Previous Appointments 2010-2015 Senior Lecturer, University of Lincoln, UK 2009-2010 Lecturer, University of Lincoln, UK 2008-2009 Post-doctoral Research Assistant, University of Oxford, UK Recent Grant Funding Google Faculty Research Award. ActiVis: Active Vision with Human in the Loop for the Visually Impaired, 2016-2019 (PI), $55k. EU H2020. ENRICHME: Enabling Robot and Assisted Living Environment forIndependent Care and Health Monitoring of the Elderly, 2015-2018 (Co-PI and Technical Manager), €545K - total budget €4M. EU H2020. FLOBOT: Floor Washing Robot for Professional Users, 2015-2018 (Co-PI), €305K - total budget €3.2M. Publications https://scholar.google.com/citations?user=MclMnwoAAAAJ



GIOVANNA BERMANO

H-Index:	21
Sede lavoro:	Robert Gordon University (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Obesity, nutrition, selenium, oxidative stress

I am a registered nutritionist and have 20 years' experience in nutrient-gene regulation and nutraceutical research with a focus on obesity and associated disorders. My research involves the use of a wide range of cellular, in vitro and ex vivo models, and clinical studies to explore how normal physiology is altered in obesity associated diseases such as cancer, diabetes, fatty liver disease and cardiovascular disease, and to identify novel nutritional/therapeutic targets. Nutrients of interests include micronutrients such as the trace element selenium, and bioactive compounds isolated from natural products. Her research has highlighted the importance of selenium status in colon cancer susceptibility and of a nutrient-gene-interaction leading to greater susceptibility of certain individuals to this disease, allowing the characterisation of biomarkers to be used for identification of individuals at high risk.



MARCELLO BERTOTTI

H-Index:	8
Sede lavoro:	Institue for Health and Human Development (Regno Unito)
SSD:	06 - Scienze mediche 13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	LS9 Applied life sciences & biotechnology SH3 Environment & society
Keywords:	salute, benessere, social prescribing, valutazioni di impatto, evaluation

Dr Marcello Bertotti e' Senior Research Fellow all'Istituto per la salute e lo sviluppo umano (University of East London) ed e' Improvement Fellow a University College London (UCLPartners). Ha condotto progetti di ricerca nel campo delle piccole imprese inglesi, imprese sociali in Corea del Sud, e negli ultimi anni si e' specializzato sul tema della salute in comunita' urbane svantaggiate. Marcello e' interessato al collegamento tra i rapport sociali e la salute/benessere e le applicazioni pratiche di queste ricerche in interventi sul territorio. Ha condotto valutazioni di impatto e altri tipi di ricerca per un numero di investitori pubblici come Health Foundation, and Arts and Humanities Research Council. Recentemente, Marcello si occupa di 'social prescribing', un modello che si occupa di mettere in contatto medici di base con il terzo settore. E' co-conduttore del social prescribing network per Londra e ha pubblicato su questo ed altri temi in riviste specializzate.



MATTEO BIANCONI

H-Index:	8
Sede lavoro:	Università di Birmingham (Regno Unito)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astronomia, Astrofisica

My research focuses on studying large scale structures in the Universe. Clusters of galaxies allow us to analyse gravitational and hydrodynamical interactions between galaxies and with the diffuse intracluster medium that are presumed to play a role in quenching both star formation and black hole accretion activity. As current member of the LIGO-Virgo electromagnetic follow-up collaboration, I have actively participated to the design, acquisition, reduction

and analysis of the first observational campaign searching for strongly lensed counterparts of gravitational waves. This is a revolutionary campaign that is fully exploiting the new multi-messenger era of Astronomy, allowing to bridge between vastly different scales of interaction and probing simultaneously General Relativity, Dark Matter, and black hole physics. Furthermore, I study the presence of black holes in different morphological types of galaxies and the relations between black hole and host down to the dwarf regime.



LAPO BOGANI

H-Index:	32
Sede lavoro:	University of Oxford (Regno Unito)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis
Keywords:	Nanomagnetismo, Nanoelettronica, Grafene, Magneti Molecolari, Coerenza Quantistica

After a PhD in Chemistry at the University of Florence (2006), LB moved to France (CNRS Grenoble) with an individual Marie Curie fellowship and later to Germany (University of Stuttgart) as a Sofja Kovalevskaja fellow in 2010. In 2015 he moved to the University of Oxford, as Royal Society URF fellow with an ERC starting grant and, after being confirmed Professor, he is now developing an ERC Consolidator Grant at the same institution. LB's research focuses on the synthesis and understanding of novel magnetic materials and ways of integrating them into nanodevices. LB’s interests span from synthesis to instrumentation development, from nanofabrication and ultra-sensitive measurements, to theoretical modelling. He has been the recipient of numerous prizes, including the Burghen, Oliver Kahn and Nicholas Kurti European Science Prizes.



DAVIDE BRUNO

H-Index:	18
Sede lavoro:	Liverpool John Moores University (Regno Unito)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Memory, Dementia

Senior Lecturer in Psychology, Liverpool John Moores University, UK. Previously Research Assistant Professor, Department of Psychiatry, School of Medicine, New York University, New York, NY, USA. Education: PhD, Psychology; Keele University, UK. Selected Publications Bruno, D., et al. (2018). The recency ratio as predictor of early MCI. International Psychogeriatrics, 1-6. Bruno, D., et al. (2016). Output order and variability in free recall are linked to cognitive ability and hippocampal volume in elderly individuals. Neuropsychologia, 80, 126-132. Bruno, D., et al. (2015). The relationship between CSF tau markers, hippocampal volume and delayed primacy performance in cognitively intact elderly individuals. Alzheimer's & Dementia: Diagnosis, Assessment and Disease Monitoring, 1, 81-86. Bruno, D. (2015). The Preservation of Memory: Theory and Practice for Clinical and Non-Clinical Populations. Oxford, UK: Psychology Press.



VITO DOMENICO BRUNO

H-Index:	14
Sede lavoro:	University of Bristol (Regno Unito)
SSD:	06 - Scienze mediche

ERC:	LS1 Molecular & Structural Biology & Biochemistry LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Cardiologia, Cardiochirurgia, Translazionale

Translational Cardiovascular Research:As an academic fellow in translational health science, my primary interest lies in large animal models of myocardial infarction (MI) and myocardial ischemia-reperfusion injury. I am currently involved in several large animals preclinical studies in the field fo cardiovascular medicine: Development of large animal myocardial infarction model, Development of a large animal Vascular Graft model, Testing new technologies and devices in large animal models (Cardiac Valves, Vascular grafts, Stem cells, and regenerative medicine, Vascular stents) Clinical Cardiovascular Research: In the clinical research field, I have published several retrospectives and prospective studies in the field of Cardiothoracic Surgery and Cardiology, mostly focusing my research on coronary surgery and mitral valve surgery. Editorial Activities: Associate Statistical Editor - Journal of Thoracic and Cardiovascular Surgery



PIERFRANCESCO CACCIOLA

Sede lavoro:	University of Brighton (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science
Keywords:	Strutture, Controllo delle vibrazioni, Ingegneria Sismica

Dr Cacciola is Reader, School of Environment and Technology, University of Brighton, UK . I conducted PhD studies at the University of Messina, in partnership with the University of Catania, on the stochastic analysis of structures with passive control systems. After the PhD (2002), I was employed as Research Fellow at the University of Messina : i) the theoretical and experimental analysis of structures under random loadings (2002-2006), and ii) modelling cyclical behaviour of soils via Finite Element codes (2007-2009). Visiting researcher at Rice University in Houston (USA) working on the stochastic analysis of hysteretic systems (2003) and at the Laboratoire de Mechanique des Structures Industrielle Durables (LaMSID; Clamart, France, now called IMSIA) researching the simulation of ground motion acceleration time histories used for the seismic analysis of nuclear power plants (2009). I joined the University of Brighton in 2009 as Senior Lecturer.



CLAUDIA CAPANCIONI

Sede lavoro:	Bishop Grosseteste University (Regno Unito)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Victorian literature, women writers, travel writing, life writing, gender studies, comparative studies, Anglo-Italian relations, intergenerational literary legacy, intellectual connections

Dr CLAUDIA CAPANCIONI, SFHEA, Ph.D & MA (Hull, UK), Dott. (Urbino, Italy) - claudia.capancioni@bishopg.ac.uk; tel: 0044(0)1522583740 I am Senior Lecturer in English & Programme Leader for English at Bishop Grosseteste University, in Lincoln where I lead 5 undergraduate degree programmes and the MA in English Literature, which I instituted in 2015. My research interests are in nineteenth-, twentieth-, and twenty-first-century literature with a focus on women's writing, intergenerational literary legacy, and intellectual connections. I specialise in Victorian women writers, travel and life writing, gender and comparative studies. My most recent publications are 'Janet Ross's "Love of Italian Peasant Songs": Tuscan Folk Songs and the Victorians' In Interconnecting Music and the Literary Word", Cambridge Scholars Press, and 'Janet Ross's Intergenerational Life Writing: Female Intellectual Legacy through Memoirs, Correspondence, and Reminiscences' in Writing Lives Together, Routledge.

CIRO CHIAPPINI



H-Index:	32
Sede lavoro:	King's College London (Regno Unito)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences biotechnology PE5 Materials & Synthesis
Keywords:	Nanomedicine

I am Senior Lecturer in Nanomaterials and Biointerfaces at King's College London . My research combines nanotechnology, bioengineering and cell biology to develop functional materials that direct cell behaviour. My research has been awarded over £2.5M in grants including the prestigious ERC Starting Grant. In 2021 I was recognised as emergin g biomaterial scientist by the Royal Society of Chemistry. I was Marie Curie Fellow and Newton International Fellow at Imperial College London from 2011 until 2016, and I hold a doctorate from the University of Texas at Austin. In 2018 I was awarded an ERC Starting Grant. I authored more than 30 publications with over 3000 citations and I hold international patents.

AMEDEO CHIRIBIRI



H-Index:	33
Sede lavoro:	King's College London (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Cardiologia, Imaging cardiovascolare, risonanza magnetica, fisiologia umana

Amedeo Chiribiri is Associate Professor (reader) in Cardiovascular Imaging and Hon. Cardiologist at King's College London and Guy's and St Thomas' Hospital in London. He trained in Medicine (1995-2001) and Cardiology (2002-2006) at the University of Turin, Italy, and has a PhD in Human Physiology and Experimental Medicine awarded by the same University in 2011. He trained in cardiovascular MRI at the German Heart Institute Berlin in 2006-2007. Since August 2013, Dr Chiribiri lead the Cardiovascular MRI service at Guy's & St Thomas' Hospital and since 2018 he is the Clinical Director of the NIHR Cardiovascular MedTech Co-operative at Guy's & St Thomas' Hospital. Dr Chiribiri's research focuses on quantification of myocardial blood flow (perfusion) and on the development of novel methods for ischaemia detection and differential diagnosis based on advanced coronary physiology modelling, with a strong emphasis on rapid translation of new methodology into the clinic practice.

BARBARA CIANI



H-Index:	15
Sede lavoro:	University of Sheffield (Regno Unito)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS3 Cellular and Developmental Biology LS9 Applied life sciences & biotechnology
Keywords:	membrane remodelling, self-assembly, coiled coils, membrane repair

BC is a lecturer in Biophysical Chemistry since October 2008, following a Laurea in Chemistry at the University of Rome "La Sapienza" and a DPhil in Biochemistry with Prof Dek Woolfson at the University of Sussex on the de novo design of peptides that switch conformational state. She then secured PDRA positions at the Universities of Nottingham with Prof Mark Searle and at the Wellcome Trust Centre for Cell Matrix research at the University of Manchester with Dr Richard Kammerer, working on the folding of natural coiled coil sequences. She has >13 years' experience in the rational design of protein structures and world class expertise in the characterisation of macromolecular assemblies. BC also applies her skills in protein design and folding research to problems that lie at the interface with the biomedical sciences addressing questions linked to structure-function relationships in disease-associated proteins and uncharacterised genes products.



MARIA ROSARIA CONTE

H-Index:	22
Sede lavoro:	King's College London (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

Current post: Professor of Structural Biology, Randall Division of Cell and Molecular Biophysics, King's College London Director, Centre for Biomolecular Spectroscopy, King's College London Basic and Medical Bioscience School Lead International Previous Appointments Held: 2009 – 2014: Reader in Structural Biology - Randall Division of Cell and Molecular Biophysics, King's College London 2005 – 2009: Senior Lecturer in Biological NMR - Randall Division of Cell and Molecular Biophysics, King's College London 1999 – 2005: Senior Lecturer in Biological NMR - School of Biological Sciences, University of Portsmouth, UK 1996 – 1999: Post-doctoral Research Scientist, Department of Biochemistry, Imperial College, London, UK 1994 – 1996: Wellcome Trust Post-doctoral Travelling Fellowship, National Institute for Medical Research, London, UK



CLAUDIA CONTINI

H-Index:	7
Sede lavoro:	Imperial College London (Regno Unito)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis
Keywords:	synthetic biology, nanotechnology, nano and microsystems, drug delivery

I currently work as a research associate in the Department of Chemical Engineering. My research interest lie in the field of bottom-up synthetic biology with a focus on the design of synthetic life-like systems that mimic biological properties and functions for biotechnological and biomedical applications. Before this appointment, I was an ISSF Springboard Fellow in the Department of Chemistry at Imperial College London with a project focused on the realisation of bio-inspired and life-like soft matter systems with applications to bottom-up synthetic biology and drug delivery.



ANNA CONZATTI

Sede lavoro:	University of Bath (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE5 Materials & Synthesis
Keywords:	Emergency architecture - Shelter - Building modelling - Thermal Comfort - Air Quality - Health

PhD Student -University of Bath



GIULIO COSSU

Sede lavoro:	University of Manchester (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS7 Diagnostic tools, therapies & public health

Giulio Cossu is Professor of Regenerative Medicine at the University of Manchester. He received his MD degree from the University of Rome, and then worked at the University of Pennsylvania, at Pasteur Institute in Paris, at the University of Rome and, since 2000 at San Raffaele in Milan as Director of the Division of Regenerative Medicine. In 2012 he moved to UCL and in 2013 to Manchester. He is member of EMBO, European Academy of Science, Academy of Medical Sciences and Accademia dei Lincei. Cossu is recognized for his work on muscle development and on cell therapy for muscular dystrophies.



SILVIA CRESCIOLI

H-Index:	12
Sede lavoro:	King's College London (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	antibody, anticorpi, antibody engineering, anticorpi monoclonali, monoclonal antibodies, glycoengineering, cancer immunotheryapy, IgG1, IgG4, IgE, antibody discovery

I am a senior post-doctoral researcher at King's College London in the Cancer Antibody Discovery & Immunotherapy Group and my research interests focus on different areas of cancer immunology and immunotherapy, such as: the study of the B cell response in cancer (with particular focus on cutaneous melanoma and breast cancer), as well as the design of methods to develop patient-derived antibodies; antibody engineering (scFv-Fc, scFv, bispecific scDb), Fc engineering, glycoengineering, and the study of different engineered antibodies and antibody isotypes (in particular IgG1, IgG4 and IgE) in Antibody Dependent Cell Cytotoxicity (ADCC), and Antibody Dependent Cell Phagocytosis (ADCP); design and development of platforms for recombinant antibody expression and antibody glyco-engineering; and the design and development of novel ADC for cancer immunotherapy.



FRANCESCO D'AIUTO

H-Index:	40
Sede lavoro:	University College London (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS4 Physiology, Pathophysiology & Endocrinology LS6 Immunity & infection
Keywords:	Odontroiatria

Francesco D'Aiuto qualified with DMD honour's degree from the University of Naples in 1997. He joined UCL in 200) completing his PhD (2005) and clinical specialty program (MClinDent 2008) and received a number of awards including the AAP clinical Research Award (2005), Antony Rizzo Young Investigator Award in (2009), Innovators in Diabetes Award from the UK Charity Diabetes UK (2012) and a Clinical Senior Lectureship from the Department of Health in UK (2010). His current position is of Professor of Periodontology and Head of the Periodontology Unit at UCL since 2017. His research focus is on the association between periodontal diseases and systemic diseases including cardiovascular diseases and diabetes and innovation in future treatment strategies for periodontitis.



ALBERTO D'ANGELO

Sede lavoro:	Cancer Immunology reasearch (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

PhD Student at the University of Bath



BRUNA DE FALCO

H-Index:	8
Sede lavoro:	University of Nottingham (Regno Unito)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology PE4 Physical & Analytical Chemical sciences
Keywords:	Food chemistry, Metabolomics, Phytochemistry, Natural Products, Liquid and Gas chromatography, NMR spectroscopy

2019-to date: Postdoc in Metabolomics and Fluxomics at Nottingham University (UK) 2017 – 2019: Postdoc in Organic Chemistry at St. Andrews University and Abertay University (UK) 2018: Collaborative research with G's Fresh Ltd. Company and with Dawnfresh Seafoods Ltd. Company 2014–2017: Ph.D. in Food Science at University of Naples Federico II (IT) 2008–2013: B.Sc.&M.Sc. in Pharmaceutical Chemistry University of Naples Federico II, Department of Pharmacy 2013: Scholarship "Student Mobility for Placement" at the CNRS Paris, France 2010–2011: Erasmus Socrates, Université de Nantes - Faculté de Medicine et Pharmacie Laboratory supervisor of undergraduate and postgraduate students and Co-supervisor of one Ph.D. student. Organising committee at the 3rd International PSE Symposium on

"Natural Products in Cancer Prevention and Therapy - Trends in Methods and Modelling" Reviewer for British Council Foundation Teaching experience in "Organic Chemistry"



GIULIO DE FELICE

Sede lavoro: NCU University (Regno Unito)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH4 The Human Mind and its complexity

ACADEMIC BACKGROUND -B.Sc. 110/110 cum laude in Psychoanalytic Psychology (Sapienza University of Rome) -M.Sc. (thesis: London, Tavistock Clinic) 110/110 cum laude in Psychoanalytic Psychology (Sapienza University of Rome) -D.Psych. Individual and Group Psychoanalysis (Italian Institute of Group Psychoanalysis). -Ph.D. "A Statistical Mechanics Approach to Psychotherapy Research", Sapienza University of Rome RESEARCH INTERESTS -Child, Adult and Group Psychoanalysis and Psychotherapy -Psychotherapy Change Process Research -Complex Systems -Nonlinear Dynamics, Self Organisation, Dynamic Systems Theory -Statistical Mechanics Approach to Psychotherapy.



STEFANO DE PAOLI

Sede lavoro: Abertay University (Regno Unito)
SSD: 14 - Scienze politiche e sociali
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: Fiducia, Reputazione, Piattaforme Digitali, Cybersecurity

Stefano De Paoli è Professore in Società Digitale (Digital Society), dal 2019. Stefano ha lavorato in progetti di ricerca nazionali e internazionali e ha esperienza di lavoro in Progetti Europei (a partire dal 2007 nel Programma Quadro 6). È stato leader di "Work Packages" in diversi progetti, più di recente nel Progetto Horizon 2020 TRIPLE (INFRA-EOSC), dove guida il WP User Research, coordinando il lavoro di 9 partner. I suoi interessi di ricerca abbracciano diverse aree della società digitale, in particolare il design di piattaforme, la ricerca utente e la creazione di conoscenza e fiducia online. Stefano è stato il leader dell'area di ricerca sulla Sicurezza presso l'Università di Abertay in Scozia dal 2016 al 2020. Ha ricoperto incarichi accademici/di ricerca in Italia, Irlanda e Regno Unito. La sua ricerca è di natura fortemente interdisciplinare e corrisponde con difficoltà ai Settori Scientifici Disciplinari (SSD) italiani.



MARIA CRISTINA DEVECCHI

Sede lavoro: University of Northampton (Regno Unito)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH2 Institutions, values, beliefs and behaviour
SH3 Environment & society SH5 Cultures & cultural production
Keywords: Pedagogia, pedagogia inclusiva, insegnamento universitario, leadership and management

PRESENT POSITION Associate Professor (Senior Lecturer) – Special and Inclusive Education, University of Northampton Co-Director, Centre for Education and Research (2017 – to present) • Chair – Business and Education Research Degree Board (2014- to present) • Co-Chair/Chair of the Readers, Associate Professors and Professors Group (2017 – 2020) • Member of the Research and Enterprise Committee (2013- to present) • Member of the Research Degree Committee

(2013- to present) • Member of the Academic Senate (2012 – 2016; 2019 - present) For information about my research and research profile, please see https://pure.northampton.ac.uk/en/persons/cristina-devecchi



MARCELLO DI BONITO

H-Index:	10
Sede lavoro:	Nottingham Trent University (Regno Unito)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Biogeochimica ambientale, GIS, Conservazione del suolo, Sostenibilitá, Interdisciplinaritá

Trained as a physical scientist (Environmental Geochemistry, Soil and Water Quality, and GIS and Spatial Analysis), I have increasingly developed an interest for multi- and interdisciplinary research cutting across physical and social science (e.g., Sustainability, Ecosystems goods and services), where applications of methodologies and integration with participatory approaches (e.g., the Analytic Hierarchy Process methodology) and modelling (e.g., Bayesian Belief Networks) can increase understanding of complex processes and enhance decision making. Member of the Natural Environment and the Ecology and Conservation research groups at ARES. His research interests include: • Environmental biogeochemistry and health • Mapping and GIS applications • Bioavailability and bioaccessibility • Ecogeochemistry, fingerprinting • Compositional Data Analysis • Soil protection and water quality • Soil-water-food micronutrient transport Member of the BSSS, SEGH and EGU



MASSIMILIANO DI LUCA

H-Index:	19
Sede lavoro:	University of Birmingham (Regno Unito)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	Perception, Multisensory, Virtual Reality, Haptics, Computational Modeling

Dr Di Luca performs both fundamental and applied research to understand how human perception. He uses psychophysical experiments and neuroimaging methods to build computational models about the underlying cognitive and neural processes. Dr Di Luca works also in collaboration with industry, where he develops such models to be applied in simulations (i.e. to be implemented in robots), assessment (i.e. to understand the characteristics of household products), rendering (i.e. in VR and haptic devices), and in predictions about the user states (i.e. to develop perceptual metrics).



FILIPPO DIONIGI

Sede lavoro:	University of Bristol (Regno Unito)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Teorie delle relazioni internazionali, Medio Oriente, Libano, Rifugiati

EMPLOYMENT: -Lecturer of Politics and International Relations, University of Bristol, Since 2017. -Research Fellow, Middle East Centre, The London School of Economics and Political Science, 2014-2017. -LSE Fellow, The London School

of Economics and Political Science, 2012-2014. -Teaching Fellow, Centre for International Studies and Diplomacy, School of Oriental and African Studies 2013-14. EDUCATION -PhD 2012, International Relations, The London School of Economics and Political Science. -MSc 2007, Human Rights, The London School of Economics and Political Science. -Laurea Specialistica 2006, International Relations, University of Pavia (Italy). -Laurea Triennale 2003, International Relations, University of Pavia (Italy). -Postgraduate Certificate in Higher Education (Associate) 2013, The London School of Economics and Political Science.

ELENA DREOSTI



H-Index:	11
Sede lavoro:	UCL (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders LS9 Applied life sciences & biotechnology
Keywords:	neuroscience

I am a Group Leader at the University College London, and the Executive Manager of the Cajal Advanced Neuroscience Programme. My CV is attached.



MARIANO ERRICHIELLO

Sede lavoro:	PhD Religions (Regno Unito)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production
Keywords:	Zoroastrianism, esotericism, Ilm-e-Khshnoom

A few years ago, I decided to pursue a new career in academia. In 2017, I took a gap year to study Gujarati and, in 2018, I started a full-time PhD to research on an unexplored Zoroastrian esotericism. The skills acquired over a 10-year business career such as results orientation, management of networks and relationships as well as management of multi-territory projects are serving as a key differentiator for my development as a scholar. The business experience taught me not to think in silos, accordingly, I believe in the value of interdisciplinary research as the way forward for the advancement of scholarship.



CATERINA FANELLO

Sede lavoro:	University of Oxford (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Malaria; Maternal, Newborn and Child Health; Low and Middle Income Countries

I am an established epidemiologist and malaria expert, with a strong technical knowledge of disease control and elimination strategies. My work aims at reducing global health inequalities, with a focus on disease prevention, control and elimination. I have long-term experience in designing and implementing epidemiological/clinical studies and public

health interventions in LMICs as well as a strong expertise in managing and evaluating projects/programs at country level, including Challenging Operating Environments.

ELISEO FERRANTE



H-Index:	17
Sede lavoro:	University of Birmingham (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	Swarm robotics, evolutionary biology, non-equilibrium statistical physics, self-organization, complex systems

PhD in Applied Sciences from Université Libre de Bruxelles, Belgium. Dual M.Sc: Politecnico di Milano, Italy and University of Illinois at Chicago, USA. Over 1500 overall citations. H-index: 16 - http://scholar.google.com/citations?user=cVjuZJoAAAAJ. More than 30 published scientific articles, including a survey with more than 500 citations and articles in Physical Review Letters (IF 2016: 8.46), IEEE Transactions in Cybernetics (IF 2016: 7.38), and Plos Computational Biology (IF 2016: 4.59). The latter was covered by Science Magazine, IEEE Spectrum, French and Italian press, among others (http://www.altmetric.com/details/4369999). Reviewed large grant proposals for several calls of the European Commission Horizon 2020 program and for the national funding agency of the following countries: France, Canada, Czech Republic, Poland. Organized 2 conventions and 1 conferences, member of 7 program committees, external referee of three PhD theses.

MARTA FERRARESSO



Sede lavoro:	PostDoc (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS2 Genetics, Genomics, Bioinformatics & Systems Biology

My name is Marta Ferraresso, I finished my PhD in Cancer Research in December and since February I started working on a collaborative project between Cambridge University, UK and Uganda Cancer Institute (UCI) in Kampala, Uganda. During my PhD I was particularly interested in malignant Germ Cell Tumour and in finding more suitable targeting therapy. During my PostDOc I started to study Burkitt's Lymphoma (BL) and the difference between sporadic BL, mainly found in Western countries, and endemic BL, mainly found in African countries. In the mean time we are also establishing a long-lasting collaboration between Cambridge University Cancer Research Centre and the UCI.

PATRIZIA FERRETTI



Sede lavoro:	Professor of Regenerative Biology (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders LS9 Applied life sciences & biotechnology
Keywords:	tissue repair, regeneration, birth defects

I studied at Pisa University and at the Mario Negri Institute for Pharmacological Research, Milan, Italy, prior to moving to the Max Planck Institute, Goettingen, Germany, and then to London, UK, initially as a postdoc and then as a group

leader. I am now Professor of Regenerative Biology at UCL GOS Institute of Child Health, London. Work on stem cells in my laboratory continues to implement the successful strategy of addressing basic biological questions and harnessing the information acquired to develop new approaches to repair diseased or damaged human tissues in collaboration with material scientists, bioengineers and clinicians. Two major areas of interest concern the use of stem cells for craniofacial cartilage reconstruction in children with birth defects and on modelling neural diseases using induced pluripotent stem cells derived from patients. Involvement in postgraduate teaching include Director of the Cell and Gene Therapy MSc and Module Lead. I am also STEM ambassador.



FEDERICO FILAURI

Sede lavoro:	School od Advanced Study (Regno Unito)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production
Keywords:	Filosofia ebraica, filosofia della religione, filosofia politica, messianismo

Education 2018-22: PhD in Philosophy, School of Advanced Study, University of London 2013-17: MA in Philosophical Sciences, University of Padova 2009-13: BA in Philosophy, University of Padova Publications Book Chapters: 'Attimo e prassi: il problema escatologico'. In Collamati, Farnesi Camellone & Zanelli (edts.), Filosofia e politica in Ernst Bloch, Macerata: Quodlibet, 2019. Articles: 'The Mystery of Return: Agamben and Bloch on St. Paul's Parousia and Messianic Temporality', Praktyka Teoretyczna 35, Issue 1 (2020): 121-147. Conferences March 2020:'Ernst Bloch's Messianic Theocracy: An Interpretation'. Katholische Akademie, Berlin. June 2018: 'The Mystery of Return: St. Paul's Parousia and the Blochian Messianic Temporality'. Historical Materialism Conference, University of Warsaw. May 2017: 'Il problema escatologico in Ernst Bloch', seminar talk, University of Padova. Languages Italian: Native Speaker English: Reading: Proficient German: Intermediate



ALBERTO FIORE

H-Index:	18
Sede lavoro:	University of Abertay Dundee (Regno Unito)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Food Technology, Maillard Reaction, Polyphenols

I am Professor of Food Chemistry and Technology at the Division of Engineering and Food Science of Abertay University in Dundee, UK. In the last four year of working at Abertay University, I was able to attract external funding for a value above of £1.880M mainly in projects where I am the PI. Research interest My research mainly focuses on four areas: - Development of foods to address malnutrition problems in LIMICs country (ie Severe Acute Malnutrition, Anemia) - The Maillard Reaction and its mitigation strategy by the use of the chemometric approach over the use of food model system and modulation of food processing condition; - Re-use of food by-products after detection and recovery of compounds associated with benefit in health that is present in food industry by-products, evaluating alternative re-use of the materials; - Develop strategies to mitigate the formation of Reactive carbonyl species in electronic cigarettes such as formaldehyde and acetaldehyde.



ROBERTA FORLANO

H-Index:	11
Sede lavoro:	Imperial College London (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Epatologia

Dr R. Forlano works as research fellow in the Department of Hepatology, Imperial College London, led by Prof. Mark Thursz and Dr Pinelopi Manousou, lead hepatologist of the NAFLD Service. She graduated from the University of the Study of Foggia (Italy) with a Master degree in Medicine and completed a Specialty Training in Internal Medicine, focusing on Hepatology, under supervision of Prof. Gaetano Serviddio. During her specialty training in Italy, she was in charge of projects involving animal models of NASH and the analysis of oxidative stress in hepatocytes. Roberta is a scientist with a research interest in Non-Alcoholic Fatty Liver Disease (NAFLD), focusing on diagnosis (quantitation of fat, ballooning and collagen in liver biopsies using machine learning), lifestyle management (development of a unique smart mobile application to coach and monitor patients), cardiovascular risk and non-invasive markers in NAFLD. She is first author in more than 20 scientific papers and abstracts.



MARIA GRAZIA FRANCESCONI

Sede lavoro:	Universita' di Hull (Regno Unito)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	Stato solido - Chimica dei Materiali

MGF's research focuses on widening the overlap between nanoparticle-specific aspects with the area of traditional inorganic solids towards an expanded toolbox of synthetic and doping strategies hence to an expanded range of chemical composition and perhaps unexpected properties for inorganic nanoparticles (INPs). The expertise in INPs is based onher background in solid state chemistry. MGF has high calibre publications (rated 3* + by independent assessors for the REF exercise) focused on novel INPs as potential MRI contrast agents and as catalysts for the synthesis of nutrients. MGF's research publications derive from international collaborations and she has been invited to give a number of UK and international research seminars. She has been nominated Research Director for the Chemistry Department at the University of Hull in 2019 and is a permanent member of the EPSRC funding panel.



MATTEO FUMAGALLI

Sede lavoro:	Queen Mary University of London (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	bioinformatics

I graduated in biomedical engineering from Politecnico di Milano - Italy (PhD, 2011). I then moved to UC Berkeley for a postdoc position with Professor Rasmus Nielsen funded by EMBO. In 2014 I returnd to Europe as a research fellow with Professor Francois Balloux at UCL funded by HFSP and jointly supervised by Professor Frances Brodsky with funding from NIH. I moved to Imperial College in 2016 and then became Lecturer in 2017. In 2021 I moved to Queen Mary University of London as Senior Lecturer in Genetics. In my research I use statistics and computer science to solve complex questions in human genetics and evolutionary biology. I am a strong advocate of open-source and open-access science. I often deliver outreach activities on human evolution at local communities and supervise secondary school pupils.



ANGELO GALLO

H-Index:	10
Sede lavoro:	University of Warwick (Regno Unito)
SSD:	03 - Scienze chimiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry PE4 Physical & Analytical Chemical sciences
Keywords:	Biologia Strutturale, NMR, chimica

I am working on solution NMR spectroscopy and I have solved the structure of a several human mitochondrial proteins. I set up and performed all the typical experiments for backbone and side-chains assignment. I collect distance constraints that I used for the structure calculation and energy minimization using UNIO and AMBER 11.0 programs. I have validated the solution structure through WHATIF and PROCHECK programs. All this software is currently used on the GRID interface as webservices Skills and expertise Nuclear Magnetic Resonance Protein-Protein Interaction Molecular Dynamics Molecular Modeling Simulation and Modeling NMR Structure Elucidation NMR Spectroscopy Structural Biology Protein Folding Protein Dynamics Structural Bioinformatics and Structural Biology Magnetic Resonance Spectroscopy



PAMELA GAMBA

Sede lavoro:	Newcastle University (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS3 Cellular and Developmental Biology
Keywords:	Microbiologia

I am a postdoctoral research associate at the Centre for Bacterial Cell Biology at Newcastle University (UK). I obtained my Laurea (Bachelor's degree equivalent) and Laurea Specialistica (Master's degree equivalent) in Biology in Italy, at the University of Pavia, both with highest distinction (110/110 cum laude). I then moved to the UK to carry out a Ph.D. in Microbiology, which was funded by a Marie Curie Early Stage Training fellowship from the European Commission. I have then worked as a postdoc in bacterial genetics and molecular microbiology projects, all carried out in excellent European laboratories. I have worked on several key research topics in Microbiology, including cell division, regulation of gene expression and transcription. To date, my research has resulted in five first-author publications, two of which as co-corresponding author.



CHIARA GATTINONI

Sede lavoro:	London South Bank University (Regno Unito)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Tribology, catalysis, surface science, materials modelling

Chiara is a materials scientist working on atomistic simulations on systems relevant to tribology and catalysis. She has worked on corrosion inhibition, development of novel lubricant additives, surface engineering of ferroelectric materials and catalysis using functional materials. She is currently a lecturer at London South Bank University in the Department of Chemical and Energy Engineering.

GUIDO GERMANO



H-Index:	18
Sede lavoro:	University College London (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	Calcolo scientifico, processi stocastici, finanza computazionale, matematica applicata alle scienze economiche e sociali, fisica statistica, sistemi complessi

Guido Germano is Associate Professor in the Department of Computer Science, University College London, Programme Director of the UCL MSc Computational Finance, and Research Associate of the Systemic Risk Centre, London School of Economics. He has studied at the University of Pisa obtaining a laurea in 1994 and a PhD on quantum/classical molecular simulation in 1998, with research stays at MPIP Mainz (1993-1994), the University of Bonn (1994-1995) and the University of California, San Francisco (1996). After postdocs in theoretical soft condensed matter physics at the University of Bristol (1998-2000) and the University of Bielefeld (2000-2002), he has led a research group on computer simulation in theoretical physical chemistry at the University of Marburg until he joined UCL in 2013. He has also been a research fellow at Università del Piemonte Orientale, Novara (Dept. of Economic Sciences and Quantitative Methods, 2009-2012) and Scuola Normale Superiore, Pisa (1998 and 2012-2013).

GABRIELLA GIANNACHI



Sede lavoro:	Professor of Performance and New Media (Regno Unito)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production
Keywords:	Documentazione Performance Mixed Reality Nuove Medialita' Patrimonio culturale sportivo

Gabriella Giannachi is Professor in Performance and New Media, and Director of the Centre for Intermedia at the University of Exeter. Her most recent book publications include: Virtual Theatres: an Introduction (Routledge: 2004); Performing Nature: Explorations in Ecology and the Arts, ed. with Nigel Stewart (Peter Lang: 2005); The Politics of New Media Theatre (Routledge: 2007); Performing Presence: Between the Live and the Simulated, co-authored with Nick Kaye (MUP 2011); Performing Mixed Reality, co-authored with Steve Benford (MIT Press 2011); Archaeologies of Presence, co-edited with Nick Kaye and Michael Shanks (Routledge, 2012); Archive Everything (MIT 2016) and The History of Performance Documentation, co-edited with Jonah Westerman (Routledge, 2017). She has collaborated with Tate, The Science Museum Group, The Natural History Museum, LIMA, and RAMM. An expert in performance and new media documentation, she has been funded by EU, AHRC, RCUK, Innovate UK, Heritage Lottery Fund.

MARIA VITTORIA GUARINO



Sede lavoro:	British Antarctic Survey (Regno Unito)
SSD:	02 - Scienze fisiche
ERC:	PE10 Earth system science
Keywords:	atmosfera, clima, modellazione numerica

I am an atmospheric scientist and numerical modeller with a PhD in Atmosphere, Oceans and Climate from the University of Reading (UK). In my PhD, I combined the theoretical study of the atmospheric gravity wave dynamics with the modelling of atmospheric flows over orography. I studied the mechanism by which mountain wave breaking triggers Clear-Air Turbulence (CAT) in directional shear flows. Currently, I hold a position as Earth System Modeller at the British Antarctic Survey, where I work on modelling past and future climate and sea ice in the Southern Hemisphere. This work is part of the UK's contribution to the next Coupled Model Intercomparison project (CMIP6). My expertise lies in setting up and running numerical models, interpreting model outputs and performing models validation against theory and/or observations.



RAFFAELLA GUIDA

Sede lavoro:	Surrey Space Centre (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Remote Sensing, Synthetic Aperture Radar, Earth Observation

Raffaella received the Laurea degree (cum laude) in Telecommunications Engineering and the Ph.D. degree in Electronic and Telecommunications Engineering from the University of Naples Federico II, in 2003 and 2007, respectively. Today she is a Reader in Satellite Remote Sensing at the Surrey Space Centre (SSC), University of Surrey (Guildford, UK) where she is also Head of Remote Sensing Applications and Director of the Postgraduate Research Programme. Since 2008 she has coordinated national and international research projects on Earth Observation, and has been awarded funding for a value of £2M. She was involved in exchange and know-how transfer programs with Mexico, Colombia, Algeria, Nigeria, Spain, China, Philippines and Qatar, and has delivered bespoken courses on SAR and Remote Sensing to universities and companies in Mexico, Colombia, China, Philippines and others. Raffaella has received the IEEE J-STARS Best Paper Award 2013.



ANITA LAVORGNA

Sede lavoro:	University of Southampton (Regno Unito)
SSD:	12 - Scienze giuridiche 14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH3 Environment & society SH5 Cultures & cultural production
Keywords:	Criminologia, crtminalità organizzata, criminalità informatica, criminalità ambientale, danni sociali, ricerca online, ricerca interdisciplinare, metodologia qualitativa

Anita Lavorgna è attualmente Professoressa Associata di Criminologia all'Università di Southampton. Dopo una laurea in Giurisprudenza con lode presso l'Università degli Studi di Trento e un PhD in International Studies conseguito presso il medesimo Ateneo, la Prof.ssa Lavorgna ha proseguito la sua carriera accademica principalmente nel Regno Unito, dove insegna e svolge attività di ricerca sulla criminalità informatica, organizzata e sui danni sociali digitali, spesso in un'ottica comparata guardando all'Italia. Nella sua ricerca, di carattere internazionale e interdisciplinare, la Prof. Lavorgna unisce criminologia, studi socio-legali e web science. La Professoressa Lavorgna è appena stata insignita dalla European Society of Criminology con l'Early Career Research Award 2021 per i metiti di ricerca e insegnamento conseguiti in questi in questi anni.



FRANCESCO LEOFANTE

Sede lavoro: Imperial College London (Regno Unito)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE6 Computer science & informatics
Keywords: Computer Science, Artificial Intelligence

Current position: - Research associated, Dept. of Computing, Imperial College London. Date started: November 2019. Education: - PhD Computer Science, co-tutelle RWTH Aachen University and University of Genoa, 2015 - 2019 - MSc Advanced Robotics, Ecole Centrale de Nantes, 2014 - 2015. - MSc Robotics Engineering, University of Genoa, 2013 - 2014. - BSc Electronics Engineering, University of Genoa, 2010 - 2013.



NICOLETTA LEONARDI

Sede lavoro: University of Liverpool (Regno Unito)
SSD: 04 - Scienze della terra 08 - Ingegneria civile e Architettura
ERC: PE10 Earth system science
Keywords: climate change; coastal areas; coastal resilience; nature based solutions; sea level rise;

Senior Lecturer (Associate Professor) in Coastal Resilience at the University of Liverpool, UK. Nicoletta is a coastal scientist, civil engineer and numerical modeller. She studies the response of coastal systems to climate change, flooding, morphological changes and sediment transport at a local to regional scale, and the use of nature-based solutions and coastal wetlands as storm defenses. In 2016, she has been prized by the Italian National Academy of Science and at the presence of the Head of State for her work on coastal environments.



GIUSEPPE LONGOBARDI

Sede lavoro: University of York (Regno Unito)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH4 The Human Mind and its complexity
Keywords: Linguistics, language phylogenetics

Giuseppe Longobardi graduated from Pisa (University and Scuola Normale Superiore). He was Professor at Venezia-Ca' Foscari and Trieste, before accepting an Anniversary Chair in Language and Linguistic Science at the University of York, where he is the Coordinator of the International Research Centre for Linguistic History and Diversity in collaboration with the Universities of Campinas and Pennsylvania. He is member of the PhD program of Univ. di Roma-Sapienza. He was NATO-CNR Visiting Scholar at MIT, Fulbright Fellow at UCLA, Directeur de Recherche Etranger at CNRS (Paris), and Visiting Professor at Vienna, Southern California, Harvard, and UCLA. He was the PI of the ERC Advanced Grant 'Meeting Darwin's Last Challenge' (2012-2018), aiming at the first mapping of genes and languages at a cross-continental scale. He has especially contributed to the study of syntactic dependencies, nominal reference, grammatical diversity, language/gene correspondence.

PAOLO MADEDDU



H-Index:	49
Sede lavoro:	Bristol (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	medicina rigenerativa

Laureato 1976 Specializzato in Cardiologia 1980 Assistente Universitario 1978 Ricercatore Confermato 1980 Consultant in Internal Medicine 1980 Head of Research 1996 Chair - Full Professor 2005

PASQUALE MAFFIA



Sede lavoro:	University of Glasgow (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health
Keywords:	Atherosclerosis, Hypertension, Immunology, Inflammation

I am currently Reader at the Institute of Infection, Immunity & Inflammation, University of Glasgow, UK. I am an elected fellow of the Royal Society of Biology, the British Pharmacological Society and the European Society of Cardiology. I currently serve on the Executive Committee of the IUPHAR Immunopharmacology Section, as Vice-Chair of the IUIS Immunotherapy Committee, and on the Fellowship Committee of the British Heart Foundation. I am an Executive Deputy Editor of Cardiovascular Research, Associate Editor of Pharmacological Research. I have a major interest in the immune response in cardiovascular disease. Current research activities address the study, imaging and targeting of cellular and molecular mechanisms involved in the pathophysiology of atherosclerosis and hypertension. I have authored 100 scientific papers in peer-reviewed journals including Nature Genetics, Nature Reviews Immunology, Immunity, European Heart Journal, Circulation, Circulation Research, Blood and PNAS.

TERESA MARAFIOTI



H-Index:	55
Sede lavoro:	UCLH (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Immunodiagnostica, Anatomia Patologica, Ematopatologia, Immunologoia

Prof Teresa Marafioti, is full time Professor of Haematopathology and Consultant Histopathologist to UCLH providing a diagnostic service for leukaemia and lymphoma. She studied Medicine and Surgery and trained as Pathologist at University of Messina (Italy). She sub-specialised in Haematopathology at the Institut fur Pathologie (FU, Berlin). She worked with Prof David Y Mason (Oxford University) being responsible for a research programme on identification of novel diagnostic and prognostic cancer biomarkers. At UCL she expanded this to development of technologies for analyses of tumours microenvironment. Prof Marafioti has been specialty Lead for Haematopathology, provides private diagnostic work at HCA, contributed to establish the HCA private haematology MDM, and member of the HCA

Immunology/Cancer Genetics Governance Board. Teresa, has >5 years' experience as accredited pathologist on PD-L1 reporting. She records more than 200 peer-reviewed papers, some cited more than 500 times.



MARCO MARENGO

H-Index:	34
Sede lavoro:	Universita' di Brighton (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Fisica Tecnica Industriale

Marco Marengo is Professor of Thermal Engineering, Director of the Advanced Engineering Centre and Chair of the Engineering Industrial Advisory Board at the University of Brighton, UK. From 2019 he is Associate Editor of the Int. J. Multiphase Flows and Editor-in-Chief of the Section 'Thermal Management" of the MDPI Energies. Until 2018 he has served as Editor-in-Chief of "Atomization & Sprays" Journal. He is the UK representative on the board of the International Heat Pipe Conference. Prof. Marengo is Adjunct Professor at York University, Toronto, Canada, and Senior Research Fellow at the National Science Foundation of Portugal, Lisbon, Portugal. He has founded 3 spin-off companies. He leads the ESA Pulsating Heat Pipe scientific team, he is active in many ESA parabolic campaigns. He published more than 350 papers. Prof. Marengo is internationally recognised in fundamental and applied research of two-phase systems, phase change heat transfer, for space and ground applications.



MARIA ROSARIA MARSICO

Sede lavoro:	University of Exeter (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science
Keywords:	isolamento sismico, graphene

Maria Rosaria Marsico is a senior lecturer in structural engineering at the University of Exeter (UK) and she has ten years international experience in the development and application of special devices in civil structures to mitigate earthquake-induced vibrations. She conducted worldwide-acknowledged research at the University of California, Berkeley (UCB) and has established collaboration with the US Pacific Earthquake Engineering Research Center. MRM's previous successful project on the instability of elastomeric isolators was developed as part of the Italian Network of Seismic Engineering Laboratories project. In 2013 she was awarded a prestigious Outward Mobility Academic Fellowship, in partnership with UCB, to design low-cost special devices to be used in buildings in earthquake prone regions. As a consultant to the EU-funded project she conducted ground-breaking research on the effect of the damping in seismic isolated nuclear power plants.



SERENELLA MASSIDDA

Sede lavoro:	Roehampton University London (Regno Unito)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH3 Environment & society
Keywords:	Audiovisual Translation Subtitling Applied Linguistics

Dr Serenella Massidda is Senior Lecturer in Audiovisual Translation at Roehampton University and Honorary Research Associate at CenTraS, University College London. She holds a European Doctorate in Audiovisual Translation and an MSc in Scientific and Medical Translation with Translation Technology (Imperial College London). She is the author of

Audiovisual Translation in the Digital Age – The Italian Fansubbing Phenomenon published by Palgrave MacMillan in 2015. A professional translator and subtitler, she is OOONA Academic Partner and Instructor, running professional courses on Cloudsubtitling since 2015 in the UK, Belgium, Italy, Estonia, Poland (University College London, Antwerp University, Roehampton University, Tallinn University, University of Sassari, Warsaw university). Areas of research/specialisation: AVT and Subtitling Technology Web-based Localisation Workflows and UX Professional skills and AVT Quality (product/process-oriented) Fansubbing Practices



CLAUDIA MAURI

H-Index:	45
Sede lavoro:	University College London (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS6 Immunity & infection
Keywords:	immunologia. t

n/a



ROCCO MELI

Sede lavoro:	Dottorando (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 03 - Scienze chimiche 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

B.Sc. and M.Sc. in Physics from Ecole Polytehcnique Fédérale de Lausanne (Switzerland), with a minor in Computational Sciences and Engineering. M.Sc. in Theoretical and Computational Chemistry from the University of Oxford (UK). Currently, PhD student in Computational Drug Discovery at the University of Oxford.



ALESSANDRO MELIS

Sede lavoro:	University of Portsmouth (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society
Keywords:	architettura, progettazione, restauro, sostenibilita, resilienza

I joined the University of Portsmouth in 2016. My research interests are in the fields of climate sensitive design, sustainable strategies for urban mutations, environmental policies, radical theories and criticism, resilience, and sustainable conservation. Previously, at the University of Auckland, I was the head of the technology area and director of the Postgraduate engagement (school of Architecture and Planning). I have been a guest professor in Austria (die Angewandte Vienna) and Germany (Anhalt University Dessau). I have been honorary fellow at the Edinburgh School of Architecture and a keynote speaker at the China Academy of Art, at the MoMA New York and at the Venice Biennale. I have written books and articles published in Europe, New Zealand and USA.



ROBERTA MIGALE

Sede lavoro: The Francis Crick Institute (Regno Unito)
SSD: 05 - Scienze biologiche
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology

Roberta Migale, PhD Postdoctoral training Fellow The Francis Crick Institute London (UK) Email: Roberta.migale@crick.ac.uk EDUCATION AND RESEARCH EXPERIENCE 12/2016-Present Postdoctoral training Fellow, The Francis Crick Institute 05/2016-11/2016 Postdoctoral Researcher, Imperial College London, UK 01/2012-05/2016 PhD Student, Imperial College London, UK Thesis title: “Modelling the contribution of inflammatory and hormonal signalling pathways to preterm and term labour in the mouse”, Supervisors: Prof. Phillip R. Bennett and Dr David A. MacIntyre 07/2011-11/2011 Research Trainee, National Institute of Health “Instituto Superiore di Sanità (ISS)”, Rome, Italy 10/2009-07/2011 MSc Molecular Biology, (First-class hons 110/110) University of Padua (Unipd) and ISS, Italy Supervisors: Prof Cristina Parolin (Unipd), Dr Desiree Bonci and Dr Maria Musumeci (ISS) 09/2006-09/2009 BSc Molecular Biology, (94/110) University of Padua, Italy



ALESSANDRO MILAZZO

Sede lavoro: London Mathematical Society (Regno Unito)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

I have just completed my PhD in Mathematics at Imperial College London and I am now a Research Fellow at London Mathematical Society. My expertise is in probability and stochastic processes. More specifically, I am interested in problems of stochastic control and optimal stopping. Prior to starting my PhD, I have worked one year as a researcher at ARPM (Advanced Risk and Portfolio Management). I have also obtained an MSc in Applied Mathematics at Collegio Carlo Alberto, an MSc in Mathematics at Università di Torino and a BSc in Mathematics at Università di Parma.



LARA MOMESSO

Sede lavoro: University of central lancashire (Regno Unito)
SSD: 14 - Scienze politiche e sociali
ERC: SH3 Environment & society
Keywords: Anthropology, Migration Studies, Gender/Women Studies, Area Studies (Asia Pacific)

Lecturer in Asia Pacific Studies with specialism in migration studies and gender. Course leader of the BA Programme in Asia Pacific Studies. Co-director of the Institute of Taiwan Studies. Deputy Director of the. Centre for Migration, Diaspora and Exile. Research interest: migrant political participation, gendered migrations, China, Taiwan, Asia Pacific region, family formation in the context of migration patterns



NICOLETTA MOMIGLIANO

Sede lavoro:	University of Bristol (Regno Unito)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Archeologia dell'Egeo

Prof Momigliano is an expert in Minoan Crete, its history, and its reception beyond archaeology. She is currently Prof of Aegean Studies at the university of Bristol and a member of the advisory board for the Ashmolean Museum Sir Arthur Evans Archive, of the British School at Athens Cretan Committee, of the Editorial Board of the journal Annual of the British School at Athens, and was the editor of this journal from 2007-2010. She served as Director of the Institute of Greece, Rome and the Classical Tradition at the University of Bristol (2015-2017). She has obtained numerous grants as PI for fieldwork projects in Crete and Turkey as well as for other research activities. She has conducted extensive research on Knossos (including excavations).



DANIELE NEGRO

Sede lavoro:	Research Fellow (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	energy storage

Determined and highly motivated Aero-Thermal Engineer, Mr. Negro has gained more than 8 years of experience working in Aerospace / Oil&Gas Engineering R&D Teams in the UK. Previous to the current position, experience with Gas Turbine Engines was acquired as a Rolls-Royce Contractor and Aero-Thermal Engineer. Adaptable and flexible to the project needs, Mr. Negro has a strong background focused on Hi-Tech / High-Value-Added applications. His approach allows him to complete tasks and objectives on-time, as confirmed by Mr. Negro's records. Strong motivation and self-reliance are the key points in his portfolio.

MARINA NOVELLI



H-Index:	25
Sede lavoro:	University of Brighton - School of Business and Law (Regno Unito)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets SH3 Environment & society SH5 Cultures & cultural production
Keywords:	sviluppo sostenibile, turismo, sviluppo locale, impresa, innovazione

La Prof.ssa Marina Novelli è una geografa con un background in economia. È esperta di pianificazione e sviluppo sostenibile di fama mondiale e professoressa di turismo e sviluppo internazionale presso la Business School dell'Università di Brighton (Regno Unito) - https://www.brighton.ac.uk/staff/professor-marina-novelli.aspx, che è membro dell'Organizzazione Mondiale del Turismo, istituto delle Nazioni Unite. Presso l'Università di Brighton, è anche direttrice della "Responsible Futures Research & Enterprise Agenda", che mira a promuovere collaborazioni interdisciplinari, nonché a internazionalizzare il portafoglio di ricerca dell'Università di Brighton - https://www.brighton.ac.uk/research-and-enterprise/brighton-futures/responsible-futures.aspx. E' recipiente del premio speciale 'Africa Tourism Leadership Award - 2018" per il suo contributo allo sviluppo del turismo sostenibile in Africa e membro del comitato britannico di valutazione nazionale della ricerca universitaria REF2021.



ANNA PACE

Sede lavoro:	PhD student (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Ingegneria Biomedica, progettazione protesi di piede, protesi arto inferiore

PhD student at the University of Salford (UK) in Biomedical Engineering (design of prosthetic feet).



STEFANO PAGLIARA

H-Index:	24
Sede lavoro:	University of Exeter (Regno Unito)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS9 Applied life sciences & biotechnology PE4 Physical & Analytical Chemical sciences
Keywords:	microfluidics; membrane transport; antibiotic resistance; optical tweezers

EDUCATION 2007–2010 PhD grade: excellent Nanoscience, University of Salento, Lecce, Italy Supervisor: Prof. Dario Pisignano 2001–2006 Master Physics, grade: 110/110 cum laude Physics Department, University of Salento, Lecce, Italy CURRENT POSITION 2017 – date Senior Lecturer Biosciences, University of Exeter, UK PREVIOUS POSITIONS AND FELLOWSHIPS 2016 – 2017 Lecturer, Biosciences, University of Exeter, UK 2013 – 2016 Leverhulme Early Career Fellow Cavendish Laboratory till 2014 then moved to Biosciences, University of Exeter, UK 2010 – 2013 Postdoctoral research associate Cavendish Laboratory, University of Cambridge, UK PEER-REVIEWED PUBLICATIONS: 58 h-index: 24. Sum of the times cited: 2250 (Google Scholar 21/9=09/2021)



FABIANO PALLONETTO

Sede lavoro:	University College Dublin (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	sostenibilita veicoli elettrici energia demand response

Fabiano Pallonetto svolge il ruolo di Senior Power system Researcher e Data Analytics all'Energy Institute di Dublino dove ha finalizzato il suo percorso formativo dopo varie esperienze in ambito accademico ed insustriale. Infatti e' stato socio di start up Europee di successo e da piu' di 10 anni lavora in settori interdisciplinari come l'Ingegneria, Informatica e sviluppo. All'Energy Institute il suo ruolo e' quello di fare ricerca in collaborazione con multinazionali ed enti pubblici. Si occupa di smart grid, veicoli elettrici e mobilita' sostenibile e power system. E' anche lecturer per il corso di Advanced Data Structure and Big Data Analytics.

FRANCESCO PARADISO



Sede lavoro:	University of Wolverhampton (Regno Unito)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 12 - Scienze giuridiche 13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs a behaviour SH5 Cultures & cultural production
Keywords:	Research Development, Innovation, Research Impact, Knowledge Exchange, Research Funding, Research Management

Research and innovation development professional with extensive knowledge of research funding, grant proposal development, research impact strategy and research project management in Higher Education.



GIULIA PASTORE

Sede lavoro:	Covance Laboratories Ltd. (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology

Giulia Pastore Deep knowledge in Cell Biology and Molecular Biology Experienced in laboratory procedures and techniques such as: cell culture, cell viability, 3D tissue handling, HPLC, PCR, ELISA, electrophoresis and flow cytometry Proficient of in chemico and in vitro toxicology assays such as: Direct Peptide Reactivity Assay (DPRA), ARE-Nrf2 Luciferase test method (KSA), Human Cell Line Activation Test (h-CLAT), Bovine Corneal Opacity and Permeability (BCOP), Skin Irritation and Corrosion Test (SIT-SCT), EpiOral Cytotoxicity and Permeation Assay, Corrositex, Phototoxcity and Cytotoxcity testing (compliant with OECD guidelines) Experienced in the validation process of new Assays and optimisation of current assays listed above Exceptional attention to details with strong talent in researching, processing and analysing data Experienced in working in GLP/GMP environment Deep knowledge of chemicals, agrochemicals, biocides, pharmaceuticals handling, risk assessments and REACH



DARIO PEDRABISSI

Sede lavoro:	University of Portsmouth (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH3 Environment & society
Keywords:	Architettura, Interni, Design, Urbanistica

My areas of expertise relate to the theory and practice of contemporary architectural design. My research interest involves the study of the domestic space, interior design, public art installations, spatial design, architectural technology and digital technology. The study of the urban morphology and building typology – with a concentration on European and East Asian case studies – complete the spectrum of my competencies. The objectives of my research are the study of the interactions between people and space, both in the private and in the public realm, as this topic relates to the issue of social relationships and sustainability. With more than seven years experience teaching Architectural Design Studios as well as History and Theory of Modern Architecture, my research has focused specifically on the period between post-war modern architecture and contemporary city analysis.



SIMONE PELLICIARI

H-Index:	5
Sede lavoro:	Newcastle University (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	DNA replication, Microbiology, DnaA, Bacillus subtilis

My academic career began in Bologna (Italy), where I studied bacterial transcriptional regulation in the laboratory of the Prof. Scarlato. There, during my MSc internship, I perform an extensive study on how the Ferric Uptake Regulator (FUR) and Nickel Responsive Regulator (NikR) are able to finely tune the expression of the essential gene arsR in the human pathogen Helicobacter pylori. During my PhD, performed in the same laboratory, I focused my attention on an essential orphan regulator named HP1043, which was previously studied by other research groups without a real understanding of its function. I optimized and performed a Chip-seq analysis of this regulator, identifying all the promoter bound in vivo and revealing how this protein regulates the transcription of a huge number of genes linked to transcription and translation processes. After the end of my PhD, I moved to Newcastle upon Tyne (UK), to the Centre for Bacterial Cell Biology (director Prof. Jeff Errington) in the Prof.



LUCA PERUZZOTTI-JAMETTI

Sede lavoro:	Research Associate (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroimmunologia, Stem Cells

Dr. Luca Peruzzotti-Jametti is a Senior Research Associate at the Department of Clinical Neurosciences, University of Cambridge (UK) and Neurology Consultant at Queen Elizabeth Hospital, King's Lynn (UK). After receiving his MD from the University Vita-Salute San Raffaele, Milan (IT) (2007), Luca started his residency in Neurology working in the Department of Neurology and in the Neuroimmunology Unit at San Raffaele Scientific Institute, Milan (IT). He received additional training at the University Hospital in Zurig (Switzerland), at the Institute of Anatomy, University of Aarhus (Denmark) and at the Laboratory of Stem Cells and Restorative Neurology, Lund (Sweden). After receiving his CCT in Neurology (2013), Luca successfully completed a PhD in Clinical Neurosciences at the University of Cambridge 2018). His current focus is the application of cellular reprogramming to stem cell transplantation in Multiple Sclerosis and the treatment of neuroinflammation.



FRANCESCO PIERANGELI

Sede lavoro:	King's College London & National University of Singapore (Regno Unito)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Institutional and Organizational Economics, Blockchain, Innovation in Financial Markets

Experience in academia, banking and tech start-up. Involved in economic research, market analysis and business development delivering presentations and reporting to executives. Studied at university level in Rome, London, San Francisco, Singapore and Hong Kong. Fluent in English, Spanish and Italian. Served as volunteer in Colombia and Italy. Global mindset developed by travelling across 4 continents.



GIULIA PILLA

H-Index: 4
Sede lavoro: University of Oxford (Regno Unito)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Microbiologia

I am a postdoctoral researcher in Prof. Christoph Tang group at the Dunn School of Pathology (University of Oxford), studying antibiotic resistance and virulence plasmid dynamics in Shigella. I obtained both my BSc (Biological Sciences) and MSc (Genetics and Molecular Biology) at the University of Rome “La Sapienza”, working in Prof. Maria Lina Bernardini group on the interaction of Shigella flexneri with human dendritic cells. During my MSc I was awarded an Erasmus scholarship for a research placement in Prof. Christoph Tang group, where I did preliminary studies on the maintenance of the virulence plasmid in S. flexneri. I then continued these studies as a PhD in the same group investigating the plasticity and maintenance of the virulence plasmid in S. flexneri and S. sonnei. As a visitor at the Centre for Vaccine Development (Maryland, USA) I translated my studies for clinical benefit by generating S. sonnei vaccine strains that are currently undergoing preclinical development.



LUCA PINTON

Sede lavoro: King's College London and University College London (Regno Unito)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS3 Cellular and Developmental Biology

Luca is a PhD candidate in Molecular and Cell Biology at King's College London and UCL (London, UK). In his project he investigates pluripotent stem cell-derived disease models of laminopathies which affect the skeletal muscle and peripheral nerves with the ultimate goal of testing novel gene therapies and screen new drugs. He is also a Postgraduate Teaching Assistant at both universities. He graduated in Pharmacy with honours at the University of Ferrara (Ferrara, Italy) in 2015 after attending a 7-month internship at Karolinska Institute (Stockholm, Sweden) in Kjell Fuxe's lab. Luca has published 6 scientific articles in peer-reviewed journals, presented at 10 international conferences and has been granted more than 10 awards so far. Luca is Vice-President and Business Development Director at Innovation Forum London and is also Co-Founder and Public Relationship Officer at London Stem Cell Network.



ANDREA PISAURO

H-Index: 3
Sede lavoro: University of Glasgow (Regno Unito)
SSD: 05 - Scienze biologiche
ERC: LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords: neuroscience, neuroeconomics, decision making

I am interested in the neural basis and the computational principles underlying human decision making. My research focuses on value-based decisions and aims at understanding how the values of available choices are computed from perceptual evidence, internal preferences and the subjective model of the choices context. My current work involves simultaneous measurements of electrical and hemodynamic activity (EEG/fMRI) in the human brain to identify the spatio-temporal characteristics of the evidence accumulation process in value-based decisions.



IRENE PIZZITOLA

Sede lavoro:	Gamma Delta therapeutics (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	Cell and gene therapy, oncology, adoptive cell therapy, immunology

2 Gateway Drive 608533 Singapore +44 • Committed and self-motivated immunologist with over 10 years' experience in adoptive immunotherapy and cell and gene therapy, with a broad-based background in onco-haematology. • Solid knowledge of lentiviral and gammaretroviral vector design and CAR-T therapies develop expertise. • Thorough understanding of the drug discovery process. • Analytical, sharp thinker who relishes challenges and offers solution-based problem-solving skills. • Negotiating and organisational skills and a capacity to work efficiently under pressure. • Proven effectiveness in managing scientists and overseeing complex projects.



MARIA PREGNOLATO

H-Index:	8
Sede lavoro:	University of Bristol (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science
Keywords:	alluvione, rischio, dissesto idrogelogico, risk, resilience, resilience, hazard, flood

Maria Pregnolato is a Lecturer in Civil Engineering and EPSRC Research Fellow at the University of Bristol. Her project "Resilience of national transport networks to flood-induced bridge failures" is within the Living with Environmental Change (LWEC) area and investigates the impact of flooding on bridges and transportation. She is also investigating the role of structural health monitoring for flood-prone bridges, and supporting water, sanitation and hygiene research in international development. Beginning her academic career at Newcastle University, Maria developed an integrated flood-transport model to explore the impact of flooding on road networks. Maria believes that science has a crucial role in developing solutions to global change and demand, by improving the resilience and the quality of urban infrastructure through applied research.



FILIPPO PRISCHI

H-Index:	14
Sede lavoro:	University of Essex (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Biochemistry, Structural Biology, Enzymology, Cancer, Kinase, SARS-CoV-2, small molecule drug discovery

I was born in Siena, where I obtained a BSc in Biological Sciences (2003), and a 2y MSc in Cellular and Molecular Biology (2005). After working on NMR tools to probe proteins folding, I flew to the UK to work on proteins connected to neurodegenerative diseases at the NIMR-MRC in London with one of the leading experts in the field, Prof Annalisa Pastore. My PhD in Biochemistry (2010) was a joint project between Prof Pastore and Prof Niccolai (University of Siena). My interest then shifted to protein signalling and phosphorylation cascades. Thus, I moved to Imperial College London to work on the Unfolded Protein Response with Dr Maruf Ali. I accepted a lectureship (2015) at the University of Essex and I was promoted to Associate Professor in 2020. The research focus of the team I lead is the characterisation of

protein complexes that are part of signalling pathways, in normal and cancer cells. My goal is to understand how the ribosomal kinases signalling pathways transfer information.

LUCA PRIVINZANO



Sede lavoro:	EDI Global (Regno Unito)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour
Keywords:	International Development; Survey Research; Data Collection; Development Economics; Poverty Relief; Impact Evaluation

As Research Officer at EDI Global, my main responsibility is to lead large-scale surveys and impact evaluations in the field of development economics in East Africa. I am responsible in conceptualising and setting-up surveys, including questionnaire design and survey configuration on CAPI software. I provide oversight of field teams during the survey implementation, as well as monitor the data collection with regular in-field visits to East Africa. I am responsible of setting up data processing systems by coding consistency checks, cleaning and analysing data through Stata, providing feedback to clients and field teams. In 2018, I worked as Research Assistant at BRAC Uganda, based in Kampala. During these months at the Research Unit, I assisted a randomized control trial testing the impact of different financial contracts on technology use, sales and profits of small firms, supporting all research activities. I hold a MSc in Economic and Social Sciences from Bocconi University.

IGNAZIO PUCCIO



Sede lavoro:	University College London & Imperial College London (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche 07 - Scienze agrarie e veterinarie
ERC:	LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health Applied life sciences & biotechnology
Keywords:	immunotherapy, tumour microenvironment, oesophagal cancer, solid tumour, multiplex, IHC, immunohistochemistry

UK HCPC registered Biomedical Scientist and Senior Biologist with more than 10 years of experience in Cancer Research, both in Europe and Internationally. Ignazio is a Histopathology Research Officer and Honorary Senior Biomedical Scientist working within the Department of Surgery and Cancer at Imperial College, London. He is also an Honorary Research Fellow at the University College London Cancer Institute where is studying the tumour immune escape mechanisms in Solid tumours and Hematological malignancies by applying Quantitative Multiplex Immunofluorescence/Immunohistochemistry assay and digital image analysis.

ANTONINO PUGLISI



Sede lavoro:	ricercatore (Regno Unito)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology

I am a highly motivated and energetic research scientist with a strong background in organic chemistry. My experience comes from both academia and industry in different areas of the chemical sciences ranging from organic synthesis to

drug formulation, from bio-conjugation to supramolecular chemistry. In addition to my technical experience, I am a very good communicator; I have strong organizational and motivational skills and proven ability in working in a multi-cultural environment.



SILVIA RIGATO

H-Index:	12
Sede lavoro:	University of Essex (Regno Unito)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords:	Developmental psychology, developmental cognitive neuroscience

PhD in Psychology, Centre for Brain and Cognitive Development, Birkbeck College, London (2010) Thesis title: The interactions between emotional facial expressions and eye gaze processing in infants and adults. Supervisors: Professor Mark Johnson and Dr Teresa Farroni Funding: Marie Curie Fellowship MSc in Developmental and Educational Psychology, University of Padua, Italy (2005) Final dissertation: Mechanisms of face recognition at birth. Supervisor: Dr Teresa Farroni BSc (Hons) in Developmental Psychology, University of Padua, Italy (2003) Final dissertation: Prenatal Education - The development of a new science. Supervisor: Professor M. G. Fava Vizziello EMPLOYMENT Senior Lecturer University of Essex (2018-present) Lecturer University of Essex (2013-2018) Postdoctoral Research Associate Goldsmiths, University of London (2010-2013) Research Fellow University of East London (January-August 2010)



ELISA ROCCIA

Sede lavoro:	King's College London (Regno Unito)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Bioengineering, Oncology, Magnetic Resonance Imaging

Education 2016-2020: PhD in Medical Imaging, King's College London, London (UK) - "Development of a novel Magnetic Resonance Imaging acquisition method for cancer imaging" 2013-2015: MSc in Bioengineering, University of Padova, Padova (Italy) 2009-2012: BSc in Biomedical Engineering, University of Trieste, Trieste (Italy) Professional experience 2019 (one month): Guest researcher, Siemens Healthineers, Erlangen (Germany) 2016 (six months): Research engineer, Vision RT Ltd, London (UK) 2015 (seven month): Visiting student, Columbia University in the City of New York, New York City (USA) Other activities 2016-2020: Director, Association of Italian Scientists in the UK 2017-2020: Science advocate, Native Scientist 2015-2020: Conference organization (IEEE ISBI 2019, Science policy and the public in Italy 2019, King's postgraduate symposium 2017) 2020: silver Engineering medal, STEM for Britain competition



MARCO ROSCINI

Sede lavoro:	University of Westminster (Regno Unito)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Diritto internazionale, cyber security, sicurezza informatica, disarmo, diritto dei conflitti armati, uso della forza armata, civil wars, Nazioni Unite

Marco Roscini is Professor of International Law at the University of Westminster in London. Prof. Roscini has a PhD from Sapienza University of Rome and was previously a Research Fellow in International Law at the University of Verona Law School. He lectured in international security law (jus ad bellum, law of armed conflict, and disarmament law) at University College London (UCL), King's College London, Queen Mary University of London, and the Ecole des Relations Internationales in Paris. Prof. Roscini has published widely in the field of international security law. He is the author of Le zone denuclearizzate (Nuclear weapon-free zones, Giappichelli, 2003) and of Cyber Operations and the Use of Force in International Law (Oxford University Press, 2014). He is also the co-editor of Non-proliferation Law as a Special Regime (Cambridge University Press, 2012). His scholarship has also appeared or is forthcoming in important peer-reviewed journals as well as in several edited books.



ANTONIO AUGUSTO ROSSOTTO IORIS

Sede lavoro: Cardiff University (Regno Unito)
SSD: 14 - Scienze politiche e sociali
ERC: SH3 Environment & society

Antonio A. R Ioris is reader in human geography at Cardiff University, UK. Main areas of work include political ecology, environment and development, agrarian conflicts and indigenous peoples. For list of publications and projects: https://antonio-ioris.my-free.website/



LUCIA RUBINELLI

Sede lavoro: London School of Economics (Regno Unito)
SSD: 14 - Scienze politiche e sociali
ERC: SH6 The study of the human past
Keywords: storia delle dottrine

Lucia Rubinelli is Fellow in Political Theory at the LSE. Before joining the School, she was a doctoral candidate at the University of Cambridge, Magdalene College, where she wrote a dissertation on the idea of constituent power as developed historically from the French Revolution up to contemporary political theory. She holds degrees from the LSE and the EHESS in Paris.



DANILO RUSSO

H-Index: 8
Sede lavoro: University of Cambridge (Regno Unito)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering
Keywords: kinetic modelling, wastewater treatment, safety, machine learning, photocatalysis

Danilo Russo ha completato i propri studi ed ottenuto il Ph.D. in Ingegneria dei prodotti e processi industriali presso l'Universita' degli studi di Napoli Federico II. Ha anche svolto attivita' di ricerca presso il Dipartimento di Ingegneria Chimica della Loughborough University (UK). Da Maggio 2018 e' ricercatore presso l'Universita' di Cambridge (UK). Da Gennaio 2020 e' Lecturer in Reattori Eterogenei presso l'Universita' di Cambridge. Tra gli le aree di interessa: modellazione cinetica, processi di ossidazione avanzata, sicurezza industriale, processi di nitrazione, fotocatalisi, microreattori, automazione. E' abilitato alla professione presso l'Ordine degli Ingegnere di Napoli da Gennaio 2021. Ha ottenuto l'abilitazione scientifica nazionale nel 2020. E' cultore della materia presso lo stesso L'Universita' di Napoli

Federico II. Svolge attivita' editoriale e di revisione per diverse riviste scientifiche. Autore di 25 pubblicazioni e diversi contributi in atti di convegno.



FEDERICA SARRO

H-Index:	27
Sede lavoro:	University College London (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

I am Professor of Software Engineering at the Department of Computer Science of University College London (UCL). I lead the SOLAR group, which I have established in 2019 and currently consists of 14 members. From 2014 to 2018 I led the UCL App Store Analysis (UCLappA) research team. UCLappA has been the first group in the UK (and one of the first internationally) working on App Store Analysis for SE. The research outcome of UCLAppA has led to the creation of the Appredict Ltd. spin out, which I currently direct. I am also member of the CREST research centre and Systems and Software Engineering group at UCL. My research interests include Predictive Analytics for Software Engineering (SE), Empirical SE and Search-Based SE, with a focus on software project managment, software measures, software testing, and app stores analytics. I have led both national and international research collaborations working with over 40 different co-authors and 20 institutions worldwide.



FABRIZIO SCARPA

H-Index:	63
Sede lavoro:	University of Bristol (Regno Unito)
SSD:	02 - Scienze fisiche 05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	auxetics; nanotechnologies; bio-based materials; aerospace; smart materials

1997-1998 Ricercatore Associato (University of Sheffield) 1998-2005 Lecturer/Senior Lecturer (University of Sheffield) 2005 - oggi Senior Lecturer/Reader/Professor of Smart Materials and Structures (University of Bristol) Altri incarichi ricoperti: 2013 - Visiting Scholar (Georgia Tech), 2017-oggi Faculty International Director; Materials Theme Leader (Bristol Composites Institute); 2015 - oggi: Visiting Professor (School of Materials Science, Zhejiang University, Cina) Google Scholar: https://scholar.google.com/citations?user=gLySzqAAAAAJ&hl=en



GIAMPIETRO SCHIAVO

H-Index:	81
Sede lavoro:	University College London (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	neurodegeneration, axonal transport, borulinum neurotoxin, tetanus, amyotrophic lateral sclerosis

Employment History 2019-present Deputy Director, UCL Queen Square Institute of Neurology, UK 2017-present UK Dementia Research Institute at UCL Professorship 2014-present Lead Academic Scientist, ARUK UCL Drug Discovery Institute, UCL, UK 2013-present Professor of Cellular Neurobiology, UCL Queen Square Institute of Neurology, UCL, UK 1996-2013 Group Leader, Cancer Research UK London Research Institute, UK 1992-1995 Senior Researcher, Dept of Biomedical Sciences, University of Padua, IT 1983-1991 Research Associate, Institute of General Pathology, University of Padua, IT Membership of Professional Bodies 2019-present Foreign Fellow, Istituto Veneto di Scienze, Lettere ed Arti (IVSLA) 2014-present Fellow, Royal Society of Biology (FRSB) 2011-present Fellow, Academy of Medical Sciences (FMedSci) 2010-present Member, European Molecular Biology Organization (EMBO)

FRANCESCA SCOTTI



Sede lavoro:	DR (Regno Unito)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology SH3 Environment & society

Francesca Scotti is a pharmacist, registered in Italy; after a practice period she moved to the UK where she got a MSc in Natural Products Chemistry and Pharmacognosy, followed by a PhD in Pharmaceutical Chemistry at UCL (2017). Since then she has worked as a Research Associate at UCL, with Prof. Michael Heinrich, mostly on quality of medicinal herbal products and drug discovery. She is currently working on two projects: one on natural products for PDT therapy, one on the implementation of the Nagoya protocol (access and benefit sharing) in Guatemala. Her expertise spans from pharmaceutical and medicinal chemistry, phytochemistry, analytical chemistry, molecular biology to pharmacognosy, traditional medicine, value chain analysis and good practice in international scientific collaboration. Her interest further span into anthropology, support to rural livelihoods and conservation.

LEILA TALANI



Sede lavoro:	King's College London (Regno Unito)
SSD:	14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets
Keywords:	Politica Economica internazionale ed Europea

Leila Simona Talani is Professor of International Political Economy in the department of European and International Studies since 2014. In 2017 she was awarded a visiting Professorship at the Kennedy School of Government of the University of Harvard. She was also appointed as Jean Monnet Chair of European Political Economy by the European Commission in 2012. She was previously at the European Institute of the London School of Economics and in the department of European studies of the University of Bath since the year 2001. From November 2000 until September 2001 she held the position of Associate Expert for the United Nations Regional Office for Drug control and Crime Prevention based in Cairo working on irregular migration from the Middle East and Northern Africa to EU countries. In the academic year 1999-2000 she taught "The political Economy of European Integration" at the European Institute of the London School of Economics.

GIACOMO TARRONI



Sede lavoro:	City, University of London (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health PE6 Computer science & informatics
Keywords:	machine learning, artificial intelligence, medical image analysis, computer vision, healthcare

Giacomo Tarroni has been a full-time researcher in the field of medical image analysis since 2009. His work has been mainly focused on image segmentation, image registration, quality control and object tracking for cardiovascular, brain and fetal images. In particular, he obtained his Ph.D. from the University of Bologna, Italy (in collaboration with the University of Chicago, U.S.) working on the automated analysis of first-pass myocardial perfusion sequences in MRI. During his post-doc at the University of Padova, Italy, he focused on the automated analysis of fetal ultrasound images. After being awarded a Marie Skłodowska-Curie Fellowship from the European Commission, he moved to Imperial College London, where he became interested in the applications of machine learning and AI to automated organ detection, quality control assessment and motion correction for cardiac MRI. Since 2019, he is Lecturer in AI at City, University of London.

NICOLA TARTONI



Sede lavoro:	Diamond Light Source (Regno Unito)
SSD:	02 - Scienze fisiche
ERC:	PE7 Systems & communication engineering
Keywords:	rivelatori, raggi X

Dal 2007 sono responsabile del gruppo detector a Diamond Light Source, la sorgente di luce di sincrotrone del Regno Unito di cui sono membro dello staff dal 2004. Il gruppo, che comprende fisici, ingegneri elettronici, e tecnici, si occupa del supporto alle operazioni e dello sviluppo di rivelatori di raggi X per imaging, diffrazione e scattering, e spettroscopia. Sotto la mia guida sono stati installati i rivelatori in operazione in 33 linee di luce e sono stati portati avanti dei significativi programmi di sviluppo tecnologico per il miglioramento delle prestazione di tali rivelatori. Prima di Diamond sono stato dipendente dell'ENEA dal 1993 al 2004. L'esperienza piu' significativa e' stata al tokamak di Frascati FTU dove sono stato membro del gruppo di diagnostiche ottiche e dove ho fatto due importanti upgrade della diagnostica Thomson scattering. Laureato in fisica all'università di Firenze nel 1992 con una tesi sperimentale su rivelatori in GaAs per LHC.

GIULIANA TIRIPELLI



Sede lavoro:	De Montfort University, Leicester England (Regno Unito)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	media, conflitto, pace, cambiamento sociale

giulianatiripelli@gmail.com ORCID 0000-0002-9681-2550 twitter: @iulikravitz • Giuliana Tiripelli is PhD in Sociology and Media Studies (University of Glasgow 2013), and she works as Senior Lecturer in Digital Journalism and Media Discourse (De Montfort University, Leicester England). Previously, Giuliana worked as Senior Lecturer in Digital Society and Associate Researcher on digital communication in crisis situations (University of Sheffield 2016-2018). Between 2009 and 2014, Giuliana worked as researcher and teaching assistant in Sociology and Media Studies at the Glasgow University Media Group. • Giuliana's research examines the social role of the news media with a focus on digital media and normative models of journalism for conflict transformation. This research aims to strengthen journalism's constructive role during periods of social transformation and instability.

MARCO TOMIETTO



H-Index:	17
Sede lavoro:	Northumbria University at Newcastle (Regno Unito)
SSD:	06 - Scienze mediche
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour
Keywords:	Healthcare organisation, human resource management, patient safety, healthcare education,

Marco's expertise mainly focuses on clinical learning environments, mentorship, organizational transition of newcomer nurses, and work and organizational psychology dynamics related to nursing science, nursing environments and human resources management in healthcare settings. His research vision embeds a multi-disciplinary perspective. After his studies in nursing science, he completed his PhD in work and organizational psychology, so to embed in nursing research the theoretical and methodological approaches of a different discipline and to further enhance the understanding of nursing phenomena. Along his research journey, he developed broad methodological expertise in scales validation, CFA, Structural Equation Modelling, biostatistics, and epidemiology in order to further disclose the healthcare settings' and nursing's complexity. His work contributed to testing and disclosing new empirical models to support educational and organizational decision-making in nursing education.

DANIELA TREVERI GENNARI



Sede lavoro:	Oxford Brookes University (Regno Unito)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production
Keywords:	Cinema

Professor of Cinema Studies at Oxford Brookes University. Principal Investigator of the AHRC-funded project European Cinema Audiences: Entangled Histories, Shared Memories (www.europeancinemaaudiences.org), Chair of the Creative Industries Research and Innovation Network (CIRIN), Co-Director of the Centre of Research in the Arts (CoRA) and Research Lead in the School of Arts

FRANCESCA TROIANI



Sede lavoro:	Research Associate (Regno Unito)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	neural interfaces, public engagement, outreach, impact, brain, oct

Francesca Troiani received her BSc in 2011 and her MSc (cum Laude) in Physics on September 2013 from University of Trieste, Italy. After graduation she was awarded a six months postgraduate fellowship from SISSA to continue her work on the formation of spatial representations on hyperbolic surfaces. Francesca's PhD project, at the Next Generation Neural Interfaces (NGNI) at Imperial College London, focused on the development of an optical neural interface. Until August 2021 she was a Research Associate at the NGNI Lab where she was also responsible for the development and delivery of public engagement activities. She is currently a Programme Manager (Medtech and Digital Health Innovations) at LGC Grant Management Group, working on projects like i4i and SBRI and a honorary researcher at the NGNI Lab at Imperial College London. She is a mental health first aider and a Prince 2 certified project manager.

LUCA URBANI



H-Index:	17
Sede lavoro:	Institute of Hepatology, Foundation for Liver Research (Regno Unito)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology LS9 Applied life sciences & biotechnology
Keywords:	Ingegneria tessutale, extracellular matrix, liver disease, decellularization, liver cancer, three-dimensional cultures, microenvironment

My research focus is the use of tissue engineering in disease modelling and regenerative medicine. I have extensive experience in the study of extracellular matrix mechanical and biological properties and its use to develop 3D cultures for transplantation and disease modelling. I developed, characterized and cell-engineered extracellular matrix-derived scaffolds for the engineering of the liver, trachea, gut, kidney, skeletal muscle, lung, bladder, blood vessels, oesophagus and cancer. I designed and validated bioreactors and dynamic culture systems to support the 3D tissue cultures; described the mechanism of the immunomodulation by acellular matrices in xenotransplantation models; engineered bio-artificial oesophagi for use in paediatric malformations; described properties of decellularized ECM in angiogenesis, tissue regeneration, transplantation, and stem cell differentiation. In 2017 I became Principal Investigator and Senior Lecturer at the Institute of Hepatology London and KCL.

CARLA USAI



Sede lavoro:	Queen Mary University of London (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	infectious diseases, viral hepatitis, animal models, immunology, COVID-19

PhD in Biomedical Research with experience in both in vitro and in vivo experimental systems, with a particular focus on infectious diseases. Currently working on the characterisation of the immune response in HBV-HDV coinfected patients, and in convalescent COVID-19 patients. Interested in the therapeutic applications of biotechnology in immunology and gene therapy.



RAFFAELLA VILLA

H-Index:	25
Sede lavoro:	De Montfort University (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Ingegneria ambientale, microbiologia applicata

CV esteso attached



ORTENSIA VITO

Sede lavoro:	Imperial College London, London, UK (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 06 - Scienze mediche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Biomarkers, Infectious diseases, gene expression, multi-omics

I was awarded both my BSc and MSc biomedical engineering degrees from the University of Pisa with the maximum grade of 110 con lode out of 110. I have extensive experience in informatics, large databases and front-end applications, which constitute transferable skills that are crucial for the field of medical research, due to the large volume of data currently being generated that seek interpretation. For the past three years, I have been working as a database coordinator and research assistant at Imperial College in the Department of Medicine, my main focus is on discovering new transcriptomic, proteomic and multi-omic biomarkers for infectious diseases. I am self-motivated and have a thirst for scientific discovery. My good problem-solving skills and inquiring mind lead me to innovative ideas, while I have excellent attention to details, motivation to excel and willingness to meet the deadlines, even when I work under pressure.



SIMONE ZACCARIA

Sede lavoro:	University College London (Regno Unito)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	bioinformatics, computational biology, cancer computational biology, cancer genomics

I am the group leader of the Computational Cancer Genomics research group at the UCL Cancer Institute in London, UK. Additionally, I am a Visiting Scientist at the Francis Crick Institute and I serve as Deputy Lead of the Informatics Core of the CRUK Lung Cancer Centre of Excellence. In 4 years, I have completed my research training in cancer computational biology as a Postdoctoral Research Associate at Princeton University in USA with Professor Ben Raphael, after receiving a PhD in Computer Science at the University of Milano-Bicocca in Italy under the supervision of Professor Paola Bonizzoni. Currently, my research concerns the design and development of computational methods to investigate cancer evolutionary processes from the analysis of the data generated by cutting-edge sequencing technologies, including single-cell sequencing, multi-site sequencing, and liquid biopsies. My education included the study of combinatorial optimization and computational complexity.



ANDREA ZAMPETTI

H-Index:	10
Sede lavoro:	Sharp Laboratories of Europe (Regno Unito)
SSD:	02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Microelectronics, Nanotechnology, Physics, Semiconductors

Electronic engineer with particular interest in Optoelectronics and Applied Physics, and progressive experience in R&D of electronic devices from concept to application. I gained wide expertise in the research area, project, time, people and lab management, and in dealing with different kind of partners, from universities to large companies. I have grown a strong background in emissive technology, photovoltaic, thin film transistor and MEMristor. My strength is to quickly identify and evaluate promising and innovative advanced technologies.



SARA ROSSANA ZANIVAN

H-Index:	18
Sede lavoro:	Cancer Research UK Beatson Institute (Regno Unito)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS3 Cellular and Developmental Biology LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Cancer, Mass spectreometry, Proteomics

Zanivan, Sara Rossana Education 2006 PhD in Complex Systems Applied to Post-Genomic Biology, IRCCS, University of Torino, Candiolo, IT 2002 1st Level Master Bioinformatics, School of Medicine, University of Torino, IT 2001 Master (5-yrs course) in Biology (Magna Cum Laude), School of Medicine, University of Torino, IT Current positions 2017-presentHead, Laboratory of “Tumour microenvironment & Proteomics”, CRUK Beatson Institute, Glasgow, UK 2014-presentHead, “Proteomics Advanced Technology”, CRUK Beatson Institute, Glasgow, UK 2017-presentTenured, Senior Lecturer, University of Glasgow, UK Previous positions 2010-2017Junior Group Leader “Tumour Microenvironment & Proteomics” Group and Head of Advanced Technology Proteomic Facility. CRUK Beatson Institute, Institute of Cancer Sciences - University of Glasgow, UK 2010-2017 Tenure Track, Senior Lecturer, University of Glasgow, UK 2007-2010Post-doc, Max-Planck Institute for Biochemistry, Martinsried, DE



GIUSEPPE ZURLO

Sede lavoro:	IRLANDA -- National University of Ireland, Galway - School of Mathematics, Statistics and Applied Mathematics (Regno Unito)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE1 Mathematical foundations PE3 Condensed matter physics
Keywords:	elasticità, meccanica dei solidi, crescita, additive manufacturing, instabilità, elettroelasticità

Dopo la laurea in Ingegneria Meccanica presso il Politecnico di Bari nel 2002, ho conseguito il PhD in Ingegneria delle Strutture presso l'Università di Pisa nel 2006 nell'ambito della Scienza delle Costruzioni. Dal 2006 al 2012 sono stato assegnista di ricerca/post-doc presso il Politecnico di Bari, quindi dal 2012 al 2013 borsista Marie Curie / INDAM presso

l'Ecole Polytechnique di Pargi. Da Gennaio 2014 sono Lecturer of Applied Mathematics presso la National University of Ireland. La mia ricerca verte sulla meccanica dei solidi, in particolare mi occupo di crescita in materiali biologici e delle relative instabilità che conducono alla formazione di patterns, ma anche di additive manufacturing. Altri temi sono l'elettroelasticità, il corrugamento in membrane sottili, e più in generale la teoria dell'elasticità. Ho supervisionato 1PhD thesis presso la NUI Galway e circa 20 tesi di BSc/MSc sia in Italia che in Irlanda, e sono stato supervisor per una borsa biennale post-doc IRC.



National University of Ireland, Galway

REPUBBLICA CECA

FEDERICO BRIVIO



H-Index:	9
Sede lavoro:	Charles University (Repubblica Ceca)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis PE6 Computer science & informatics
Keywords:	DFT, Photovoltaics, Quantum Chemistry, HPC, density functional theory, hybrid perovskites

My name is Brivio Federico, I graduated in Italy at Universita' degli studi di Milano Bicocca in Material Science. During my master I spent my thesis period abroad at the ICQC in the Universitat de Barcelona. My main area of interest is quantum-chemistry and solid state physics. And I've been working in photovoltaics and functional materials mostly performing DFT (Density Functional Theory) simulation. After a brief period of work as a "Scuola Media" teacher, I started a PhD at the University of Bath with professor Aron Walsh. My project was part of the ITN-Marie Curie project Destiny and regarded novel photovoltaics based on hybrid perovskites. After my PhD I did a first 1-year postDoc at the University of Cambridge (UK) with Prof. Tony Cheetham and Dr. Paul Bristowe. After such experience I started my current position in the Charles University (CZE) as a PostDoc researcher part of the CUCAM project (http://www.zeolites.cz/CUCAM/) mostly working on Zeolites.

MARIAPOMPEA CUTRONEO



H-Index:	10
Sede lavoro:	Nuclar Physics Institute (Repubblica Ceca)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	Laser-matter interaction, laser diagnostics, target, graphene based materials, RBS, Optical measurements, lithography

Born: 27.04.1974, Messina, Italy 2004 - “Certificate of higher technique specialization as technician expert on acquisition and treatment of environmental data”, E. Majorana Inst.&University of Messina (UniMe), Italy 2010 - Degree in Physics, thesis “Evidence of strange attractor existence at the low scale of the boundary-layer”, UniME, Italy 2013- Leos Laska Prize to the best oral presentation: “Characterization of thin films for TNSA laser irradiation” 2014- Defense of the PhD thesis: “Ion Acceleration, Diagnostics and Laser-Plasmas Applications” and PhD degree with Doctor Europaeus Mention, (UniME), Italy 2014- Post doc position at Nuclear Physics Institute(NPI), Czech Republic 2017- Senior Researcher at Nuclear Physics Institute (NPI), Czech Republic 2017- Board member of the PhD School in Physics (UniME), Italy 2017- One of the main coordinators responsible for the PhD students coming from MIFT of Messina (Italy) during the internship program opened at NPI.

MATTEO DAL BEN



H-Index:	4
Sede lavoro:	Charles University in Prague (Repubblica Ceca)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology

RESEARCH EXPERIENCE 2018 – Present - Postdoctoral Fellow at Charles University in Prague (Czech Republic) I'm studying the biological properties of bilirubin and its photoisomers in neuronal tissue. I review manuscripts for biomedical journals (publons.com/a/1403639/). 2016 – 2017 - Postdoctoral Fellow at University of Trieste (Italy) I was involved in the development of an in vitro model of Parkinson Disease. 2013 – 2015 - Ph.D. student at the Italian Liver Foundation in Trieste (Italy) I was involved in the study of the neurotoxicity of bilirubin using organotypic brain cultures. I was involved in the development of a mouse model of pediatric obesity. EDUCATION 2016 – Ph.D. in Molecular Biomedicine at the University of Trieste (Italy) 2012 – Master Degree in Medical Biotechnology at the University of Trieste (Italy) 2010 – Bachelor Degree in Biotechnology at the University of Trieste (Italy)



ALESSANDRO FABBRIZIO

Sede lavoro: Univerzita Karlova (Repubblica Ceca)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science
Keywords: petrology,geochemistry,volcanology

I am an experimental geoscientist performing experiments at high temperatures and high pressures with the aim of understanding the evolution of magma from its source inside the Earth to its final eruption at Earth's surface. I am particularly interested in planetary evolution and to the study of pre- and syneruptive conditions of active magmatic systems. I am also interested in the application of micro-analytical techniques for the characterization of natural and synthetic materials.



NICOLA REINALDO FORNAINI

H-Index: 1
Sede lavoro: Charles University (Repubblica Ceca)
SSD: 05 - Scienze biologiche
ERC: LS3 Cellular and Developmental Biology

Dopo essermi laureato in Italia in Genomica Funzionale e aver lavorato un anno come informatore tecnico/scientifico, mi sono trasferito a Praga per svolgere un dottorato di ricerca in biologia cellulare, in particolar modo sull'evoluzione degli Xenopus.



GIANCARLO FORTE

H-Index: 24
Sede lavoro: St. Anne's University Hospital Brno (Repubblica Ceca)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS3 Cellular and Developmental Biology
Keywords: Mechanobiology, cardiovascular diseases,

- Deputy Director for Science, International Clinical Research Center, St. Anne's University Hospital in Brno, Czech Republic (FNUSA-ICRC). - Head, Center for Translational Medicine (CTM) at FNUSA-ICRC. - Principal Investigator, Mechanobiology of Disease, FNUSA-ICRC. - Adjunct Professor, Cell Biology and Biomaterials, University of Turku (Finland). - founder, Competence Center for Mechanobiology in Regenerative Medicine, an Austria-Czech Republic joint initiative. - previously Senior Researcher, National Institute for Materials Science (NIMS, Japan). - previously Scientist at World Premiere Institute for Materials Nanoarchitectonics (MANA, Japan). - previously post-doc at Istituto Nazionale

per le Ricerche Cardiovascolari (INRC, 2006-2009). - PhD in Experimental Pathophysiology, University of Rome “Tor Vergata” (2005). -



EMANUELE LACCA

Sede lavoro:	Università della Boemia del Sud in Ceske Budejovice (Repubblica Ceca)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production SH6 The study of the human past

The scientific activity of Emanuele Lacca developed in multiple directions of research. The investigation was initially carried out in the field of Medieval thought, with particular reference to the theory of intentional knowledge in Thomism. Then, he directed his research towards a wider philosophical problematic, concerning ethical issues in Renaissance. The result of this work, aimed at reconstructing relevant aspects of Iberian Renaissance thought, was the 2018 monograph (Knowledge and Action, Editorial Sinderesis, Madrid-Porto, 2018). The interest in this topic has further materialized in many articles and book chapters, published in books and journals of international relevance. Finally, he moved on the field of social ethics, where he actually investigates. His main research topics now are the relevance of the Social Doctrine of the Church and its most important texts in the Western tradition and the construction of a valid ethical theory for the post-Covid aftermath.



ALBERTO MARMODORO

Sede lavoro:	Institute of Physics, Czech Academy of Science (Repubblica Ceca)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Electronic structure theory, computational solid state physics, multiple scattering, Green function theory, scientific computing, ab initio methods, spintronics, disorder, theoretical spectroscopy, materials scien

Main area of expertise: electronic structure theory and computational solid state physics, Green function theory and multiple scattering for problems of disorder, magnetism, theoretical spectroscopy. Research experience in Czech Republic (Institute of Physics of the Czech Academy of Science, Prague), Germany (Ludwig-Maximilians University, Munich; Technical University Darmstadt; Goethe University Frankfurt am Main; Max-Planck Institute of Microstructure Physics, Halle), Japan (School of Science and Engineering, University of Chiba; National Institute for Advanced Science and Technology, Tsukuba), United Kingdom (University of Warwick), Denmark (University of Copenhagen).



MARIA STEFANIA MASSARO

Sede lavoro:	Charles University - Faculty of Medicine in Pilsen (Repubblica Ceca)
SSD:	06 - Scienze mediche 09 - Ingegneria industriale e dell'informazione
ERC:	LS9 Applied life sciences & biotechnology

2021 - Principal Investigator del progetto START.MED.027 finanziato dalla Charles University (Repubblica Ceca) 2020 - Biomedical Center, Faculty of Medicine in Pilsen – Laboratory of Cancer Treatment and Tissue Regeneration – Assistente alla ricerca 2019 - Dottorato di Ricerca in Experimental surgery - Charles University, Faculty of Medicine in Pilsen

(Characterization of decellularized liver scaffold structure and cell – scaffold interactions as prerequisites for liver tissue engineering) 2019 Abilitazione professionale all'esercizio della professione di Ingegnere Industriale 2018 Innovation Center Iceland (Reykjavik, Islanda) - Tesi di Laurea Magistrale (Chitin derivatives coatings on titanium surfaces) 2015 – 2019 Laurea magistrale in Ingegneria Biomedica – Politecnico di Torino 2015 Clinica Cellini, Torino, tirocinio formativo 2011 – 2015 Laurea in Ingegneria Biomedica – Politecnico di Torino



VITTORIA MATTIONI MARCHETTI

H-Index:	7
Sede lavoro:	Biomedical Center (Repubblica Ceca)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Microbiologia

Sono un Junior researcher presso il Biomedical Center di Pilsen (Repubblica Ceca), centro di ricerca afferente alla facoltà di Medicina della Charles University di Praga. Attualmente mi occupo dello studio dell'antibiotico resistenza in batteri Gram-negativi di origine clinica/animale/ambientale. In particolar modo, mediante tecniche di sequenziamento di ultima generazione, studio la produzione di enzimi che inattivano gli antibiotici, quali fosfomicina e carbapenemi, e la loro diffusione mediante elementi mobili, come i plasmidi. Il presente ambito di ricerca è stato fulcro dei miei studi durante la laurea magistrale ed il corso di Dottorato. Durante la laurea triennale, mi sono occupata dello studio di malattie genetiche mediante tecniche di ibridazione in situ e l'uso di modelli animali, quali Zebrafish.



ROBERTO OLIVERI

H-Index:	11
Sede lavoro:	Czech Academy of Sciences, Institute of Physics - FZU, CEICO (Repubblica Ceca)
SSD:	02 - Scienze fisiche
ERC:	PE1 Mathematical foundations PE9 Universe sciences
Keywords:	Gravitational Waves, Black Holes, Binary Systems

I am currently Postdoctoral Researcher at the Central European Institute for Cosmology and Fundamental Physics (CEICO), an international research group focused on the interplay between Cosmology, Gravity and String Theory. I received my Ph.D. in Theoretical Physics in August 2018 from Université Libre de Bruxelles (ULB, Belgium) under the supervision of Prof. Geoffrey Compère. I am co-author of 18 scientific works: 14 papers published in international leading journals in theoretical physics, 1 Ph.D. thesis, 1 lecture notes on black hole binary astrophysics, and 2 white papers for LISA Consortium and the COST Action GWverse CA16104. I am member of the Virgo Collaboration and LISA Consortium. I presented my works at several international events, including more than 10 invited talks. My main research activity lies in Gravitation with particular focus on Black Holes and Gravitational Waves. I am interested in both theoretical and astrophysically-oriented topics.



FRANCESCO PIANA

Sede lavoro:	Ústav makromolekulární chemie AV ČR, v.v.i. (Repubblica Ceca)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	polimeri;materiali compositi;optoelettronica

Dr. Francesco Piana is a Researcher in the Department of Polymers for Optoelectronics at the Institute for Macromolecular Chemistry in Prague, where has been studying materials with special electric properties, specifically polymer-based composites, that may be applied in electro-technical devices since 2013. Dr. Piana's international work included research on polyurethanes loaded with conductive carbon fillers for antistatic coating, and electromagnetic shielding in collaboration with Università la Tor Vergata in Rome, and a study of ceramic nanoparticles for dielectric insulant polymer layers for flexible circuit components in cooperation with the Università Niccolò Cusano in Rome and the university of Pardubice. In the recent years, he has started collaborating with the Institute of Construction Materials of Dresden in the area of cements and geopolymers reinforced with carbon fillers for sensing applications, as an expert in impedance spectroscopy.



GIUSEPPE SILANO

H-Index:	3
Sede lavoro:	Czech Technical University in Prague (Repubblica Ceca)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	automatic control

I was born in Benevento, Italy, in 1989. I received a bachelor's degree in computer engineering (2012), a master's degree in electronic engineering (2016), and a doctorate in information engineering (2020) from the University of Sannio, Benevento, Italy. From May to November 2016, I joined the automatic control group (GRACE) as a research fellow at the same university. During my doctorate, I worked on the use of software-in-the-loop methodologies for the analysis and control design of small UAV systems, under the supervision of Prof. Dr. Luigi Iannelli. From March to November 2019, I was a visiting Ph.D. student at LAAS - CNRS, in Toulouse, working with Prof. Dr. Antonio Franchi and his team. Currently, I am a post-doctoral research fellow at the Czech Technical University in Prague, working with the Multi-robot System (MRS) Group together with Prof. Dr. Martin Saska.



ALFIO TORRISI

H-Index:	6
Sede lavoro:	Czech Academy of Sciences, Nuclear Physics Institute (Repubblica Ceca)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	Optics, Microscopy, Laser-matter interaction, Material Science, Detectc

EDUCATION and SCIENTIFIC CAREER: 04/09/2014 - 10/04/2017: Ph.D. in technical sciences, in the discipline of Electronics, specialty in Optoelectronics at the Institute of Optoelectronics, Military University of Technology (IOE - MUT), Warsaw, Poland, Joint Agreement with Czech Technical University in Prague (CTU) under the EXTATIC (Extreme-ultraviolet and X-ray Training in Advanced Technologies for Interdisciplinary Cooperation) ERASMUS MUNDUS PROGRAMME. 01/07/2013 - 16/10/2014: Professional Master's Programme from Dept. of hygiene and public health, University of Catania, Italy. Master title: "Environmental Monitoring and mutagenic, carcinogenic and teratogenic risk assessment". 01/10/2009 - 27/03/2013: M.Sc. in Applied Physics from Department of Physics and Astronomy, University of Catania, Italy. 15/07/2009: B.Sc. in Physics from Department of Physics and Astronomy, University of Catania, Italy.

ROBERTO VERSACI

Sede lavoro:	ELI Beamlines (Repubblica Ceca)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

Has received the PhD by the University of RomaTre, Italy. Has a background in high energy physics and recently focus his activity on Monte Carlo simulations, detector development, and radiation protection. Has work in Italy and several other countries for various research institutes, including INFN and CERN. Currently, works at ELI Beamlines, where he is the Head of the Monte Carlo group.

FEDERICO ZANGANI



Sede lavoro:	Czech Institute of Egyptology, Charles University in Prague (Repubblica Ceca)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Egittologia, Assiriologia, Vicino Oriente

Attualmente lavoro come postdoctoral fellow al Czech Institute of Egyptology, presso l'Università Carolina di Praga. Ho conseguito un B.A. in Egittologia e Vicino Oriente Antico presso l'università di Oxford nel 2014, ed un Ph.D. in Egittologia presso la Brown University, USA. La mia tesi di dottorato si è focalizzata sull'evoluzione dell'imperialismo egiziano in Siria nel periodo della XVIII Dinastia e sul sistema diplomatico delle Lettere di Amarna. Durante il mio ultimo anno di Ph.D., ho insegnato storia dell'Egitto e del Vicino Oriente presso il Wheaton College Massachusetts, USA. Inoltre, la mia esperienza sul campo include volontariato presso lo Ashmolean Museum di Oxford nel 2013, missioni archeologiche in Turchia nel 2013 e 2015, ed uno stage al Museo Egizio di Torino nel 2016. La mia ricerca si concentra sul Nuovo Regno, l'imperialismo egiziano in Siria, le Lettere di Amarna, il periodo del Tardo Bronzo, e le interconnessioni tra Egitto, Vicino Oriente, e Mediterraneo.

CZECH INSTITUTE
OF EGYPTOLOGY
Faculty of Arts
Charles University

SAN MARINO

FRANCESCO ROSIELLO



H-Index:	4
Sede lavoro:	medis (San Marino)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	disaster medicine, medicina delle catastrofi, oper source intelligence, medical intelligence

Medico chirurgo dottorando di ricerca in Sanità Pubblica (con borsa) perfezionato in Direzione sanitaria di presidio ospedaliero e Disaster Management in Sanità Pubblica, Disaster Victim Identification e Open Source Intelligence I miei progetti di ricerca riguardano la difesa civile e la medicina delle catastrofi, con particolare attenzione verso le emergenze non convenzionali (CBRNe). Sono in possesso di certificazioni e brevetti IRC, ERC, FEMA, ALSG, WMS, oltre ad essere Operatore Internazionale ed Istruttore di Diritto Internazionale Umanitario abilitato all'insegnamento del Diritto Internazionale delle Catastrofi.

MEDIS
TANTUM HOMINES CONIUNGIT CULTURA

SINGAPORE



DINO ACCOTO

H-Index:	25
Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Biorobotica

Dr Dino Accoto is associate professor at the School of Mechanical and Aerospace Engineering, Nanyang Technological University (NTU), Singapore. Before this appointment, he held academic positions at Campus Bio-Medico University of Rome and Scuola Superiore Sant'Anna di Pisa. Dr Accoto graduated in Mechanical Engineering (with honors) from Universita' degli Studi di Pisa, as "allievo ordinario" of Scuola Superiore San'Anna (SSSA). In 2002 he received his PhD in Biomedical Robotics from SSSA, after a visiting period at Stanford University. His research interests are in the field of robotic technologies for the human well-being. He co-authored more than 120 full length papers and book chapters. He is the first inventor of 10 patent families, and the co-inventor of 13 patent families overall. He is also the co-founder of two spin-off companies. Currently, he is serving as member of the BoD of Heaxel, the company pioneering the field of Personal Rehabilitation Robotics.



ELEONORA ADAMI

Sede lavoro:	DukeNUS Medical School (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology

My name is Eleonora Adami and I am currently a postdoctoral research fellow at Duke-NUS. Here I have capitalized on the functional genomics expertise acquired during the PhD and have become more acquainted with the use of in vitro disease modelling systems in projects geared towards the identification and prioritization of actionable targets in cardiovascular disease. In general, every research experience has forged my self-motivation and flexibility and contributed to shape my interests in translational research on non-communicable diseases, with particular emphasis on cardiovascular and metabolic disorders. Indeed, I realized that what moves me is the idea that our work can help decipher complex traits and have a true impact on patients. While retaining a deep commitment to scientific endeavours, I try to get transversal knowledge and experience on fields that surround science and its impact on society, such as science communication through illustrations.



PAOLO ADRAGNA

H-Index:	103
Sede lavoro:	Fidessa Pte Ltd (Singapore)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 09 - Ingeg industriale e dell'informazione
ERC:	PE2 Fundamental constituents of matter

A software engineer and a physicist with twelve years of experience as a practitioner both in the financial services industry and in scientific research, my expertise spans from the production of application components enabling investment banks to access to stock and derivatives exchanges to the complexities of high-energy physics. Before moving to private sector, I spent ten years in research within international settings. My activity, carried out mainly for

the ATLAS collaboration at CERN's Large Hadron Collider, was characterised by the application of a blend of fundamental physics, data analysis, mathematical techniques and software design to the production of tools for data acquisition and online monitoring of experimental devices. My achievements are documented by a number of publications in international journals, and include the discovery of the Higgs boson which ultimately contributed to the awarding of the Nobel Prize in Physics 2013 to François Englert and Peter W. Higgs.



GIULIA ADRIANI

Sede lavoro: Principal Investigator (Singapore)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: LS6 Immunity & infection LS9 Applied life sciences & biotechnology

Giulia Adriani obtained her PhD in Biomedical and Biomechanical Engineering in 2012. During her PhD she was awarded the Interpolytechnic Doctoral School Fellowship and worked as Research Fellow at The Methodist Hospital Research Institute in Houston, Texas (USA). In 2012 she moved to Singapore and joined the National University of Singapore (NUS) and at the Institute of Molecular and Cell Biology (IMCB) to work on semiconductor nanorod used for ultrasensitive biodetection. Since 2013, she has been working at MIT's research center in Singapore (SMART) on multiple projects in the fields of biomedical engineering, microfluidics and tumour biology. Giulia joined the Singapore Immunology Network (SIgN, A*STAR) in 2019 as Principal Investigator and her main research interest is in 3D microfluidic multicellular systems to study cancer immunotherapy and tumor-immune system interactions. Giulia is also Adjunct Assistant Professor at NUS at the Department of Biomedical Engineering.



ORAZIO AIELLO

Sede lavoro: National University of Singapore (Singapore)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering
Keywords: Analog and Mixed-Signal Electronics, Microelectronics

ORAZIO AIELLO holds degrees from University of Catania, Italy (B.Sc., 2005 and M.Sc., 2008, both cum laude), from Scuola Superiore di Catania, Italy (M.Sc., 2009, cum laude) and from Politecnico di Torino, Italy (Ph.D., 2013). In 2008-2009, he worked at the EMC Competence Center of the Istituto Superiore Mario Boella (Turin, Italy). In 2012, he was Visiting PhD Student at Monash University. In 2013 he was part of a joint project with FIAT-Chrysler Automobiles, in 2014 he joined NXP Semiconductors as Mixed Signal IC Designer/EMC expert. In 2015-2016 he was Visiting Fellow at the University of Sydney and University of New South Wales. Since 2015 he has worked with the Green IC group at National University of Singapore where he is now a Marie Skłodowska-Curie Individual and Global Fellow (MSCA-IF-GF). His main research interests include the design for reliability of System Basis Chip front-ends in harsh environments, energy-efficient circuit design and mostly-digital sensor interfaces.



SALVATORE ALBANI

H-Index: 42
Sede lavoro: Professore a Direttore (Singapore)
SSD: 06 - Scienze mediche
ERC: LS6 Immunity & infection
Keywords: Immunoterapia

Academic Qualifications: 1985: Medical School and M.D. degree, Summa cum Laude University of Pavia, Italy 1989: Residency in Pediatrics and Board Certification in Pediatrics, Summa cum Laude European Union. 1995:Ph.D., in Molecular Basis of Pediatric Diseases, University of Pavia Current Position: Professor at Duke-NUS Medical School Director of the Translational Immunology Institute 2019-current: Founder, Ardion PTE LTD 2011 - 2013: Professor of Medicine, University of California San Diego 2010 - 2013: Professor, Director, Translational Research; IIDC, Sanford-Burnham Medical Research Institute 2008 - 2010: Professor of Medicine and Paediatrics, Director, Arizona Arthritis Center, University of Arizona 2006 - Date: Founder and President, Eureka Institute for Translational Medicine



MASSIMO ALIOTO

H-Index: 32
Sede lavoro: National University of Singapore (Singapore)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering
Keywords: circuiti integrati

Massimo Alioto (M'01-SM'07) received the Laurea (MSc) degree in Electronics Engineering and the Ph.D. degree in Electrical Engineering from the University of Catania (Italy) in 1997 and 2001. He is Professor at the Department of Electrical and Computer Engineering, National University of Singapore where he leads the Green IC group and the Integrated Circuits and Embedded Systems area. Previously, he was with the University of Siena, and Visiting Scientist at Intel Labs - CRL (Oregon) in 2013. In 2011-2012, he was Visiting Professor at University of Michigan, Ann Arbor. In 2009-2011, he was Visiting Professor at BWRC - University of California, Berkeley. His primary research interests include ultra-low power VLSI circuits, self-powered and wireless nodes, near-threshold circuits for green computing, energy-quality scalable and widely energy-scalable VLSI circuits and systems, self-learning circuits for sensing and sensemaking, circuit techniques for emerging technologies.



ADRIANO AMBROSI

H-Index: 45
Sede lavoro: Nanyang Technological University - Singapore (Singapore)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords: Electrochemistry, nanomaterials, 3D-printing, micromotors

Dr. Adriano Ambrosi received his PhD degree from Dublin City University (Dublin, Ireland) in 2007. As postdoc researcher, he firstly worked for two years at Catalan Institute of Nanoscience and Nanotechnology (ICN2, Barcelona, Spain) and then, in 2009, at the National Institute for Materials Science (NIMS, Tsukuba, Japan). Since 2010, he works at Nanyang Technological University (Singapore) as a Senior Research Fellow. His research interests include the application of nanomaterials to electrochemical biosensors; synthesis and fundamental electrochemical studies of graphene and other 2D materials for sensing and energy related applications; fabrication of electrochemical devices by additive manufacturing (3D-printing); fabrication and movement control of self-propelled nano/micro jets. He published over 110 articles, receiving more than 7000 citations for a citation h-index of 45. He has been recognized as 2018 Highly Cited Researcher by ClarivateAnalytics in the cross-field category.



FEDERICA ARMAS

Sede lavoro: Singapore MIT Alliance for Research and Technology (Singapore)
SSD: 05 - Scienze biologiche

ERC: LS9 Applied life sciences & biotechnology

I am an Italian Researcher with more than ten years of experience in the microbiology field, five of then in a BSL3 laboratory in Rome. I also worked at the University of Trieste and, actually, I am in Singapore. During these years, I had the opportunity to confront myself with different challenges regarding infections. My field of experiences refer to bacteria, from BSL3 to probiotics, cell cultures, molecular biology, and animal models. During my years of experience, I also worked on developing new drugs or components to fight bacteria and infections. In parallel to research activity, I mentored several students. During my last research period, I have been working with P. aeruginosa biofilm under microfluidic conditions. We are interested in developing nanoparticles able to penetrate inside of the biofilm. My main focus is continuing to investigate how to deliver better the common drugs in the site of infection.



SIMONA AZZALI

Sede lavoro: James Cook University (Singapore)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH3 Environment & society
Keywords: urban planning, urban design, tropical cities, Singapore, Gulf cities

Dr Simona Azzali is a lecturer and researcher in urban design at JCU Singapore where she coordinates the Master of Planning and Urban Design and teaches modules on planning and sustainable urbanism. She is a member of JCU's Tropical Urbanism and Design Lab, an interdisciplinary team of geographers, architects, sociologists and planners interested in tropical urbanism, and JCU's Centre for International Trade and Business in Asia (CITBA). Prior to commencing her appointment at JCU, she worked and researched for various renowned academic institutions as the National University of Singapore, UCL London, Politecnico di Milano, and Qatar University. Dr Simona Azzali's academic interests focus on urban planning and design of tropical cities; liveability and sustainability of public open spaces; walkability and pedestrianization; Spatial practices of migrant communities; environment-behaviour studies; mega sporting events and their impact on the built environment.



DANIELA BARGELLINI

H-Index: 65
Sede lavoro: Professor/Director (Singapore)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: chromatin, telomeres, structural biology, aging, cancer

Daniela Rhodes FRS[1] is a distinguished structural and molecular biologist. She was a senior scientist at the Laboratory of Molecular Biology in Cambridge, England,[4] where she worked, and later studied for her PhD[5] under the supervision of Nobel laureate Aaron Klug. Continuing her work under the tutelage of Aaron Klug at Cambridge, she was appointed Group Leader in 1983, obtained tenure in 1987 and was promoted to Senior Scientist in 1994 (equivalent to Full Professor). Subsequently, she served as Director of Studies between 2003 and 2006. She has also been Visiting Professor at both "La Sapienza" in Rome, Italy and the Rockefeller Universityin NY, USA.[6][7][8][9][10] •Elected a Fellow of the Royal Society (FRS) in 2007[1] •Elected member of EMBO as of 1996. •Elected member of Academia Europaea as of 2011. •She is a Fellow of Clare Hall, Cambridge.



ANDREA BARTOLINI

H-Index:	5
Sede lavoro:	Singapore ETH Centre (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	local energy communities; smart grids; digital twin;

Ricercatore Postdoc presso Singapore ETH Centre su temi riguardanti reti energetiche intelligenti e digital twins. Precendentemente studente PhD e successivamente ricercatore Postdoc presso DIISM (Dipartimento Ingegneria Industriale e Scienze Matematiche) Universita Politecnica delle Marche (Ancona) su tema planning sistemi energetici locali e local energy communities. Periodi come visiting PhD presso Energy Research Institute @ Nanyang Technological University (Singapore) e Department of Planning Aalborg University (Danimarca)



MARCO BATTIATO

Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

Marco Battiato is Nanyang Assistant Professor at the Nanyang Technological University, Singapore, which he joined in Nov 2017.



YURI BELOTTI

Sede lavoro:	Agency for Science, Technology and Research (A*STAR) (Singapore)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Bioinformatics, Microfluidics, Cancer research

I have 10-year experience in basic and translational science within academic institutions as well as in start-ups. Specifically, I've been collaborating with clinicians and biologists to solve real-life problems through the use of research methods and tools, and leading interdisciplinary teams to deliver impactful outcomes. This provided me with a strong interdisciplinary approach and strengthened my ability to communicate with professionals from different backgrounds. My experience in start-ups gave me the opportunity to work with excellent colleagues towards our common goal of constantly innovating our technologies and identifying potential areas of application and markets. In addition, I have been exposed to a number of other business aspects, such as: identification of funding opportunities, manufacturing, the establishment of scientific and business partners, product and business development, personnel selection, and equipment procurement.



ANTONIO BERTOLETTI

H-Index:	64
Sede lavoro:	Duke-Nus Medical School (Singapore)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	HBV, Immunoterapia

Antonio Bertoletti, MD is an expert of viral hepatitis and HBV-related liver cancer. His scientific carrier started at the University of Parma and he then worked in USA (Scripps Reach Institute and UK (UCL, London). In 2006 he moved to Singapore where he was the Director of Infection and Immunity Program at the Singapore Institute for Clinical Sciences (A*STAR) until 2013 before moving at the Emerging Infectious Disease Program at Duke-NUS Medical School. He was aware in 2013 and in 2019 of the Singapore Research Translational Award. His current research is focus on understanding the functional state of HBV-specific T and B cell response and on the development of new immunological based therapies (T cell receptor -redirected T cells) for the treatment of HBV and Hepatocellularcarcinoma. In 2015, he co-founded (Lion TCR pte (http://liontcr.com), a biotech company developing new immune based treatment for virus-related cancers (and chronic viral infections.



NICOLA BIANCHI

H-Index:	110
Sede lavoro:	ambasciata d'Italia (Singapore)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	fisica nucleare, fisica subnucleare, rivelatori di particelle, diplomazia scientifica

2019 - oggi Ambasciata Italiana, Singapore : Addetto Scientifico 2014 – 2018 DGSP - MAECI, Roma : Esperto Scientifico Membro Council SESAME in Giordania 2006 – oggi INFN - LNF : Dirigente di Ricerca Resp. Naz. e vice Internaz. EMCal-CERN (Ginevra) Resp. LNF Council Board ALICE-CERN (Ginevra) 1995 - 2005 INFN - LNF: Primo Ricercatore Resp. Naz. HERMES (Amburgo). Resp. Internaz. PAN (Bonn). Membro Comm. Naz. III INFN. Coord. Gruppo di Fisica Nucleare LNF. Coord. di 2 WG HERMES (Amburgo). 1988 - 1994 INFN - LNF : Ricercatore Resp. Internaz. ASSO (LNF). INOLTRE: Presid. Nuclear Physics Division Board - European Physical Society Presid. Comitato premio Lise Meitner Membro Internaz. Adv. Comm. LHeC(CERN) Membro Program Adv. Comm. TJNAF(USA) Editore di European Physical Journal A Membro dell'Edit. Board HERMES (Amburgo) Referee per DoE(USA), CNRS e ANR(Francia), FNRS(Belgio) e INFN(Italia) e vari riviste scientifiche.



ALESSANDRA BONANNI

H-Index:	32
Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Analytical Chemistry, Material Science, Biosensors

Alessandra Bonanni received her Ph.D. from Universitat Autonoma de Barcelona (Barcelona, Spain). She then moved to Japan as a Postdoctoral Research Associate at the National Institute for Materials Science in Tsukuba. Currently, she is Senior Lecturer at Nanyang Technological University (NTU), Singapore. Her research interest is focused on the use of

novel nanomaterials for the development of electrochemical devices for food analysis and biomedical applications. She has published over 70 peer-reviewed articles and has an h-index of 32.



ALESSANDRA CALVI

Sede lavoro:	Founder (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

PhD Cell Biology, UCL LMCB (2008) Research Fellow, King's College London (2009) Senior Research Fellow, IMB-A*STAR (2009-2018) Founder Imagenscience, platform for the R&D space (2018- present)



ERIK CAMBRIA

H-Index:	80
Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	artificial intelligence, natural language processing

Erik Cambria is the Founder of SenticNet, a Singapore-based company offering B2B sentiment analysis services, and an Associate Professor at NTU, where he also holds the appointment of Provost Chair in Computer Science and Engineering. Prior to joining NTU, he worked at Microsoft Research Asia (Beijing) and HP Labs India (Bangalore) and earned his PhD through a joint programme between the University of Stirling and MIT Media Lab. His research focuses on the ensemble application of symbolic and subsymbolic AI to natural language processing tasks such as sentiment analysis, dialogue systems, and financial forecasting. Erik is recipient of many awards, e.g., the 2019 IEEE Outstanding Early Career Award, he was listed among the 2018 AI's 10 to Watch, and was featured in Forbes as one of the 5 People Building Our AI Future. He is Associate Editor of several journals, e.g., INFFUS, IEEE CIM, and KBS, Special Content Editor of FGCS, Department Editor of IEEE Intelligent Systems, etc.



DOMENICO CAMPOLO

Sede lavoro:	Nanyang Technological University (NTU) (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics PE7 Systems & communication engineering
Keywords:	Robotics

Domenico Campolo is currently Associate Professor at the School of Mechanical and Aerospace Engineering and Director of the Robotics Research Centre, Nanyang Technological University (NTU), Singapore. He received his Laurea Degree (1998) in Electronics Engineering from the University of Pisa, Italy, and his PhD (2002) in Micro-Engineering from Scuola Superiore Sant'Anna, Pisa. In 2000–2003, he was at UC Berkeley (USA). His research interests hinge around the understanding of the mechanisms behind human and animal skills, also for possible transfer to robotic platforms. To this end, his work has been focusing on the development of Robotic platforms for Neuroscience, especially in relation to the sensorimotor domain and human-robot physical interaction; Mechatronic technologies with application to

Neuro-Developmental Engineering; Biomimetic Robotics including development of biologically inspired actuators and sensors.



BEATRICE CASSOTTANA

Sede lavoro:	National University of Singapore (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	resilience, recovery

Beatrice is a PhD researcher in the Department of Industrial Systems Engineering and Management at the National University of Singapore. She joined the Future Resilient Systems programme in January 2016 to develop a quantitative tool to assess resilience. The methodologies she uses to evaluate system resilience include system modelling, data analysis, and statistical inference. She is currently working on modelling the recovering behaviour of an infrastructure system subjected to severe disruptions (e.g. natural hazards) with the purpose of inferring its resilience characteristics. She previously obtained a bachelor and master degree in Industrial Engineering in Politecnico di Milano. During her master, she enrolled in a double degree programme with Erasmus Mundus in Industrial Management, jointly offered by Universidad Politecnica de Madrid, Politecnico di Milano, and Heriot-Watt University in Edinburgh.



SANDRO CAVALLARI

Sede lavoro:	PayPal (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics

I'm a machine learning researchers mostly focusing on Graph Embedding and Graph Mining. As main PhD thesis I mostly focus on learning meaningful representations of communities as well as vertexes present in a graph. Due to this, I brought significant contribution in the rising field of graph embedding and graph convolutional neural network



FRANCESCO CAVALLARO

H-Index:	10
Sede lavoro:	Associate Professor (Singapore)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche 14 - Scienze politiche e sociali
ERC:	SH3 Environment & society SH4 The Human Mind and its complexity SH5 Cultures & cultural production
Keywords:	Linguistica, sociolinguistica, lingue minoritarie

Francesco Paolo Cavallaro Associate Professor, Linguistics and Multilingual Studies Head, Centre for Modern Languages School of Humanities Nanyang Technological University 1998 Ph.D. Linguistics, Monash University 1988 Master's Preliminary (Honours), Bachelor of Arts, La Trobe University July 2014 – CurrentHead, Centre for Modern Languages, NTU April 2010–currentAssociate Professor (Tenured) in Linguistics, Division of Linguistics and Multilingual Studies, NTU Jul 2007–March 2010Assistant Professor in Linguistics, Division of Linguistics and Multilingual Studies, NTU Research Interests Sociolinguistics and the social aspects of bilingualism, especially of minority groups in multilingual contexts

Selected publication Cavallaro, Francesco (2010). Transgenerational language shift: From Sicilian and Italian to Australian English. The Italian Australian Institute. Melbourne,Australia: La Trobe University. Total of SG$1,031,682 in research funding as PI or Co-PI



ERICA CECCARELLO

H-Index: 6
Sede lavoro: A*STAR (Singapore)
SSD: 06 - Scienze mediche
ERC: LS6 Immunity & infection
Keywords: Immunotherapy

2015-2019 PhD in Microbiology and Immunology, NUS, Singapore. 2009-2011 Master's degree in Medical Biotechnology, University of Milan. 05/2019-present: Institute of Molecular and Cell Biology, Singapore. 2014: Singapore Institute for Clinical Sciences. 2012–2014: University of Milan, Italy. Lee SWL, Adriani G, Ceccarello E, Pavesi A, Tan AT, et al. Characterizing the Role of Monocytes in T Cell Cancer Immunotherapy Using a 3D Microfluidic Model. Front Immunol. 2018 Patent application: IMC/P/09724/00/SG Kah J, Koh S, Volz T, Ceccarello E, Allweiss L, et al. Lymphocytes transiently expressing virus-specific T cell receptors reduce hepatitis B virus infection. JCI Invest. 2017. Tan-garcia A, Wai LE, Zheng D, Ceccarello E, Banu N, et al. Intrahepatic CD206+ macrophages contribute to inflammation in advanced viral-related liver disease. J Hepat. 2017



MARTINA CECCHINI

Sede lavoro: Singapore-ETH Centre (Singapore)
SSD: 13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC: SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour SH3 Environment & society

Martina Cecchini è una ricercatrice nell'ambito dell'economia comportamentale. Dal 2015 persegue il dottorato al Singapore-ETH Centre, il centro di ricerca a Singapore di ETH Zurigo. La sua ricerca si focalizza sull'impatto di shock ambientali (ondate di calore o di inquinamento) sul consumo di energia. Ha conseguito la laurea triennale in Scienze Politiche all'Università La Sapienza di Roma, e la laurea specialistica in Economia all'Università di Torino. Dal 2014 al 2015 ha svolto un tirocinio presso l'ufficio Borsa elettrica e Dispacciamento di Iren, compagnia multiutility italiana.



DANIELE CICUZZA

H-Index: 15
Sede lavoro: Universiti Brunei Darussalam (Singapore)
SSD: 05 - Scienze biologiche
ERC: LS8 Evolutionary, population & environmental biology
Keywords: Botanica, Ecologia, Conservazione, BioMeccanica

I graduated at La Sapienza, Rome, and obtained a PhD at the University of Zurich, followed with as post doc at Natural History Museum, London UK, and a second post doc at the Xishuangbanna Tropical Botanical Garden, Yunnan, China. After China I got a position, as Assistant Professor, at the University of Brunei Darussalam, where I am also curator of the Botanic Garden. I am specialized in tropical botany, conservation and plant taxonomy; editorial board member of two scientific journals and member of the Flora Malesiana Foundation. My research focus on ferns species. Ferns have

colonized the land for over 300 millions years therefore understanding their distribution in relation to the multitude of environmental factors allow us to better protect them in the climate change scenario. In their long history they have evolved numerous adaptation that can be used to solve our modern problems. I this line I work on the bio-mechanics of fern leaves and bio-inspiration.



MASSIMILIANO COLLA

Sede lavoro:	SUTD (Singapore)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Atomic physics, laser physics

Lecturer in Physics 2013-present at the Singapore University of Technology and Design Instructor in Physics 2008-2013 National University of Singapore Postdoc researcher 2007-2008 Centre for Quantum Technologies, National University of Singapore Areas of interest: renewable energy, water production and management, atomic physics, chaos theory



SIMONE CORNAGO

Sede lavoro:	SIMTech - Singapore Institute of Manufacturing Technology (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Life Cycle Assessment

JOBS: • August 2019 – present, Singapore: PhD student @ SIMTech, A*STAR. • May 2017 – July 2019, Milan, Italy: Research Fellow @ CNR- STIIMA. • March 2019 – July 2019, Milan, Italy: Teaching Assistant @ Politecnico di Milano for 2 MSc courses. EDUCATION: • August 2019 – present, Singapore: PhD student @ National University of Singapore, Mechanical Engineering Department. • March 2014 – December 2016, Milan Italy: MSc in Environmental and Land Planning Engineering @ Politecnico di Milano • August 2013 – December 2013, São Carlos, Brazil: Attended 6 courses taught in Portuguese @ EESC - São Carlos Engineering School, Universidade de São Paulo • November 2015 Athens Programme @ Universidad Politécnica de Madrid. • September 2010 – March 2014, Milan Italy: BSc in Environmnental and Land Planning Engineering @ Politecnico di Milano



ALBERTO CORRIAS

H-Index:	13
Sede lavoro:	National University of Singapore (Singapore)
SSD:	01 - Scienze matematiche e informatiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE1 Mathematical foundations

Dr Alberto Corrias is an Associate Professor with the Department of Biomedical Engineering at the National University of Singapore (NUS), where he serves as Deputy Head (Education). Alberto obtained a 5-year Laurea degree in Biomedical Engineering from Politecnico di Milano in 2002. He then worked as product specialist for a medical device manufacturer (AstraTech, AstraZeneca). He moved to Singapore in 2004, after having secured a PhD scholarship from NUS. He completed his PhD in Bioengineering at NUS (Yong Loo Lin School of Medicine) in 2008. He then joined Oxford University (UK) as a post-doctoral fellow for a period of two years before returning to NUS as a lecturer. Alberto has published

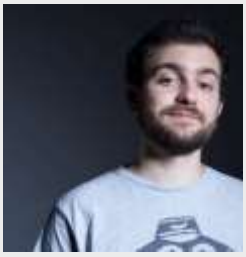
extensively in the field of computational modelling applied to medical problems, focusing on the heart and the gastrointestinal tract. He is a very keen educator: after having won several teaching awards over the years, he was inducted as a Fellow of the NUS Teaching Academy.



ANDREA CREMASCHI

Sede lavoro:	ASTAR (Singapore)
SSD:	01 - Scienze matematiche e informatiche 06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE1 Mathematical foundations
Keywords:	Statistics, Bayesian methods, Statistical modelling, Biostatistics, Applied statistics

My research interests include both methodological and applied aspects of Statistics, particularly within the Bayesian framework. One of my main interests is Bayesian nonparametrics, and the use of flexible models for inference in scenarios where the data present peculiar features. Recently, I have focused on modelling data presenting deviations from standard assumptions (e.g., normality, homogeneity) with sparse dependency structure and group-specific dependencies, aiming at the flexible inclusion of mixed-type covariates into the analysis. These features are often encountered in biomedical studies, due to the complex phenomena typically investigated, representing an ideal field of application for my research. I am currently focusing on such applications and on the implementation of advanced, often semi-parametric, Bayesian models. In particular, I am involved in the study of large longitudinal cohorts.



GIUSEPPE D'AGOSTINO

H-Index:	11
Sede lavoro:	Lee Kong Chiang School of Medicine (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	bioinformatics, genomics, neurodegenerative diseases, neurodevelopment

Experimentalist turned computational biologist, interested in functional genomics and computational biology (methods development and data analysis) for neurodegenerative and neurodevelopmental disorders, data visualization and philosophy of science.



MARIA DE IORIO

Sede lavoro:	National University of Singapore (Singapore)
SSD:	01 - Scienze matematiche e informatiche 13 - Scienze economiche e statistiche
ERC:	PE1 Mathematical foundations

Maria De Iorio is Professor at Yong Loo Lin School of Medicine, NUS and Professor of Biostatistics in the Department of Statistical Science at University College London (UCL), London. She is also Principal Investigator at the Singapore Institute for Clinical Sciences, at Agency for Science, Technology and Research (A*STAR). She obtained her undergraduate degree in Economics from Bocconi University, Italy, and her MSc and PhD in Statistics from Duke University, USA. Then she

joined the Mathematical Genetics group of the University of Oxford as a postdoctoral research assistant. In 2003, she moved to Imperial College London, working first as a lecturer and then a senior lecturer. In September 2011, she joined the statistics group at UCL. She joined Yale-NUS College in August 2018 and then moved to NUS. Professor De Iorio has extensive expertise in Bayesian statistics, Bayesian nonparametrics, biostatistics & computational methods.



ROBERTO DILLON

H-Index:	8
Sede lavoro:	James Cook University (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	SH4 The Human Mind and its complexity PE6 Computer science & informatics
Keywords:	serious games, health, affective computing, AI, gamification

Genovese, Roberto Dillon si trasferisce a Singapore a fine 2004 e, nel corso degli anni, occupa posizioni di rilievo in diversi istituti della citta'-stato, da Ricercatore per la Nanyang Technological University a Direttore del Dipartimento di Game Design del DigiPen Institute of Technology. È' 'Principal Investigator' in progetti finanziati dalla National Research Foundation di Singapore e ha scritto cinque libri sullo sviluppo e sulla storia dei videogiochi pubblicati da AK Peters, CRC Press, Springer e Universitalia, tra cui "Ready. Il Mondo del Commodore 64". Dal 2012 è Professore Associato alla James Cook University dove, oltre ad insegnare game design, ha fondato e dirige il primo museo interamente dedicato alla storia dei videogiochi nel Sud-Est asiatico. E' attivo in progetti di ricerca interdisciplinari spesso all'incrocio tra informatica e scienze cognitive e relativi a "serious games for health" e "affective computing".



GIANLUCA GRENCI

H-Index:	24
Sede lavoro:	Mechanobiology Institute, National University of Singapore (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis
Keywords:	Micro-nano fabbricazione, microfluidica, spettroscopia IR, microscopia ottica

Short Profile: • 9 Years of experience as head of micro/nano fabrication core at MBI-NUS . • 75+ research papers published, 4 patents and 160+ h of teaching in the field of applied nano-technology. • Problem oriented design, fabrication and commercialization of micro-devices for biological applications • Expert in micro-optics for biology • Expert in micro-fabrication for Infra-red spectro-microscopy and its application to biology • 6 years' experience in Synchrotron light related spectroscopic techniques (SAXS, FTIR) and in design and fabrication of X-ray optics. Work Experience: July 2017 - Present: Research Assistant Professor at Biomedical Engineering Department, NUS (Singapore) Aug 2012 - Present: Managing Director of Nano-fabrication core facility at MBI, NUS (Singapore) May 2006- Aug 2012: Post-Doc and Scientist at CNR-IOM, Trieste (IT)



ENRICO GUARNERA

H-Index:	12
Sede lavoro:	Bionformatics Intitute BII - ASTAR (Singapore)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche 05 - Scienze biologiche

ERC:	LS1 Molecular & Structural Biology & Biochemistry PE3 Condensed matter physics
Keywords:	biologia strutturale, bioinformatica, biologia computazionale, biofisica computazionale, machine learning, data science, matematica applicata

I am Senior Research Scientist at the Bioinformatics Institute ASTAR, Singapore. Theoretical physicist by training, I develop physics based models and data science methods to investigate complex problems in computational and structural biology. Allostery is among my current research interests. I particularly interested in the modeling of causality and energetics of protein allosteric communication for the prediction of allosteric sites and the design of allosteric response for drug development. I am also interested in data science, in particular in Markov State Modeling as a machine learning tool for the characterization of protein functional dynamics and, more generally, the analysis of multidimensional time-dependent data. I am more recently worked on the development of methods based on the Markov State Model approach for the analysis of Chromatin Hi-C big-data aimed at the characterization of genome organization, its epigenetic determinants and three-dimensional reconstruction.



VALERIO ISONI

Sede lavoro:	Institute of Chemical and Engineering Sciences (A*STAR) (Singapore)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Process Chemistry, Green Chemistry, Process Development

Team leader of the chemical processing activities in the Institute of Chemical and Engineering Sciences (A*STAR), with a background in synthetic organic chemistry and interest in process development, process chemistry, green chemistry and continuous processing. Awarded in 2017 with a grant from the GSK-EDB Trust fund for Greener and more Sustainable Manufacture. Focus on exploring and evaluating water-based chemical processes for Pharma in comparison to organic solvent-based processes. Topics of interest: Process Development, Organic chemistry, Green Chemistry at scale, Sustainability, Batch to Continuous, Mechanochemistry, Process intensification.



CECILIA LASCHI

H-Index:	48
Sede lavoro:	National University of Singapore (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering PE8 Products & process engineering
Keywords:	Robotics, Soft Robotics

Cecilia Laschi is Professor at National University of Singapore, Dept. Mechanical Engineering. She is on leave from Scuola Superiore Sant'Anna, Italy, The BioRobotics Institute (Dept. of Excellence in Robotics & AI). She graduated in Computer Science at Univ. of Pisa and received Ph.D. in Robotics from Univ. of Genoa. She was JSPS visiting at Waseda Univ. in Tokyo. Her research is in soft robotics, an area she pioneered internationally, and its marine and biomedical applications. She has worked in humanoid and neuro- robotics. She is Editor-in-Chief of Bioinspiration & Biomimetics (Jan.'22) and serves in the Editorial Board of Science Robotics, IEEE RA-L, and other journalas, ands evaluator for EC (incl. ERC), HFSP and national research agencies. She is senior member of IEEE, EMBS and RAS, where she is AdCom member and founding co-chair of TC on Soft Robotics. She founded and chaired the 1st IEEE-RAS Int. Conf. on Soft Robotics. She co-founded the spin-off RoboTech srl.



FEDERICO LAURO

H-Index:	32
Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology

A/Prof. Federico M. Lauro 2014 – current: Associate Professor, SCELSE, NTU 2015 – current: Associate Chair, Asian School of the Environment, NTU Employment History: 2012-2014 ARC – DECRA Fellow, UNSW, Australia 2009-2012 Vice-Chancellor Postdoctoral Fellow, UNSW, Australia 2007-2009 Postdoctoral Research Fellow, UNSW, Australia Academic qualifications: September 2007PhD in OceanographyUniversity of California, USA May 2000MSc in BiologyUniversity of Padua, Italy Scientific Awards: 2018 Best Research Award, 9th International Conference on Bioinformatics Models, Methods and Algorithms 2015 The Explorers Club – Lowell Thomas Award - Visionaries of Conservation: Paradigm Shifts in Protecting the Planet 2006 Best Poster Award, 3rd International Conference on Metagenomics 2006 Best Poster Award, 14th International Meeting on Microbial Genomes 2000 “Ermanno Bellio” prize for best thesis in Marine Biology



DAVIDE LOMANTO

H-Index:	32
Sede lavoro:	National University of Singapore (Singapore)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Chirurgia Generale

Davide LOMANTO, MD, PhD, FAMS (surg), FACS, FRCS Edin (hon, is Professor of Surgery, National University of Singapore; Director Minimally Invasive Surgical Centre, National University Hospital (NUH); Director Advanced Surgery Training Centre (ASTC), National University of Singapore. He is the Secretary-General, Past-President of the Endoscopic & Laparoscopic Surgeons of ASIA (ELSA), Advisory President Asia Pacific Hernia Society (APHS). Past-President Asia-Pacific Metabolic and Bariatric Surgery Society (APMBSS), President of Asia Endoscopic Task Force (AETF)and Secretary General/Treasurer International Federation of the Societies of Endoscopic Surgeons (IFSES). Honorary Membership of Endolaparoscopic Surgical Societies of: Japan (JSES), India (IAGES), Indonesia (PBEI, PERHERI), Philippines (PCS, PALES), Thailand (RCST) and Royal College of Surgeons of Edinburg. Knighthood by the Italian Government on 26 December 2009



ALESSANDRO LUONGO

Sede lavoro:	cat (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	quantum computing

I am a researcher in quantum computing. I develop quantum algorithms for machine learning and financial applications. After a PhD at IRIF (Paris) and experience in a multinational company, I am a research fellow in the Centre for Quantum Technologies, a laboratory of the National University of Singapore. Before that, I was working as a security expert, mostly in the TLC sector, with dozen of talks in Italian security conferences. I created https://quantumalgorithms.org



MASSIMO LUPASCU

H-Index:	13
Sede lavoro:	National University of SIngapore (Singapore)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	biogeochimica del suolo, ciclo del carbonio, gas ad effetto serra

Since 2015, Massimo Lupascu has been an Assistant Professor in Physical Geography at the Department of Geography, National University of Singapore. His research focus on the effects of land-use change (such as fire and plantations expansion) and climate change on the carbon cycling of tropical peatland forests. To monitor and predict changes in the cycling of C in peatland ecosystems, he applies field observations from natural soil and experiments using a variety of biogeochemical tools. While his work seeks to improve our understanding of peatland ecosystem functioning from a more biogeochemical angle, he is also trying to find new solutions (eg. agroforestry and paludiculture) also in a broader context that goes beyond climate change mitigation strategies but includes also food security. So far, his research activities have been concentrated in the peatland forests of Brunei, Malaysia and Indonesia.



PAOLA MAGNI

Sede lavoro:	Murdoch University (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	forensic science

Paola Magni is a forensic biologist with a key focus on the application of natural sciences (entomology, taphonomy and aquatic biology) to crime scene investigation. She has been involved as expert witness in cases of homicide, suspicious death, animal cruelty/wildlife, food security in Italy and Australia; she is the authors of several peer reviewed research conducted in Italy, Australia and USA; she is a forensic science senior lecturer and deputy dean at Murdoch University (Perth and Singapore). She is the developer of “SmartInsects – Forensic Entomology”, the smartphone App designed to facilitate the work of law enforcement agencies and pathologists at crime scenes, and “VirtualCSI”, the VR suite to train forensic practitioners. Paola is a science communicator involved extensively with different media platforms. In particular, Paola is known as “The Bug Whisperer”, after a SBS podcast. Furthermore, she is TEDx speaker and the FameLab2019 Australian winner.



GIUSEPPE MANAI

Sede lavoro:	n/a (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	data science, artificial intelligence, machine learning, forecasting,

- Stemly: CDSO / COO : 2018 - present - Singapore - Yale NUS: Part time lecturer - Applied Data Science 2020 - present - Singapore - DataSpark: Director of Data Science and Product - 2012-2018 - Singapore - SAS Institute: Senior Analytics Consultant 2011-2012 - Singapore - Irish Revenue Authority - Statistician - 2008-2011 - Dublin Ireland - Post Doc in Physics - Trinity College Dublin - 2006-2008 - Dublin Ireland - PhD in Physics - Trinity College Dublin - 2001 - 2006 - Dublin Ireland



FRANCESCO MANCINI

Sede lavoro:	National University of Singapore (Singapore)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Affari Internazionali

Francesco Mancini is Associate Dean & Co-Director (Executive Education) and Associate Professor in Practice at the Lee Kuan Yew School of Public Policy, National University of Singapore, as well as an Adjunct Associate Professor at Columbia University's School of International and Public Affairs (SIPA). He is also a Non-resident Senior Adviser at the International Peace Institute (IPI), a member of the Research Committee of the Institute for Economics & Peace (IEP) in Sidney, an Honorary Fellow at the National University of Singapore's Middle East Institute (MEI), and a member of the Editorial Board of the journal Peacebuilding. Francesco has over 20 years of experience in conflict resolution, policy analysis and teaching in international security, covering primarily the Middle East and Southeast Asia. He has worked for over 10 years in and around the United Nations and in think tanks in New York, providing tailored briefings to governments around the world on conflict resolution.



ENRICO MARSILI

H-Index:	21
Sede lavoro:	Singapore Centre for Environmental Life Sciences Engineering (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE4 Physical & Analytical Chemical sciences PE8 Products & process engineering
Keywords:	Biofilms, corrosione, bioelettrochimica

Dr. Marsili has 16 years of research experience in biofilm and electrochemistry. He worked at University of Minnesota, USA, on biofilm structure and function and contributed to develop electrochemical biofilm characterization. In 2012, he moved to SCELSE-NTU, Singapore, and established research facilities for biofilm electrochemistry. Dr. Marsili has been a principal investigator in the National Centre for Sensor Research (Dublin City University, Ireland) from 2009 to 2014. He has been awarded a Marie Curie International Reintegration Grant (2008-2012), industrial funding from Utilities Company (2013-2016) in Singapore, and funding from several Research Funding Agencies in Ireland and Singapore. In 2019, he joined the Department of Chemical and Materials Engineering at Nazarbayev University, Kazakhstan, where is building a small research group in Biofilms, Biosensors and Microbially Influenced Corrosion. Publications: https://publons.com/researcher/1180451/enrico-marsili/publications/



GIANFRANCO MATTEUCCI

Sede lavoro:	Marks & Clerk Singapore LLP (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology

Gianfranco is a registered Singapore patent attorney, has passed the European and Italian Patent Attorney examinations and is a European and Italian Trade mark Attorney. Gianfranco specialises in biotechnology, chemistry, pharmaceuticals, plant varieties, biomedical devices, nanotechnology and composite materials. Having entered the patent profession in

1992, Gianfranco practiced in Italy for about seven years representing pharmaceutical, chemical and biotechnological companies as well as Research Institutions and Universities. Gianfranco spent five years in Japan, including four years working for the Intellectual Property department of RIKEN, a government-funded research institute, mainly working in the Japanese language. Gianfranco graduated with a Laurea in Biological Sciences from the University of Rome, La Sapienza. During his time at the University, he spent about six years carried out extensive research in the field of metabolism of cholesterol.



STEFANO MAZZONI

H-Index:	4
Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Gas Turbine, Combined Cycle, Thermodynamic, Concentrated Solar Power, Smart Grid, Optimization, Modeling.

Dr. Stefano Mazzoni took Ph.D. in Mechanical & Industrial Engineering at the Roma Tre University in 2014. Dr. Mazzoni expertise is related to the optimization and the modeling of energy conversion systems. He worked under H2-IGCC and OMSoP European Projects, realizing the plant simulator for a 500 MWe Gas Turbine Combined Cycle and for a 10 kWe Micro Gas Turbine based Concentrated Solar Plant. Dr. Mazzoni has been a professor at Roma Tre University teaching Machine and Thermodynamic Applied on Machines, at Master Degree classes. Since July 2016, Dr. Mazzoni works as a Research Fellow at Nanyang Technological University – Singapore, under the Smart Multi-Energy System (SMES) project. Recently, Dr. Mazzoni together with Prof Romagnoli has founded the Start-Up company 'Energy Smart Solutions'. During the years, Dr. Mazzoni has worked as a consultant for companies such as SHELL and the Italian Authorities for Green Market Certifications.



GIANMARCO MENGALDO

Sede lavoro:	National University of Singapore (Singapore)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

Dr Gianmarco Mengaldo joined the NUS Department of Mechanical Engineering as an assistant professor in 2020. He received his BSc and MSc in Aerospace and Aeronautical Engineering from Politecnico di Milano (Italy), and his PhD in Aeronautical Engineering from Imperial College London (United Kingdom). After his PhD he undertook various roles both in industry and academia. Dr Mengaldo's primary research area is computational science within the context of multidisciplinary applications that arise in engineering and applied science. His main research interests involve (i) the development of high-fidelity simulations tools for multi-physics problems, (ii) the development of data-mining technologies for the systematic identification of coherent patterns in highly unstructured datasets, and (iii) the use of machine learning and statistical tools to predict the behavior of complex systems. Dr Mengaldo's main application areas include engineering, weather and climate, and finance.



FABIO MICHELET

Sede lavoro:	CellVec (Singapore)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders LS6 Immunity & infection
Keywords:	Stem Cells; Retina, Hematology, Oncology, Car-T, Immunotherapy, Lentiviral vectors, genetic Engineering

CURRENT POSITION CellVec – Singapore, 2019 – to date Cellular Process Scientist – Research and Development Production of custom viral vectors for pre-clinical and clinical applications. GMP manufacturing of gene transfer vectors. WORK EXPERIENCE Singapore Eye Research Institute (SERI)– Singapore 2017 – 2019 Postdoctoral fellow Study of complement activation in age-related macular degeneration (AMD) using embryonic stem cells derived retinal cells Genome Institute of Singapore – Singapore 2014 - 2017 Postdoctoral fellow - Advisor: Dr Lawrence Walter Stanton Differentiation of ES/iPS derived retinal progenitors and mature retinal pigmented epithelium for the study of age-related macular degeneration (AMD) Université Paris Descartes – Paris, France 2009 – 2013 PhD in Haematology and Oncology – Advisor: Dr Evelyne Lauret - Study of the role of RNA binding proteins and their associated gene networks in human and murine Hematopoietic Stem Cells maintenance



MIRCO MILLETARI'

Sede lavoro:	Data and machine learning scientist (Singapore)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	Deep Learning, AI, Statistical Mechanics, Neural Networks

I have obtained a Bsc and Msc in Physics from the university of Roma Tre (Italy) with a thesis on spin transport in disordered systems. I then moved to the Max Planck Institute for Solid state research (Stuttgart, Germany) where I studied interacting electron systems, topological states of matters and their application to quantum computing. The Phd was awarded from the University of Leipzig (Germany). I continued studying strong correlations and disorder effect in low dimensions at the Centre for Advanced two dimensional material of the National University of Singapore (Singapore). Currently I am data and machine learning scientist at Microsoft Singapore.



ANDREA NANETTI

H-Index:	6
Sede lavoro:	Nanyang Technological University Singapore (Singapore)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity SH6 The study of the human past PE6 Computer science & informatics
Keywords:	historical sciences, heritage sciences

Dr Andrea Nanetti's internationally recognised scholarly and entrepreneurial career as a historian by education showcases how history can be made present and relevant not only for scholars but also to support economic development. He has been trained within a comprehensive multidisciplinary combination of humanities, mathematical, physical, and computational sciences in different languages and countries. This diverse and long-lasting learning experience contributed to creating an interprofessional profile able to discover new knowledge and opportunities with,

from and about multidisciplinary collaborations and to approach complex challenges with both imagination and method. Dr Nanetti is an icon of global interdisciplinary research. His award-winning signature research project, Engineering Historical Memory (EHM), demonstrates how a traditional discipline such as history can fully enter the digital age.



GIORGIA PASTORIN

Sede lavoro:	National University of Singapore (Singapore)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Nanomedicine, drug delivery

vedere allegato

ANDREA PAVESI



H-Index:	14
Sede lavoro:	A-Star (IMCB) (Singapore)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Immunotherapy and cell therapy, Biomaterials, Lab-on-a-chip, Mircrofabrication, Cancer in-vitro models; Drug screening platforms; Tissue Engineering; Lab-to-Market strategy/implementation

I am an entrepreneurial scientist with Ph.D. in Biomedical and Biomechanical Engineering, experience in a wide spectrum of biotechnologies from microfluidic devices, biomaterials, cell therapy and cancer immunotherapy. I am currently co-founder of a start-up company (AIM Biotech), which went from bench to market in only 2 years. To bridge the gap between academia and industry I've obtained a Master in healthcare management and gained insights into the healthcare and biotech markets with the aim of applying my skills and business experience to improve the research outcomes. I'm an excellent communicator with track-record of invited talks at international conferences and media coverage (Forbes, MIT technology review, Start-up magazines and Straits Times).



MAURIZIO PELEGGI

H-Index:	10
Sede lavoro:	NUS (Singapore)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Thailandi

Maurizio Peleggi is professor of cultural history at the National University of Singapore, where he has been teaching since 1998. He has published widely on the cultural history of Thailand, including the books Monastery, monument, museum: Sites and artifacts of Thai cultural memory (Honolulu, 2017), Thailand: The worldly kingdom (London, 2007), Lords of Things: The fashioning of the Siamese monarchy's modern image (Honolulu, 2002), The politics of ruins and the business of nostalgia (Bangkok, 2002), and as editor volume A sarong for Clio: essays in the intellectual and cultural history of Thailand (Ithaca, NY, 2015). His articles have appeared in, among others, Modern Asian Studies, Journal of

Social History and Journal of Social Archaeology. From 2010 to 2016, he was the editor of Journal of Southeast Asian Studies.

DR FRANCESCO PERONO CACCIAFOCO



H-Index:	9
Sede lavoro:	Nanyang Technological University (NTU), School of Humanities (SoH), Linguistics and Multilingual Studies Programme (LMS), Singapore (Singapore)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Historical Linguistics; Etymology; Cryptology; Linear A and Linear B Writing Systems; Language Deciphering

Dr Francesco PERONO CACCIAFOCO (Ph.D. University of Pisa, Pisa, Italy, 2011) is, currently, a Senior Lecturer in Historical Linguistics at the Linguistics and Multilingual Studies Programme (LMS), School of Humanities (SoH), College of Humanities, Arts, and Social Sciences (CoHASS), Nanyang Technological University (NTU), Singapore, where he teaches Historical Linguistics, Etymology, Language and Oral Tradition, Historical Semantics, and History of Cryptography. At SoH, he is also the Latin Language Lead Coordinator at the Centre for Modern Languages (CML), where he teaches Latin Language. His Research interests are mainly focused on Historical Linguistics and Etymology, Historical Toponomastics, the study of Aegean Civilizations, the documentation and description of languages from South-East Asia, and Cryptology and Crypto-Linguistics (Language Deciphering). At NTU, SoH, LMS, he has also been a Post-Doctoral Research Fellow in Linguistics. He has published around 100 Research works.

ENRICO GIUSEPPE PETRETTO



H-Index:	36
Sede lavoro:	Duke-National University of Singapore (NUS) Medical School (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS7 Diagnostic tools, therapies & public health
Keywords:	Genetics, Systems Biology, Drug Target Discovery

I have obtained my BSc degree in Physical Chemistry in 1998 and then moved into computational modeling, specializing in statistical genetics and functional genomics during my MSc in 2000 and then during my PhD (awarded in 2003). In 2009, I become Senior Lecturer at Imperial College London, in 2012 Group Leader with Tenure at the MRC London Institute of Medical Sciences of Imperial College London, and in 2014 Associate Professor (Tenured) at Duke-NUS Medical School in Singapore, where I currently lead my Systems-Genetics group. In the last 10 years I have applied Systems-Genetics to different diseases and identified new molecular targets for therapeutic intervention and drug treatments. I have published >100 papers in peer-reviewed international journals, including Nature (#4), Nature Genetics (#6), Nature Communications (#6), Nature Neuroscience, Nature Immunology, Cell, Cell Reports (#4), Annals of the Rheumatic Diseases (#2), Genome Research (#2), Genetics (#4), Genome Biology (#4).



MASSIMO PICA CIAMARRA

Sede lavoro: Nanyang Technological Universty (Singapore)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics
Keywords: soft matter

2000 Laurea in Fisica 2003 Phd In Fisica 2010 CNR Researcherer (currently on leave) 2014 Associate Professor, NTU, Singapore



VALERIO PICCOLO

Sede lavoro: National University of Singapore (Singapore)
SSD: 12 - Scienze giuridiche 14 - Scienze politiche e sociali
ERC: SH1 Individuals, institutions & markets

Valerio si è laureato Dottore Magistrale in Giurisprudenza all'Università degli Studi di Torino, conseguendo il Master of Laws (LL.M.) in "Comparative Law, Economics and Finance". Ha preso parte all'LL.M. Exchange con la Jindal Global Law School a Sonipat (India). Inoltre, Valerio ha servito le Nazioni Unite a New York presso il Department of Political and Peacebuilding Affairs (DPPA) e la Division for Ocean Affairs and the Law of the Sea (DOALOS), Office of Legal Affairs (OLA) of the United Nations. Ha anche servito l'International Trade Law Division (ITLD),Office of Legal Affairs (OLA) of the United Nations a Vienna. Valerio lavora attualmente come Research Associate al Centre for Maritime Law della National University of Singapore (NUS).



PAOLO PIGINI

Sede lavoro: A*STAR (Singapore)
SSD: 05 - Scienze biologiche
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology

I graduated and obtained my PhD in Cellular and Molecular Biology at University of Bologna, and I'm currently working as a postdoc at the Agency for Science, Technology and Research of Singapore. My competences concern Cellular Biology, Molecular Biology, Genetics and Epigenetics, finding application for cancer and genetic disease research.



MAURO PRAVETTONI

H-Index: 14
Sede lavoro: National University of Singapore (Singapore)
SSD: 02 - Scienze fisiche
ERC: SH3 Environment & society PE3 Condensed matter physics
PE8 Products & process engineering

Keywords: Photovoltaics, Solid State Physics, Metrology

Dr Mauro Pravettoni is Director of PV Modules for Urban Solar at the Solar Energy Research Institute of Singapore (SERIS), National University of Singapore (NUS). He got his PhD at the Imperial College London. He is co-convenor of Singapore IEC National Committee for Solar Energy. He is member of the British Society for the Philosophy of Science and Technical Assessor for NATA, the Australian National Agency of Testing Authorities. From 2007 to 2010 he worked at ESTI, the European centre of reference for solar testing. From 2010 to 2016 he was associate researcher in Switzerland. Since 2017 he works at NUS, where he leads SERIS' ISO 17025 accredited Laboratory for Characterization & Reliability of solar modules. Since 2018 he is member of the International Scientific Committee at SNEC, Shanghai. He wrote 30+ peer-reviewed papers, books, and a number of conference proceedings. In 2008 he co-developed the world record efficiency luminescent solar concentrator.



GIANMARCO RADICE

H-Index: 20
Sede lavoro: Programme Leader (Singapore)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering
Keywords: spazio, dinamica orbitale, controllo d'assetto, satelliti

Politecnico di Milano, Italy Aerospace Engineering MEng, 1996 University of Glasgow, UK Space Systems Engineering PhD, 2000 Singapore Institute of Technology Associate Professor 2017-current University of Glasgow Reader 2010-2017 University of Glasgow Senior Lecturer 2006-2010 University of Glasgow Lecturer 2001-2006 University of Glasgow Research Assistant 2000-2001



GIULIA RANCATI

Sede lavoro: A*STAR (Singapore)
SSD: 05 - Scienze biologiche
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords: genetica

Giulia Rancati received her Degree in Biotechnology from the University of Milano-Bicocca (Italy) in 2001. For her Ph.D she worked in Prof. Piatti's lab at the University of Milano-Bicocca where she focused on mechanisms of spindle assembly checkpoint activation. In 2006, Giulia started her postdoc in Prof. Li's group at the Stowers Institute (USA), where she studied the role of aneuploidy in cellular adaptation to environmental and genetic perturbations. In October 2010, Giulia received the A*STAR Investigatorship. She joined the Institute of Medical Biology in Singapore as a Principal Investigator in May 2011. Her lab focuses on the role of genome instability and DNA copy number changes in cancer evolution and development of chemotherapy resistance. She was awarded the EMBO Young Investigatorship in 2017 and the NRF Investigatorship in 2019. She has recently become the deputy director for the Biotransfomation Innovation platform where she heads the molecular biology department.



ATTILIO RAPISARDA

Sede lavoro: Duke-NUS Medical School (Singapore)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche

ERC:	LS5 Neurosciences & neural disorders SH4 The Human Mind and its complexity
Keywords:	psicosi, schizofrenia, psicologia clinica, psicoterapia, CBT

I'm a clinical psychologist and researcher at the Institute of Mental Health Singapore and an Assistant Professor in Medical Neurosciences at the Duke-NUS Medical School. I have a training background in neuroimaging and clinical psychology. My research interests lay in the domain of epigenetics of psychotic disorders and early childhood trauma. I am a Beck Institute certified cognitive behavioural psychotherapist and work with patients diagnosed with anxiety and depression. I have published a number of scientific articles on childhood trauma, psychosis and neuropsychiatry.



MICHELE RODDA

H-Index:	14
Sede lavoro:	National Parks Board, Singapore Botanic Gardens (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Botanica, tassonomia, filogenesi

My main responsibilities at the Singapore Botanic Gardens are: Taxonomic research: I am in charge of flora accounts for the floras of Singapore, Thailand, Peninsular Malaysia, Cambodia Laos and Vietnam and Flora Malesiana. Before Covid-19 I was also doing extensive fieldwork in the regions mentioned. Research living collection: I supervise a collection of more than 3000 live plants which furnish materials used for research as well as conservation of rare species and planting out in the Gardens. Laboratory: in the molecular laboratory I am in charge of projects on the evolution of Apocynaceae using novel techniques such as Hyb-Seq. Current projects include evolution of the genus Hoya and Marsdenia, and subfamilies Periplocoideae and Secamonoideae. Botanical art gallery: I am the curator of exhibitions. My duties include selecting ting artworks for display, writing texts, coordinating the activities of consultants, fabricators and SBG staff.



ALESSANDRO ROMAGNOLI

Sede lavoro:	Nanyang Technological University (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Energy Storage, Energy Conversion, Energy Management, Multi-Energy Systems, LNG, Hydrogen, Liquid Air, Latent Heat Storage

Alessandro obtained his Ph.D. from Imperial College London in 2010 and in 2014 he has been appointed as Associate Professor in the School of Mechanical and Aerospace Engineering at Nanyang Technological University (Singapore), and as Cluster Director of Multi-Energy Systems and Grids (Thermal Energy Systems) at the Energy Research Institute @ Nanyang Technological University (ERI@N). In September 2020, Alessandro has been appointed as the Co-Director of the Surbana Jurong Corporate Lab @ NTU, a S$61M effort co-funded by the National Research Foundation of Singapore, aimed to develop next-generation sustainable solutions to tackle industrial and complex urban challenges including research to explore underground storage systems, sustainable indoor solutions for buildings, and digital technologies to scale up productivity in the built environment.

SERGIO RUOCCO



Sede lavoro:	A*STAR Institute for Infocomm Research (I2R) (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Novel software engineering approaches. Analysis, design, implementation, evolution and maintenance of complex real-time and power/energy-aware systems. Software architectures, computational and temporal reflection, UML, design patterns. Adaptive real-time scheduling, embedded systems, operating systems, micro-kernels and power/energy management.

My main research area is the analysis, design, implementation, evolution and maintenance of complex real-time and embedded systems, possibly with power and energy constraints (these are also known as time- and power/energy-aware systems).



GIUSEPPE SABADINI

Sede lavoro:	STMicroelectronics (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics

Business Transformation Enterprise Architect with 20 years of international experience in managing and innovating IT platforms and solutions, timely delivering of programs and projects using agile as well as classic waterfall SDLC. Proven ability to support company transformation, with definition of strategic roadmaps and managing digital transformation initiatives on different platforms (cloud, hybrid or on premise) and in different business domains, from supply chain to manufacturing to sales and marketing. Core Competences • Gathering user requirements, definition of strategic roadmaps, building and managing budget. • SDLC Agile and Waterfall, ITIL and Prince2 standards, Lean, service delivery management, SOX assurance. • Program/Project management, business digital transformation. • Data governance, security compliance.



SIMONE SANTAMARIA

Sede lavoro:	National University Singapore (NUS) (Singapore)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Competitive Strategy and Entrepreneurship

Simone Santamaria is an Assistant Professor at the Department of Strategy and Policy at NUS Business School. His research interests combine entrepreneurship and competitive strategy. His research explores how start-ups enter new markets, grow, strategically interact with established companies and divest their activities. His work has been published in Management Science and MIT Sloan Management Review. He has received the 2020 Glueck Best Paper Award from the Academy of Management. Simone holds a Ph.D. degree in Business Administration and Management from Bocconi University. He teaches strategy and innovation courses at NUS Business School.



VALERIO SCARANI

Sede lavoro: National University of Singapore (Singapore)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

Fisico teorico specializzato in quantum information. Per il resto, tutto quello che volete sapere si trova sul mio sito, regolarmente aggiornato: https://sites.google.com/site/valeriosgroup/group-members/valerio-scarani-homepage



MATTEO SEITA

H-Index: 10
Sede lavoro: Nanyang Technological University (Singapore)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE5 Materials & Synthesis
Keywords: Additive manufacturing

I am an Assistant Professor in Mechanical and Aerospace Engineering at Nanyang Technological University. Prior to that, I was a Postdoctoral Fellow at MIT's Department of Materials Science and Engineering. I received my PhD in Materials Science from ETH in 2012. In 2018 I was awarded the NRF Fellowship and joined the School of Materials Science and Engineering and the Asian School of the Environment under a courtesy appointment.



LUCA SIMONINI

Sede lavoro: Thales Alenia Space (Singapore)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering

Luca SIMONINI holds a degree in Aerospace Engineering (2004) with Major in Space Engineering from Universitá di Pisa (Italy). In 2005 he joined the Research and Technology Centre (ESTEC) of the European Space Agency (ESA) in The Netherlands to deal with Preliminary Design Phases and Concurrent Engineering at the Concurrent Design Facility (CDF). In 2006 started working at Alcatel Alenia Space, now Thales Alenia Space, for implementing Concurrent Engineering and preparing future space project. As System Engineer he participated in the preparation of Martian and Moon Missions and Earth Observation missions for institutional agencies (NASA, ESA, CNES,…) and export. In 2015 he joined Thales Solution Asia in Singapore appointed of the responsibility of co-director of S4TIN (Smart Small Satellite Systems Thales In NTU) joint laboratory in NTU. He has published over 20 papers in the field of space system engineering and concurrent engineering.



CESARE SOCI

Sede lavoro: Associate Professor (Singapore)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords: nanophotonics, optical materials, optical spectroscopy

Cesare Soci received Laurea and Ph.D. degrees in Physics from the University of Pavia, in 2000 and 2005. He was a postdoctoral researcher from 2005 to 2006 at the Center for Polymers and Organic Solids of the University of California, Santa Barbara, and from 2006 to 2009 at the Electrical and Computer Engineering Department of the University of California, San Diego. He joined the Nanyang Technological University (NTU) in 2009, where he holds a joint appointment between the Schools of Physical and Mathematical Sciences (SPMS) and Electrical and Electronic Engineering (EEE). He is the Deputy Director of the Centre for Disruptive Photonic Technologies and currently serves as the Associate Dean of the Graduate College. He is a fellow of the OSA and the SPIE.



TOMMASO TABAGLIO

Sede lavoro:	A*STAR (Singapore)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

After obtaining a bachelor and master degree in Italy, I moved to Singapore as A*STAR SINGA awardee to work in Ernesto Guccione's Lab, Institute of Molecular and Cell Biology. After defending my Ph.D. thesis in 2018, I've been hired as a postdoctoral fellow to develop Antisense OligoNucleotide technologies that led to the spin-off companies ImmuNOA and TechNOA.

RICCARDO TAORMINA



H-Index:	9
Sede lavoro:	Singapore University of Technology and Design (Singapore)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE6 Computer science & informatics PE7 Systems & communication engineering PE10 Earth system science
Keywords:	urban water infrastructure, water distribution systems, water resources hydrology, machine learning, deep learning, cyber physical systems, cyber physical security

to do



SERENELLA TOLOMEO

H-Index:	11
Sede lavoro:	A*STAR (Singapore)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroimaging, Cognitive Neuroscience, Psychiatry

Dr Serenella Tolomeo currently works at the Institute of High Performance Computing, A*STAR and at the Department of Pharmacology at NUS Yong Loo Lin School of Medicine. Her research focuses on determining brain pathophysiological mechanisms underlying psychiatric and addictive disorders. Her research goals integrate preclinical studies and clinical neuropsychiatry, using neuroimaging (fMRI, rs-fMRI, sMRI, MR Spectroscopy), decision-making neuroscience measures, advanced statistical analyses methods, data analytics and machine learning. She authored a number of papers in Q1 journals such as Brain, Neuroscience and Biobehavioral Reviews, Biological Psychiatry: CNNI, Psychological Medicine, Human Brain Mapping, Neuroimage: Clinical, SCAN and Journal of affective disorders. Updated published articles:

https://scholar.google.com.sg/citations?user=K4LqE-UAAAAJ&hl=en EDUCATION: PhD School of Medicine, University of Dundee (UK), MSc and BSc University Milan-Bicocca (Italy)



GUGLIELMO VASTOLA

H-Index:	14
Sede lavoro:	Scientist III (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE3 Condensed matter physics PE8 Products & process engineering
Keywords:	Stampa 3D

Senior Scientist all' A*STAR Institute of High Performance Computing (IHPC), Singapore. Presente area di lavoro e interesse: modelli numerici di simulazione del processo di stampa additiva (additive mafacturing) di metalli per applicazioni industriali. Specifiche conoscenze dei processi di selective laser melting, electron beam melting, directed energy deposition e wirefeed per leghe di Titanio e superleghe di Nickel. Certificato Project Management Professional (PMP) dal Project Management Institute (PMI) per la pianificazione, esecuzione, e consegna di progetti di ricerca.



ANDREA VEROLINO

Sede lavoro:	Dr. (Singapore)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	vulcanologia

Education: 2015-2019: PhD (Volcanology) - Thesis Title: Surtseyan Volcanism: Case Studies from Pahvant Butte and Black Point, Western USA – University of Otago 2011-2014: MSc (Volcanology) - Thesis Title: Maar-Diatreme Volcanoes: Large Scale Experiments and Natural Analogues – University of Rome "La Sapienza" 2007-2011: BSc (Earth Sciences) - Thesis Title: Geochemical and Petrological Characterization of Two Lava Samples from The Colli Albani Volcanic District, Central Italy – University of Rome "La Sapienza" Professional Experience: 2020-current: Research Fellow – Nanyang Technological University – Earth Observatory of Singapore 2019-2020: General Teaching Assistant – University of Otago



LUCA VISMARA

Sede lavoro:	NTU (Singapore)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE7 Systems & communication engineering

I'm currently a PhD student at Nanyang Technological University (NTU), Singapore in the Interdisciplinary Graduate Programme. I work on complex systems and I use reinforcement learning as a tool to investigate cooperation in multi-agent systems. Before that, I studied my bachelor's and master's in physics at the University of Milan (UNIMI) with particular focus on statistical mechanics, biophysics and complex systems.

SPAGNA

GRAZIA ACCARDO



H-Index:	17
Sede lavoro:	CIC energiGUNE (Spagna)
SSD:	03 - Scienze chimiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	scienza dei materiali, fuel cells, synthesis, materil characterization, SOFC, MCFC, solid-state batteries

Grazia Accardo was awarded her Ph.D. in Industrial Engineering at the University of Napoli Parthenope and in June 2015 she was invited as a visiting scientist at the "Fuel Cell Research Center" of Korea Institute for Science and Technology (KIST). In July 2016 she won the Korea Research Fellowship Program with a 5-years project on the development of new fabrication processes for electrolytes materials in solid oxide fuel cells. During the project, she authored 19 SCI-papers related to the improvement of the electrochemical properties of solid oxide electrolytes. In 2019 she joined the CICenergiGUNE in the Basque Country to develop new electrolytes for solid-state batteries. Her research activities embrace several topics in the field of Materials Science and Technology, Energy & Environmental Application: Sol-gel Processing for Conventional and Alternative Energy Materials, Ceramic Electrolytes for Energy Devices.

CHRISTIAN BELLACANZONE



H-Index:	2
Sede lavoro:	Infinitec Activos S.L. (Spagna)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis
Keywords:	Nanomaterials, Drug-delivery, Skincare, formulations, colloidal science, Cosmetics

Materials Scientist with more than 7 years of experience in the development of micro-/nanomaterials for applications in different fields such as bio-imaging, drug delivery, and energy. I get my BSc in Chemical and Industrial Biotechnology (2011) and my MSc in Industrial and Molecular Biotechnology (2013) at the University of Perugia with a master thesis carried on at the Physical Chemistry Department of the University of Karlstad. In 2018 I get my PhD in Materials Science at the Autonomous University of Barcelona while working at the Catalan Institute of Nanoscience and Nanotechnology. From 2019 to 2021 I have worked at the Center of Nano Science and Technology, Italian Institute of Technology in Milan. From March 2021 I am working as a senior R&D Scientist at the Infinitec Activos S.L. in Barcelona leading the Product Development Division. Throughout my studies and work experiences can be appreciated my interdisciplinary background and my will to contribute to advancing science.

FRANCESCA BRENCIO



Sede lavoro:	University of Seville (Spagna)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	Storia della Filosofia, Filosofia Teoretica, Fenomenologia, Ermeneutica, Filosofia della psichiatria, Salute Mentale

Francesca Brencio is Associate Researcher in Philosophy at the Research Group "Filosofía Aplicada: Sujeto, Sufrimiento, Sociedad" (Andalusian Research Plan Code: HUM-018) at the University of Seville (Spain). She is also Convener and Instructor of the Pheno-Lab, A Theoretical Laboratory on Philosophy and Mental Health, member of The

Phenomenology and Mental Health Network at University of Oxford (UK), and Executive Committee Member of The Royal College of Psychiatrists - Special Interest Group in Philosophy. She studied Philosophy at University of Perugia (Italy), Theology at the Theological Institute in Assisi associated to Pontificia Universitas Lateranensis (Città del Vaticano) and awarded a Ph.D. in Philosophy and Human Sciences from the University of Perugia (Italy). She worked as post-doctoral researcher at the Western Sydney University (Australia) and the Albert-Ludwigs-Universität Freiburg (Germany). She was Visiting Professor in the USA for the Winter Semester 2017.



IVAN DE MARTINO

H-Index: 17
Sede lavoro: Universidad de Salamanca (Spagna)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: Astrophysics, Gravitation, dark matter

After graduating from the Federico II University of Naples in Astrophysics and Space Science, I performed my doctoral thesis under the supervision of F. Atrio-Barandela at the University of Salamanca and S. Capozziello at Federico II University of Naples. I defended my thesis in December 2014. Then I enjoyed three postdoctoral stays, two of them in Spain (Universidad del País Vasco and Donostia Internacional Physic Center) and another one in Italy (University of Turin). After these postdoctoral stays, I got a Juan de la Cierva Incorporación fellowship at the University of Salamanca. My research results in 37 articles and 1 Chapter in a book published on 1 PhD thesis (which started in July 2021). The latter shows 1 article published and two articles under evaluation in peer-review journals. My research has mostly been focused on the fields of research in dark matter, dark energy, cosmology and theories of gravitation.



IRENE FARABELLA

H-Index: 10
Sede lavoro: none (Spagna)
SSD: 02 - Scienze fisiche 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords: Integrative modelling • 3D genome • Spatial genomics

I am now a Independent contractor in the Wu Lab @ Harvard Medical School (Boston, MA, USA) developing and apply transformative tools for the analysis and modelling of super-resolution genome images. I was a Juan de la Cierva Incorporación Postdoctoral Fellow in the group of Marc Marti-Renom at CNAG-CRG (Barcelona, ES) where I used my specific expertise in integrative modelling to start investigating different aspects of genome structure organisation to identify the critical elements shaping the genome organisation. Before, I did my PhD in the group of Maya Topf at the Institute of Structural and Molecular Biology, Birbeck College/UCL, University of London using computational methods that integrates experimental data and modelling techniques to characterise the structure of macromolecular machines. I obtained the MSc in Medical Biotechnology at Bicocca University of Milan after a internship at Radboud University Medical Centre, Nijmegen the netherlands with Prof. Gert Vriend.



STEFANO GRASSO

H-Index: 6
Sede lavoro: CBGP (UPM - INIA) (Spagna)
SSD: 05 - Scienze biologiche

ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS9 Applied life sciences & biotechnology
Keywords:	synthetic biology, proteomics, molecular genetics, bioinformatics, microbiology

Graduated in Biotechnology (B.Sc., cum laude) in 2013 and in Plant and Animal Biotechnology (M.Sc., cum laude) in 2015 at University of Udine. For my Master's thesis I worked on Hi-C, a cutting edge technology to understand 3D DNA interactions; part of the thesis was carried out at IPK (Gatersleben, DE) contributing to a Nature paper. In parallel, I was also a student of Scuola Superiore di Udine (https://scuolasuperiore.uniud.it/) an institute of excellence for highly talented students. Between 2015 and 2020, I was a Marie Curie fellow within the ITN Protein Factory (http://proteinfactory-msca-itn.eu/), and a PhD student at UMCG (Groninen, NL) and DSM B.V. (Delft, NL). I worked mainly on protein secretion (mainly in Bacillus from both an experimental and computational point of view). I graduated in 2020 with a thesis titled: Bacterial protein sorting: experimental and computational approaches. I am now a postdoc at CBGP (Madrid). I work in the field of synbio, AI, and automation.

ORESTE GUALILLO



H-Index:	65
Sede lavoro:	SERGAS Servizo Galego de Saude (Spagna)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS4 Physiology, Pathophysiology & Endocrinology LS6 Immunity & infection
Keywords:	Cartilage, adipokines, inflammation, pharmacology, natural drugs, arthritis, osteoarthritis, metabolism, immunometabolism

Dr. Oreste Gualillo graduated in Medicinal Chemistry at the Faculty of Pharmacy of the University “Federico II” in Naples. He obtained his Ph.D in Pharmacology in 1995. He received training in Molecular Endocrinology at the Necker School of Medicine, INSERM U344, in Paris. In 1998, he moved to the Laboratory of Molecular Endocrinology of the University of Santiago de Compostela, Spain, where he was a "Marie Curie" Research Fellow. In 2001, he set up his own research group at the Santiago University Clinical Hospital, Division of Rheumatology. He is currently a Staff Researcher of the Spanish National Health System at SERGAS (Servizo Galego de Saude). He is based at Santiago de Compostela University Clinical Hospital, heading the Neuroendocrine Interactions in Rheumatology and Inflammatory Diseases (NEIRID) group of IDIS (Instituto de Investigación Sanitaria de Santiago).

ALESSANDRO LIQUORI



Sede lavoro:	Instituto de Investigación Sanitaria La Fe de Valencia (Spagna)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	genetica

Dr. Alessandro Liquori is a postdoctoral researcher in the Hematology and Hemotherapy Research Group at the Health Research Institute Hospital La Fe (IIS La Fe) in Valencia since September 2016. Alessandro carried out his doctoral thesis in the group of sensorineural diseases at the Laboratory of Rare Diseases EA7402, in Montpellier (France), under the supervision of Dr. Anne-Françoise Roux. He got a PhD in Biological and Health Sciences in December 2015 with a doctoral project focused on the characterization of “atypical” genetic alterations (e.g. synonymous and deep intronic mutations) found in Usher Syndrome patients. During his career, Dr. Liquori has acquired extensive experience in the field of genetics (cytogenetics, epigenetics and molecular genetics) that he currently applies in the study of myeloid neoplasms, especially of MDS and AML. His researches have focused on the study of splicing alterations that occur in these types of neoplasms.



FILIPPO MANTOVANI

H-Index:	20
Sede lavoro:	Barcelona Supercomputing Center (Spagna)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE6 Computer science & informatics

Filippo Mantovani is senior research responsible for the Mobile and embedded-based HPC group at the Barcelona Supercomputing Center (BSC). He graduated in mathematics and held a Ph.D. in Computer Science from the University of Ferrara, Italy. He has been a scientific associate at the DESY laboratory in Zeuthen, Germany, and the University of Regensburg, Germany. He spent most of his scientific career in computational physics and high-performance computing. He brought up and evaluated large high-performance computing systems, contributing to the Janus, QPACE, QPACE2 and Mont-Blanc projects. He is involved in the FPGA prototyping tasks of RISC-V based accelerators within the European Processor Initiative (EPI). Also, he is currently leading the collaboration between BSC and industrial group Etxe-tar, for the optimization of high throughput manufacturing systems.



MASSIMO MENICHINELLI

Sede lavoro:	Elisava – Barcelona School of Design and Engineering (UVic-UCC) (Spagna)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH2 Institutions, values, beliefs and behaviour PE8 Products & process engineering
Keywords:	design, social innovation, digital fabrication

Massimo Menichinelli, Doctor of Arts in New Media from Aalto University and Master of Science in Design from Politecnico di Milano, is a designer who researches and develops open, collaborative, and co-design projects and the systems that enable them since 2005. Massimo Menichinelli is now Associate Professor (Profesor Contratado Doctor) at Elisava – Barcelona School of Design and Engineering (UVic-UCC). Massimo has published several scientific articles and books on the topics of Open Design, Digital Fabrication, Makers, Fab Labs and Social Innovation and has lectured on these at Aalto University (Finland), SUPSI (Switzerland), Fab Academy in the Opendot and WeMake fab labs (Italy). Massimo worked as a Director at Make In Italy Italian Fablab & Makers Foundation CDB, as a project manager for research projects at IAAC | Fab Lab Barcelona, as a Research Fellow at RMIT University in the European hub in Barcelona and Senior Resident Researcher at Politecnico di Milano – Polifactory.



BEATRICE MUSIG

Sede lavoro:	Instituto de Carboquimica ICB-CSIC (Spagna)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis
Keywords:	CCSU, plasma catalysis, power-to-gas, circular economy, CO2 recycling

I am currently working as a PhD student at Instituto de Carboquimica (ICB-CSIC) in Zaragoza (Spain) and at Sorbonne Université, Paris (France). This double doctorate is part of the MSCA ITN called PIONEER, a European consortium that works on plasma catalysis for CO2 recycling. My research project deals with nanostructured ceria catalysts for plasma-assisted CO2 methanation for the production of green and recycled fuel. My background is Bachelor Physics, that I studied at Università degli Studi di Parma. To further broaden to multidisciplinary topics, I then moved to Belgium and then Germany to complete my Master's studies in Nanotechnologies, joining the NANO Erasmus Mundus programme.

MALVINA PIZZUTO



H-Index:	5
Sede lavoro:	Instituto Murciano de Investigacion Biosanitaria Virgen Arrixaca (IMIB-Arricxaca) (Spagna)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection
Keywords:	cardiolipine, toll-like receptor, inflammasome, cationic lipids, transfection agents, innate immunity, mitochondria, non-canonical inflammasome, caspase-11

I am an Italian researcher willing to move around the world to reach the best way to do research. So far, my research has given more insights into the molecular mechanisms of lipid/Toll-like receptors interaction and may contribute to the design of new anti-inflammatory molecules, new non-immunogenic transfection agents for gene therapy and immunogenic transfection agents to be used as vaccine adjuvants. My PhD has highlighted that the mammalian endogenous lipid cardiolipin, because of its similarity with bacterial lipids, acts as a Toll-like receptor antagonist or agonist according to its unsaturation degree. At the laboratory of Professor Pablo Pelegrín at the IMIB in Murcia (Spain), I am currently studying the interaction of mitochondrial cardiolipin with the inflammasome pathway. Subsequently, I wish to investigate the role of mitochondrial cardiolipin in the resolution of the inflammation and the implications of its interaction with TLR4/inflammasome in inflammatory diseases.

MATTEO ROSATI



H-Index:	7
Sede lavoro:	Marie Sklodowska-Curie Fellow (Spagna)
SSD:	02 - Scienze fisiche
ERC:	PE1 Mathematical foundations PE3 Condensed matter physics PE6 Computer science & informatics
Keywords:	Informatica Quantistica, Ottica Quantistica, Teoria dell'informazione, Comunicazione Quantistica, Inferenza Statistica Quantistica,

My research activity focuses on the development of novel information-processing protocols using quantum systems, with the aims of enhancing communication and sensing technologies. My main research line, started during the PhD studies, is centered on quantum communication, in particular: (i) devising coding and decoding protocols for communication on quantum channels; (ii) modeling and optimizing quantum optical devices; (iii) establishing fundamental limits on the transmission and recovery of quantum information. The challenge of implementing theoretical protocols with current technology has further led me to study: (i) quantum statistical inference, to devise enhanced inference methods via quantum devices; (ii) quantum resource theories, to quantify the information-processing capabilities of quantum devices under practical constraints. Recently, I obtained a Marie Sklodowska-Curie Fellowship to develop artificial-intelligence methods for the control of quantum communication devices.

STATI UNITI D'AMERICA

MARTINA ABSINTA



H-Index:	23
Sede lavoro:	National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, USA (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders

Dr. Martina Absinta earned her medical degree (MD), residency in neurology, and PhD in Molecular Medicine–Experimental Neurology at Vita-Salute University-San Raffaele Hospital, Milan, Italy. From April 2012 to October 2014 she joined Dr. Daniel S. Reich's lab at National Institute of Neurological Disorders and Stroke [NINDS], National Institutes of Health [NIH], Bethesda, USA as Visiting Postdoctoral Fellow. She was then promoted to Research Fellow from February 2016. Her research interests include ultra-high-field 7T MRI–neuropathology correlations in neuroinflammatory and neurodegenerative diseases such as multiple sclerosis, and related identification of novel imaging biomarkers of chronic inflammation (with special focus on microglia-mediated and on leptomeningeal inflammation). Her research is supported by the Intramural program of the NINDS, the National Multiple Sclerosis Society (NMSS, grant #FG 2093-A-1) and the Conrad N. Hilton Foundation (grant #EIN15-20858115).



ALESSANDRO ALABASTRI

H-Index:	18
Sede lavoro:	RICE UNIVERSITY, ECE Department (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

Alessandro Alabastri received his BSc (2007) and MSc (2009) in Engineering Physics from Politecnico di Milano. In 2014 he obtained the PhD in Nanosciences from the Italian Institute of Technology and University of Genoa working on computational modeling of plasmonic structures. In 2015 he was Visiting Researcher at Lawrence Berkeley National Laboratory at the Molecular Foundry. He joined Rice University in 2015 as Postdoctoral Fellow (2015-2016) and NEWT Postdoctoral Leadership Fellow (2016-2018) working on theoretical nanophotonics and solar distillation devices. He is now Texas Instruments Research Assistant Professor in the Department of Electrical Engineering at Rice University. Dr. Alabastri is an expert in nanophotonics and in computational modeling of photo-thermal interactions in complex nanostructures. He worked on several aspects of light-to-heat conversion, exploring the mechanisms to maximize heat dissipation in nanoparticles based systems.



ALESSANDRO ALLEGRA

Sede lavoro:	Harvard Kennedy School (Stati Uniti d'America)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour

Alessandro Allegra is a 2018-2019 Visiting Research Fellow and a Fulbright-Schuman Scholar with the Program on Science, Technology and Society at Harvard's Kennedy School of Government. He is a doctoral candidate in STS at University College London (UCL), working on the role of cultural differences in the provision of scientific advice to policymaking in the European Union. Alessandro received a BA in Philosophy from the University Vita-Salute San Raffaele in Milan, during which he spent a year as exchange student at the Humboldt University in Berlin. He

subsequently received a MSc in Philosophy of Science from the London School of Economics, where he focused on the history and philosophy of biology.

ANDREA ALU



H-Index:	83
Sede lavoro:	Advanced Science Research Center, City University of New York (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE5 Materials & Synthesis
Keywords:	Elettromagnetismo, ottica, metamateriali

Andrea Alù è Founding Director e Einstein Professor all'Advanced Science Research Center, City University of New York. Ha ricevuto la Laurea (2001), MS (2003) e PhD (2007) all'Univresità di Roma Tre, e dopo un postdoc alla University of Pennsylvania, è diventato professore alla University of Texas at Austin, dove era Temple Foundation Endowed Professor fino al 2018. Dr. Alù è un Fellow di IEEE, OSA, SPIE and APS, Highly Cited Researcher dal 2017, Simons Investigator, IEEE e OSA Distinguished Lecturer, e ha pubblicato più di 450 articoli su riviste di alto prestigio (>31k citazioni, h-index 83). Dr. Alù ha ricevuto diversi premi e riconoscimenti internazionali, tra cui l'NSF Alan T. Waterman award (2015), il più alto riconoscimento scientifico negli USA per giovani ricercatori, l'ICO Prize in Optics (2016), l'OSA Adolph Lomb Medal (2013), e l'URSI Issac Koga Gold Medal (2011).

PAOLA AMERO



Sede lavoro:	University of Texas M D Anderson Cancer Center (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	SH1 Individuals, institutions & markets

- Master Degree in Biotechnology of Drugs at University of Study of Naples " Federico II" ; -PhD degree in Science of Drugs at University of Study of Naples " Federico II" ; - Postdoctoral Fellow position, Experimental Therapeutics, University of Texas MD Anderson Cancer Center, Houston, TX, Dr Gabriel Lopez-Berestein., from November 2015 to date June 2019; - Postdoctoral Fellow position at the National Research Council. Istituto di Endocrinologia e Oncologia Sperimentale “G. Salvatore” Via Pansini 5 Naples 80131 Italy. Dr Vittorio de Franciscis Research program “Merit RBNE08YFN3”MicroRNA and aptamers as potential therapeutic tools in cancer From 07/10/2013 to 07/10/2014 - Postdoctoral Fellow position at the National Research Council. . Istituto di Endocrinologia e Oncologia Sperimentale “G. Salvatore” Via Pansini 5 Naples 80131 Italy. Dr Vittorio de Franciscis Research program “Merit RBNE08YFN3” Specific-B-CLL cell targeting with RNA-based from 07/10/2014 to 01/09/2015

ILARIA GIADA ANVERSA



Sede lavoro:	School of Public Affair, San Diego State University, San Diego, USA, (Stati Uniti d'America)
SSD:	13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH3 Environment & society
Keywords:	social innovation; spatial economic analysis; regional disparities; lagging regions; spatial inequalities; place-making; affordable housing; displacement issues;

Giada Anversa works in the field of Urban Studies and Planning. She earned a Ph.D. in Urban Regeneration and Economic Development (2017) and a master's degree in Architecture and Civil engineering (2012) from Mediterranea University of Reggio Calabria, Italy. She is currently working on a scientific publication of her doctoral study exploring path dependence in making-oriented industries and multi-dimensional development trajectories (socio-economic, cultural institutional and environmental conditions) of regional systems in Italy and within the broader national and global context. Visiting Early Stage researcher for the Italian unit in the European research project Maps-LED (Multidisciplinary Approach to Plan Smart Specialization Strategies for Local Economic Development), at the financed by the European Union within the European Framework program Horizon 2020-Marie-Sklodowska-Curie RISE action (grant agreement No. 645651)



ANDREA BARI

H-Index: 12
Sede lavoro: MIT (Stati Uniti d'America)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: LS5 Neurosciences & neural disorders
Keywords: neuroscience

Experienced neuroscientist with a demonstrated history of working in higher education and with the pharmaceutical industry. Skilled in mentoring, cognitive and affective neuroscience, neurodegenerative disorders and data analysis. Enthusiastic professional with a PhD focused on neurobiology and behavioral neuroscience from the University of Cambridge and several years of postdoctoral training using cutting-edge neuroscientific techniques. My goal is to use my training and experience for the discovery of novel and improved therapies for brain diseases and cognitive enhancement.



SAMUEL BIGNARDI

Sede lavoro: Georgia Institute of Technology (Stati Uniti d'America)
SSD: 01 - Scienze matematiche e informatiche 04 - Scienze della terra
ERC: PE6 Computer science & informatics PE10 Earth system science
Keywords: geofisica applicata, computer vision, remote sensing, image processing, segmentation, software development, medical imaging, data science

The main focus of my research for more than twelve years has been 1) solving very hard image/shape reconstruction and data-inversion problems, 2) solving these problems using complex datasets collected from a multitude of non-invasive sensors, and 3) solving these problems using advanced computational techniques. My expertise spans from Geophysics, signal processing, inversion, programming, to computer sciences and Machine Learning. My research involved the development of Geophysical algorithms for modeling and inversion applied to seismic signals (acoustic/elastic propagation) in solids and electromagnetic signals (air/solid propagation). Additionally, I have also investigated remote sensing techniques, such as radar-based shape reconstruction, Synthetic Aperture Radar and I have employed machine learning techniques for medical imaging. I am a passionate researcher who enjoys collaborating with other researchers through the full spectrum of innovation, going from ideas to application.



ANDREA BOGGIO

Sede lavoro: Bryant University (Stati Uniti d'America)
SSD: 12 - Scienze giuridiche

ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production

Andrea Boggio è Professore di Studi Giuridici a Bryant University di Smithfield, RI (USA). E' l'autore di Human Germline Genome Modification and the Right to Science: A Comparative Study of National Laws and Policies (Cambridge University Press 2020), Compensating Asbestos Victims. Law and the Dark Side of Industrialization (Ashgate 2013), ed Health and Development: Toward a Matrix Approach (Palgrave-MacMillan 2009). La sua ricerca esplora la relazione tra diritto, scienza e morale. Il professor Boggio à stato Visiting Scientist perso il Dipartimento di Scienze Giuridiche dell'Università di Torino. professor Boggio ha ottenuto una laurea in giurisprudenza presso l'Università Cattolica del Sacro Cuore di Milano, un dottorato in legge presso l'Università di Stanford (USA), ed ha completato un post-dottorato presso l'Istituto di Bioetica dell'Università di Ginevra (Svizzera).



STEFANO BOI

Sede lavoro:	NIH/NIAID (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Virologia, microbiologia, retrovirus.

WORK EXPERIENCE 2014 – Present Postdoctoral Fellow at the Rocky Mountain Laboratories NIH/NIAID Laboratory of Persistent Viral Diseases / Retrovirology Molecular Biology Section (with Dr. L. H. Evans) •Studied the interactions between exogenous and endogenous mice retroviruses using both in vitro and in vivo models. •Explored the mechanism by which mouse APOBEC3 restricts retroviral replication. •Developed effective monoclonal antibodies to understand the interaction between host restriction factors and viral proteins. EDUCATION 2014: PhD in Virology "Development and Testing of Antiviral Drugs" - University of Cagliari, Dept. of Biomedical Science and Technology. 2010: Master's degree in Experimental and Applied Biology - University of Cagliari, Dept. of Biomedical Science and Technology - graduated cum laude. 2008: Bachelor's degree in Experimental Biology - University of Cagliari



GABRIELE BONAITI

Sede lavoro:	Texas A&M AgriLife Extension (Stati Uniti d'America)
SSD:	07 - Scienze agrarie e veterinarie 08 - Ingegneria civile e Architettura
ERC:	PE10 Earth system science

Dr. Bonaiti is an Extension Program Specialist at the Biological and Agricultural Engineering Department, Texas A&M AgriLife Extension Service, where he develops and implements educational programs for water districts to help them conserve and efficiently use water resources, and for homeowners to help them correctly manage onsite wastewater and water resources. Before coming to Texas, Gabriele received his PhD in Environmental Agronomy from the University of Padova, Italy and he conducted research work on weed management, crop growth modeling, and water quality. He has been active internationally by conducting various cooperative programs among institutions from Europe, Middle East, and the United States.



LUCIA BORRIELLO

Sede lavoro:	Lewis Katz School of Medicine and Fox Chase Cancer Center, Philadelphia (Stati Uniti d'America)
SSD:	05 - Scienze biologiche

ERC:	LS9 Applied life sciences & biotechnology
Keywords:	cancer research

Lucia Borriello is an Assistant Professor in the Department of Cancer and Cellular Biology in the Lewis Katz School of Medicine & Fox Case Cancer Center, in Philadelphia (US). She holds a Ph.D. in Cancer Biology and Pharmacology from the Medical University of Paris in France. After finishing her graduate work, Lucia moved to the US and joined the laboratory of Dr. Yves DeClerck at the Children's Hospital Los Angeles & University of Southern California, LA, to study how tumor-stroma interactions drive tumor progression and therapeutic resistance. Intrigued by the crucial role of the tumor microenvironment in metastasis, and the power of imaging technologies to study this phenomenon, Lucia pursued a second training in the laboratory of Dr. John Condeelis and Dr. David Entenberg at the Albert Einstein College of Medicine, NY. There, she studied the role of the tumor microenvironment in tumor cell dissemination, dormancy and metastasis.

MARIA ELENA BOTTAZZI



H-Index:	32
Sede lavoro:	Professore e Decano associato (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	malattie tropicali, vaccini, biotecnologia, cooperazione internazionale

Maria Elena Bottazzi, PhD is an internationally-recognized Italian scientist and global health advocate with more than two decades of contributing in biomedical science, technology and vaccine development tackling neglected tropical diseases and contributions in the advancement of scientific cooperation. Her strong public-private partnership links have created a network building sustainable biotechnology capacity and training programs. She is Professor of Pediatrics and Molecular Virology and Microbiology at Baylor College of Medicine in Houston. She is also Associate Dean of the National School of Tropical Medicine, Co-Section Head of Pediatric Tropical Medicine and Co-Director of Texas Children's Hospital Center for Vaccine Development. As global thought-leader she has received highly regarded awards, has more than 120 scientific papers, participated in more than 200 conferences worldwide and has the commitment and passion to engage in innovative ideas across disciplines and sectors.



LORENZO BRANCALEON

H-Index:	19
Sede lavoro:	University of Texas at San Antonio (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Biofisica

Professional Preparation Universita' degli Studi di Parma1991Laurea in Fisica Universita' degli Studi di Parma1996Dottorato di Ricerca in Fisica National Research Council (Canada)1996-98Postdoctoral Fellow in Biophysics Harvard Medical School (USA)1998-2000Instructor in Biophysics University of Dundee (United Kingdom)2000-03Photophysicist Appointments Associate Professor2010-present Assistant Professor2003-2010 Recent Publications 1.McMicken, B., et. al., 2016, J. Phys. Chem. B. 120:3653–3665. 2.Vall-Sagarra, A., et al., 2016, ChemPhysChem, 17:3269-3282. 3.Farooqi, M.J., et al., 2016, Int. J. Biol. Macromol., 94:246-257. 4.Hu, J., et al., 2017, Photochem. Photobiol. Sci., 16:694-710. 5.Johnson, C.N., et al., 2018, Eur. Biophys.. J., 47:789-797. 6.Pezzuoli, D., et al., 2018, Food Control, 94:254-262. Other Activities. -Coordinator of the program OverWorld with the Universita' degli Studi di Parma (Italy).



ALESSANDRO BRUNO

Sede lavoro: NASA Goddard Space Flight Center (Stati Uniti d'America)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences

Dr. Bruno devoted his scientific activities to the investigation of the origin and the propagation of Cosmic Rays (CRs) in the Galaxy, the heliosphere and the terrestrial magnetosphere, by means of missions with ground- or space-based detectors. In particular, during his PhD he carried out the measurement of the energy spectrum of galactic antiprotons with the PAMELA experiment, a space-based experiment measuring cosmic (anti)particles, looking for Dark Matter signatures. After the PhD, he devoted himself to the analysis of geomagnetically trapped and solar energetic particles. Dr. Bruno is the primary author of all related PAMELA publications. In 2012 he joined the JEM-EUSO collaboration, a satellite experiment designed for the study of the CRs with energies close to the GZK cutoff. In 2018 he joined the CALET collaboration, an experiment mounted on the ISS, aimed to the measurements of the CR electron spectrum up to 3 TeV. Dr. Bruno is co-author of >170 articles, with >2600 citations



AGOSTINO BUONO

Sede lavoro: Texas A&M University (Stati Uniti d'America)
SSD: 07 - Scienze agrarie e veterinarie
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology
LS6 Immunity & infection
Keywords: Gastroenterology, Veterinary medicine, inflammatory bowel disease, small animal, dog, cat, microbiota, GALT, gut, immunology

Agostino studied veterinary medicine at the University of Bologna, Italy, where he graduated in March 2012. Before graduation, he joined a study abroad (ERASMUS) and a student internship program (Tesi all'estero) at the University of Caceres, Spain, where he started his undergraduate research and thesis. After few months spent at the Veterinary Teaching Hospital at the University of Bologna, Agostino joined the Gastrointestinal Laboratory at Texas A&M University in May 2013 to pursue his PhD. Ago is interested in new markers of inflammation, lymphocyte (T-cell) activation, and epithelial barrier dysfunction in dogs affected by inflammatory bowel disease (IBD). He's interested in the relationship and network between the immune system and the intestinal microbiota. Ago is at the moment (2019) a PhD candidate and is pursuing his specialty in Small Animal Internal Medicine (ACVIM-SA).



SARA BUSON

H-Index: 85
Sede lavoro: University of Maryland, Baltimore County (UMBC)
(Stati Uniti d'America)
SSD: 02 - Scienze fisiche
ERC: PE9 Universe sciences
Keywords: astrophysics, high-energy, gamma rays, multi messenger, active galactic nuclei, neutrino astronomy, gravitational waves

I obtained my PhD at the Physics and Astronomy Department at the University of Padova (IT, 2013), where I was subsequently granted a two-year post-doc position to pursue my research. In 2015, I was awarded the NASA Post-Doc Fellowship (NPP), and I joined the NASA Goddard Space Flight Center (USA) for about four years. As of February 2019, I have been appointed as assistant research scientist at the University of Maryland, Baltimore County (UMBC, USA) and

professor at the University of Wuerzburg (DE). My research interests embrace the fields of multi-messenger and time-domain astrophysics, among which gravitational waves and neutrinos. I served as coordinator of the multi-messenger/time-domain group of scientists for the Fermi-LAT collaboration (NASA space mission). My expertise on the topic of Active Galactic Nuclei in a multi-wavelength/multi-messenger context, and my efforts and leading contributions in the astrophysics field granted me the ISSNAF young investigator award (2018).



ILARIA CAPUA

Sede lavoro: University of Florida (Stati Uniti d'America)
SSD: 07 - Scienze agrarie e veterinarie
ERC: LS6 Immunity & infection
Keywords: One Health

Ilaria Capua, DVM, PhD, PhD H.C. University of Florida Ilaria Capua is full professor and Director of the One Health Center of Excellence at the University of Florida. Veterinarian by training and virologist by passion, she has also been a Member of the Italian Parliament for over three years (2013-2016). She has authored over 220 scientific publications in peer reviewed journals and has published scientific books on Avian Influenza and Newcastle disease and 4 books for the general public. She is active in the field of science communication and in promoting female leadership in the scientific arena. She regularly contributes columns and editorials to mainstream Italian press. https://ilariacapua.org/



GIUSEPPE CATALDO

Sede lavoro: NASA (Stati Uniti d'America)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE9 Universe sciences

Giuseppe Cataldo is a lead systems engineer of several NASA missions. His expertise is in the design and optimization of space systems with applications for astronomy and astrophysics. Giuseppe has contributed to a variety of NASA missions and projects such as: the James Webb Space Telescope, the EXperiment for Cryogenic Large-Aperture Intensity Mapping, feasibility and multidisciplinary optimization studies of infrared instrumentation for space telescopes, payloads for Earth-imaging satellites, advanced concepts for lunar exploration, optical characterization of materials of astrophysical and engineering interest. He joined NASA in 2009 fully sponsored by the European Space Agency (ESA) as one of the two European students selected for the NASA Academy, NASA's premiere leadership program for talented students. During the program, he was one of the select recipients of the John Mather Nobel Scholar Award. His work has been recognized internationally through many prestigious awards.



FRANCESCO CECI

H-Index: 13
Sede lavoro: University of California Los Angeles (UCLA) (Stati Uniti d'America)
SSD: 06 - Scienze mediche
ERC: LS7 Diagnostic tools, therapies & public health
Keywords: prostate cancer, PET imaging, theranostics, radio-ligand therapy, PSMA, FAPI

MD board certified in Nuclear Medicine and PhD candidate in Urological Sciences, at the University of Bologna, Italy. Currently emplyed as Assistant Professor at the Ahmanon Imaging Translational Division - Department Molecular and Medical Pharmacology of the University of California Los Angeles, United States. Funded grants: - Post-doctoral

Fellowship 2018 by the Fondazione Umberto Veronesi. - Ricerca Finalizzata 2016 by Italian Ministry of Health. Role: co-investigator Research interest: development and clinical applications of small peptides as diagnostic and therapeutic agents in prostate cancer.

EMANUELE CHISARI



H-Index:	10
Sede lavoro:	Rothman Orthopaedic Institute (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS6 Immunity & infection LS9 Applied life sciences & biotechnology
Keywords:	Malattie dell'apparato Locomotore

I am an early-career physician-scientist with an interest in clinical and translational research. I have focused my research in orthopaedics, microbiome, and infections, designing bench-based studies, clinical trials either in partnership with industry or national funding agencies. My experience with medicine, education, innovation, and research, is part of my present and will be part of my future, where I will divide my time between clinical practice and innovation in research and technology

ANNA CIURLO



H-Index:	7
Sede lavoro:	University of California Los Angeles (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Interstellar medium, Galactic nucleai, PSF-reconstruction, adaptive optics, imaging-spectroscopy

Anna Ciurlo is an Assistant Researcher at UCLA in the group of Nobel laureate Andrea Ghez and a Keck Visiting Scholar. She earned her physics degree in Genoa, Italy and her PhD in astrophysics at the Observatory of Paris, France. She is an expert in the complex environment of the center of our Galaxy, where she studies the effect of the central supermassive black hole on its environment and the physics of the interstellar medium. She studies the gas physical and dynamical conditions mainly through imaging-spectroscopy data. She is also involved in PSF-reconstruction developments for ground-based adaptive optics fed telescopes especially in the context of integral field spectroscopy.

SARA CODARIN



Sede lavoro:	Lawrence Technological University (Stati Uniti d'America)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE6 Computer science & informatics
Keywords:	Robotics, digital manufacturing

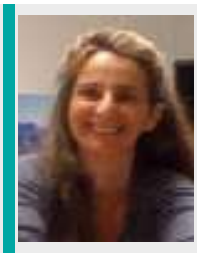
Assistant Professor in Architecture at Lawrence Technological University, College of Architecture and Design FIeld of study - Robotics



FILIPPO CONTESI

Sede lavoro:	Temple University (Stati Uniti d'America)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH4 The Human Mind and its complexity SH5 Cultures & cultural production

I am a philosopher, currently a US–Italy Fulbright Research Scholar in the Philosophy Department at Temple University. In 2018 I will take up a Juan de la Cierva Postdoctoral Fellowship at LOGOS in Barcelona. I was previously an École des Hautes Études en Sciences Sociales Postdoctoral Fellow at the Jean Nicod Institute. Before that I did my PhD in aesthetics at the University of York, after studying at the Universities of Bari, Oxford and Leeds. My research focuses on various issues in empirically informed philosophy of emotions and aesthetics, philosophy of food and history of aesthetics, as well as on meta-philosophical and practical issues surrounding the use of English as a lingua franca in academic philosophy.



FRANCESCA D'ALESSANDRO BEHR

Sede lavoro:	BCBS of Texas (Stati Uniti d'America)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production

vedi Behr CV



ANTONIO D'AMORE

H-Index:	18
Sede lavoro:	University of Pittsburgh (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Tissue engineering, biomaterials, biomechanics

Research manager, scientist, innovator and educator with experience (11 years) at senior level, focus on tissue engineering, biomaterials and biomechanics. Education (2011) Ph.D Biomechanics and tissue engineering, bioengineering department, Univ. of Pittsburgh, USA and dep. of mechanics, Univ. of Palermo, Italy (joint program: 29 months in US, 7 months in Italy); (2007) Master of Science degree in biomedical engineering Imperial College, Imperial College London, UK; (2004) Master of Science degree in mechanical Engineering, Univ. of Palermo, Italy. Work (2017 – present) Research assistant professor, departments of surgery and bioengineering, McGowan Institute for Regenerative Medicine (MIRM), Univ. of Pittsburgh; Fondazione RiMED principal investigator and head of cardiac tissue engineering; (2013 – 2016) Research associate, MIRM , Univ. of Pittsburgh, RiMED senior fellow ; (2011 – 2013) Post doctoral researcher, MIRM, Univ. of Pittsburgh, RiMED Fondazione .



GIACOMO DE FALCO

H-Index:	6
Sede lavoro:	The City College of New York (Stati Uniti d'America)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis

Chemical Engineer with a Ph.D in Chemical Sciences. A motivated and problem-solving research professional with a proven track record of success in synthesis and characterization of organic/inorganic materials and laboratory supervising. Technical Skills and Expertise o Synthesis of new materials for many applications (air/water purification and for fuel cell) o Experimental kinetic study of mono and multicomponent adsorption in fixed bed reactors o Knowledge on different lab techniques: Sorption of N2, GC, ICP-MS, XRD, XPS, SEM-EDX, TEM, Raman, TA-TG, TPD, H2-TPR, Potentiometric titration and FTIR o Experience in wet chemistry o Computer software: MS Office (Word, PowerPoint, Excel, Visio), SigmaPlot Data Analysis, Origin Data and Matlab o Language: English (Fluent), Italian (native), Spanish (beginner)



DANIELE DELL'AQUILA

H-Index:	8
Sede lavoro:	Michigan State University (National Superconducting Cyclotron Laboratory, NSCL) (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Nuclear Physics, Structure, Reactions, Clustering, Dynamics, Detectors

I have successfully attained my Master Degree in 2014 at the University of Catania with an experimental thesis where we explored the nuclear properties of short-lived neutron-rich nuclei produced at the INFN-LNS. Publications on important international journals and invited talk at international conferences followed these results. I obtained a Ph.D. at the University of Naples Federico II and, as a part of a joint international agreement, at the University Paris-Saclay. During this period, important results have been accomplished, testified by a number of international papers and talks at international conferences. Recently, a paper of which I am first author, published on Physical Review Letters, has been selected for a View Point in Physics and as Editor's suggestions. From November 2017 I work as a research associated at the Michigan State University (MSU), National Superconducting Cyclotron Laboratory (NSCL).



AURORA DONZELLI

Sede lavoro:	Sarah Lawrence College (Stati Uniti d'America)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production

I am a linguistic and cultural anthropologist with an expertise in Southeast Asia. My research interests include late capitalism; language and ordinary ethics; code-switching, and ethnicity; semiotic ideologies. I am Associate Professor at Sarah Lawrence. I published on graphic design and American political discourse (Signs and Society 2019); grammar, and local theories of agency (Anthropological Linguistics 2016); the aesthetics of verbal and visual arts (Text and Talk 2007 and Con-fine Editore 2017); ideologies of race and language in the Portuguese colonial empire (Routledge 2016); the political economy of commensality in Southeast Asia agrarian societies (Oxford 2020). My first monograph (UHP, 2019) explores how the neoliberal restructuring of Indonesia's economy is affecting individuals' moral and linguistic behavior.

My second monograph (NUS Press, 2020) focuses on language and political imagination. I received research grants from the NSF and the Portuguese FCT.



ALBERTO FABRIS

Sede lavoro:	The John Hopkins University (Stati Uniti d'America)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production
Keywords:	rinascimento, filosofia, intellectual history, storia dei concetti politici

POSIZIONE ATTUALE -da sept 2020 - visiting researcher e teaching assistant ULB Bruxelles, dipartimenti: filosofia e scienze politiche -da sept 2017 - researcher e teaching assistant Johns Hopkins University (USA), Modern Languages and Literature/ editorial assistant a MLN (Hopkins Unipress) FORMAZIONE - 2014-2018: PhD in Filosofia, ENS-Lyon - 2012-2014: diploma della Scuola Normale di Parigi -2013-2014: Master 2 in scienze politiche, EHESS, Parigi -2012-2013: Master 1 in filosofia, Paris Sorbonne -2009-2012: Laurea triennale in filosofia, Università degli Studi di Padova -2011-2012: Erasmus, université Paul Valéry Montpellier 3 LINGUE Francese, Inglese, tedesco, spagnolo COMPETENZE ricerca in scienze umane e sociali, insegnamento della lingua e della cultura italiane, pubblicazioni (cultura del Rinascimento e Italia del '900), editoria



LORENZO FEDERICO

H-Index:	12
Sede lavoro:	University of Texas MD Anderson Cancer Center (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Cancer, Immunology, Tumor biology, Preclinical models

Research scientist with 14+ years of experience in different fields of biomedical sciences, 8 years of which focused on translational oncology research in cancer metabolism, immuno-oncology, and preclinical tumor models for the identification and validation of druggable targets. Excellent communicator and team player accustomed to working in multigroup/cross-disciplinary projects.



ANTONIO FILARETO

H-Index:	11
Sede lavoro:	Principle Scientist in Regenerative Mediciene at Boehringer Ingelheim - CT (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Stem Cells, Aging, Regenerative Medicine

Modern scientific discoveries are best used when applied to the treatment and eradication of diseases. To this end, I have cultivated a broad skill set that I use to develop and optimize cellular and molecular approaches to regenerative medicine for acquired and inherited diseases. I excel at critical thinking and problem-solving, and I love applying those skills to the development of technology and scientific methods. I am a highly motivated and goal-oriented scientist who can work independently or collaboratively, and I am able to incorporate diverse perspectives into decision-making. Proven track record in scientific writing including 21 peer-reviewed publications with >600 citations.

ENRICO FORTI



Sede lavoro:	Manhattan College, O'Malley School of Business (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione 13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production
Keywords:	Business Strategy, Corporate Strategy, Innovation Management, Entrepreneurship, Computational Social Science

Enrico Forti is an Assistant Professor of Strategy at Manhattan College, in the O'Malley School of Business. As a computational social scientist, his research focuses on business strategy and organization theory. His work has been published or is forthcoming in leading academic journals. He teaches graduate and undergraduate courses in the area of strategy. He received a Ph.D. degree in Management with highest honours from the University of Bologna and was a visiting doctoral student at London Business School. Before joining Manhattan College, he was a Clinical Assistant Professor of Strategy at University College London, UCL School of Management and served as a Chazen Visiting Associate Research Scholar at Columbia Business School, in the Management Division. Prior to his academic career, he was a business analyst at Accenture management consulting.

ANTONIO GENOVA



H-Index:	5
Sede lavoro:	Massachusetts Institute of Technology (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering PE9 Universe sciences
Keywords:	Geodesia Spaziale, Sistemi di Telecomunicazione e Altimetria, Determinazione Orbitale, Geofisica, Struttura interna di pianeti e satelliti, Effemeridi planetarie, Test di teoria di gravità

Research experience in planetary sciences at MIT and NASA Goddard Space Flight Center. Involved in several radio science and altimetry experiments, such as MESSENGER and BepiColombo to explore Mercury, Cassini to investigate the Saturn system, Mars Global Surveyor, 2001 Mars Odyssey, and Mars Reconnaissance Orbiter to monitor Mars, and GRAIL and Lunar Reconnaissance Orbiter that provided the most detailed maps of gravity and topography of the Moon. These investigations are mainly focused on planetary geophysics and geodesy, which are the scientific disciplines dedicated to study the internal properties of celestial bodies. High-experience in spacecraft orbit determination and celestial mechanics enabled to lead multi-disciplinary studies that include the measurement of the solar system expansion due to the solar mass loss rate, and of the gravity fields of Mercury and Mars that provide crucial information on the evolution and formation of the solar system.

LUCA GUIDO



Sede lavoro:	University of Oklahoma (Stati Uniti d'America)
SSD:	08 - Ingegneria civile e Architettura
ERC:	SH5 Cultures & cultural production
Keywords:	Storia dell'architettura

Luca Guido is a licensed architect, critic and historian of contemporary architecture. Dr. Guido is a Visiting Associate Professor in Architecture at the University of Oklahoma where he served as Bruce Goff Visiting Professor and Chair of Creative Architecture (2016). His dissertation entitled "Building the American Landscape" examines the relationship between architecture and landscape in the U.S. from T. Jefferson to F.L. Wright. He has been an invited lecturer and critic in Paris, Haifa, Belgrade, Lisbon, Valencia, Madrid, Rome, Naples, Bucharest, and other cities for frequently focusing on Frank Lloyd Wright, Bruno Zevi, Bruce Goff. Dr. Guido currently leads the American School of Architecture research, a project focused on Bruce Goff and the legacy of organic architecture.



NAZZARENA LABO

Sede lavoro:	National Laboratory for Cancer Research (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection LS7 Diagnostic tools, therapies & public health
Keywords:	virology, HIV, opportunistic, Herpesviruses, Kaposi's sarcoma, EBV, Lymphoma

I am a physician scientist with 20 years of experience primarily in tumor virology (gammaherpesviruses). I currently work essentially on the epidemiology, immunology and molecular virology of Kaposi's sarcoma herpesvirus at the US National Laboratory for Cancer Research.



STEFANO LAMI

H-Index:	139
Sede lavoro:	SQMS - Superconducting Quantum Materials and Systems - Center (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Quantum Information, Particle Physics

Stefano Lami Ph.D, Chief Operating Officer (COO) at the new National Quantum Information Science SQMS Center. Science Counselor at the Embassy of Italy in Washington D.C. (2013-21), responsible for basic research, energy, and environment. A particle physicist by training, and with decades of experience in science diplomacy and policy, project management in international organizations, his interests are focused on facilitating international scientific and innovative research collaboration, increasing researcher mobility, and developing research coordination mechanism. He participated in many international projects, including at the Fermi Laboratory where the Top quark was discovered, the last foreseen quark particle still to be observed. In the past, he has served as the co-spokesperson at the Large Hadron Collider at CERN in Geneva, Switzerland, and worked as researcher and faculty member in University of Heidelberg, Stony Brook and Rockefeller University. Author of 600+ publication



GIACOMO LANZONI

H-Index:	22
Sede lavoro:	Diabetes Research Institute, Department of Biochemistry and Molecular Biology - University of Miami - Research Assistant Professor Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche

ERC:	LS3 Cellular and Developmental Biology LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	cellule staminali, diabete, insulina, cellule beta, immunomodulazione, medicina rigenerativa, stem cells, diabetes, beta cells, immunomodulation, regenerative medicine

My research is focused on Type 1 Diabetes (T1D). I am developing strategies to protect, regenerate, and replace the insulin-producing pancreatic islet beta cells. I have identified adult progenitor cells for beta cell regeneration in the human biliary tree and pancreas. I have developed methods for the study of the proteome of pancreatic islet and acinar cells. I have identified surface molecules for the targeted delivery of therapeutic agents to islet cells and progenitor cells. I have studied the immunomodulatory and trophic functions of human Mesenchymal Stromal/Stem Cells (MSC) from various tissue sources. I have been involved in research in the field of cell biology and stem cells for 12 years, with a focus on T1D for 8 years. In 2010 I joined the Diabetes Research Institute at the University of Miami, the largest U.S. research institution focused on T1D. I received the “Mark Goodman Outstanding Young Scientist Award”, Diabetes Reseach Institute Foundation.

STEFANO LONARDI



H-Index:	53
Sede lavoro:	University of California (Stati Uniti d'America)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology PE6 Computer science & informatics
Keywords:	bioinformatica

Vedi CV esteso

ROBERTO LUCCHINI



H-Index:	34
Sede lavoro:	Florida International University (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology

Dr. Lucchini received his medical degree from the University of Brescia, Italy, in 1987. In 1991, he obtained his Certification of Specialization (Board Certification) in Occupational Medicine from the University of Parma, Italy. From 1992 to 2011 he served as a MD at the Occupational Health Clinic of the Spedali Civili of Brescia, Italy. Since 2003 Dr. Lucchini has served as Professor of Occupational Medicine at the University of Brescia. From January 2012 to June 2020, he was the Director of the Division of Occupational and Environmental Medicine at the Icahn School of Medicine at Mount Sinai, New York. Dr. Lucchini was also the Director of the World Trade Center Data Center at Mount Sinai and the Director of the NIOSH funded Education and Research Center for the States of New York and New Jersey. Since July 2020, Dr Lucchini is a Professor at the School of Public Health, Florida International University.



MARK LUDORF

Sede lavoro: Stephen F. Austin State University (Stati Uniti d'America)
SSD: 13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC: SH4 The Human Mind and its complexity

Mark R. Ludorf Citizenship: United States and European Union (Italy) Piazza Resistenza, 32 Calvene, VI 36030 +39.320.971.8872 +1.936.645.7980 Education Ph.D. University of Kansas (Experimental/Cognitive Psychology) M.A. University of Kansas (Experimental/Cognitive Psychology) B.S. University of Wisconsin – Stevens Point (UWSP) (Psychology and Philosophy) ACADEMIC AND PROFESSIONAL APPOINTMENTS: Regents Scholar, Stephen F. Austin State University (2021– 2022) Full Professor of Psychology, Department of Psychology, SFASU (2001 – Present) Associate Professor of Psychology, Department of Psychology, SFASU (1997 – 2001) Assistant Professor of Psychology, Department of Psychology, SFASU (1991 – 1997) Instructor, Department of Psychology, SFASU (1990 – 1991) Wisely Hall Fellow, University Honors Program, SFASU (1997 – 1998) Visiting Professor, Department of Mathematics, Natural Science and Computer Science, John Cabot University (Rome, Italy), (2015)



FRANCESCA MACCHIARINI

Sede lavoro: NIH (Stati Uniti d'America)
SSD: 05 - Scienze biologiche 06 - Scienze mediche
ERC: LS6 Immunity & infection

Manages portfolio of NIH grants and contracts with programmatic oversight on progress and adherence to budget and timelines by supported research projects in molecular and cellular mechanisms of age-related changes in the health and disease states and conditions affecting the respiratory, digestive and urogenital systems; scientific coordination of NIA's Interventions Testing Program that investigates treatments to extend lifespan & delay disease and dysfunction in mice; administration of aged rodent and NHP colonies & mouse and NHP tissue banks (2016 – Present). Extensive portfolio experience in immunology of aging and radiation exposure; radiation biodosimetry & medical countermeasures product development; transplantation models; HLA genetics and immune-mediated diseases; fetal-maternal & neonatal immunology; immunology of aging; T cell development, selection and repertoire; immunity of compromised groups including the young, elderly, and pregnant women (2003-2016).



MARCO MAMBELLI

Sede lavoro: Fermilab (Stati Uniti d'America)
SSD: 02 - Scienze fisiche 09 - Ingegneria industriale e dell'informazione
ERC: PE6 Computer science & informatics
Keywords: distributed computing, workflow management, particle physics

Marco Mambelli * Fermilab, 2013-now ** Lead of the GlideinWMS project, scientific workflow management system (CMS and Open Science Grid) * Enrico Fermi Institute and Computation Institute - University of Chicago 2003 ** OSG site coordination (over 100 computer centers at Universities and Labs). Distributed computing research and development (ATLAS and OSG), outreach and eduction. Distributed analysis and simulation (ATLAS experiment at CERN) * Ph.D. in Computer Engineering, University of Modena and R.Emilia, "Quality of Web-based Services" Prof. M.Colajanni, 2003 * Diploma, Scuola Sant'Anna in Pisa, Engineering studies, 1999 * Laurea cum laude, Computer Engineering, University of Pisa, "Design of a wireless IPv6-based network to provide voice and data integrated services to a company" Prof. P.Ancilotti * Research interests: Distributed computing systems (grid, cloud, networks), Workflow management and scheduling, Distributed monitoring, storage



FILIPPO MANGOLINI

H-Index:	17
Sede lavoro:	The University of Texas at Austin (Stati Uniti d'America)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis

Dr. Filippo Mangolini completed his university studies in Materials Engineering at Polytechnic University of Milan (Italy) in 2006. He then received his Ph.D. in Materials Science at ETH Zurich (Switzerland). Upon completion of his Ph.D. in 2011, Filippo received a Swiss National Science Foundation Postdoctoral Fellowship and moved to the University of Pennsylvania (USA). During his time at the University of Pennsylvania, Filippo was awarded a Marie Curie International Outgoing Fellowship for Career Development, which allowed him to extend his stay at the University of Pennsylvania and to subsequently move to Ecole Centrale de Lyon (France). Between 2015 and 2017, Filippo was a University Academic Fellow at the University of Leeds (UK). In 2016, Filippo was the recipient of a Marie Curie Individual Fellowship. In January 2018 Filippo joined the University of Texas at Austin as Assistant Professor in the Department of Mechanical Engineering, Materials Science and Engineering Program.

STEFANO MARTELLUCCI



H-Index:	10
Sede lavoro:	University of California San Diego (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS3 Cellular and Developmental Biology LS5 Neurosciences & neural disorders
Keywords:	Schwann cells; stem cells; cancer stem cells; cancer; pain

Proactive Biomedical Research Scientist with expertise on stem cells, cancer stem cells, cancer and neurodegenerative diseases. I have the capacity to direct and participate in research and collaborative activities that contribute to the advancement of Cell Biology, Molecular Biology, Genetics, Biochemistry, Immunology, Regenerative Medicine and related areas with evidences of annually peer reviewed publications and projects realised with external funding. I have excellent organizational skills with attention to details, the ability to perform multiple tasks simultaneously and accurately and to adjust rapidly to shifting priorities and variable workloads. I'm able to work either independently and collaboratively within interdisciplinary teams that include clinicians, academic and companies.

FULVIO MAVILIO



H-Index:	71
Sede lavoro:	Audentes Therapeutics (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS9 Applied life sciences & biotechnology

Fulvio Mavilio is Senior Vice President at Audentes Therapeutics, San Francisco, CA, and Professor of Molecular Biology at the University of Modena and Reggio Emilia, Modena, Italy. He previously served as Scientific Director of Genethon in Evry, France (2011-2017), Adjunct Professor of Genetics, Paris-Descartes University, Paris, France (2017-2018), co-Director of the Center for Regenerative Medicine at the University of Modena (2008-2011), Director of Discovery at Molmed SpA (2002-2005), and co-Director of the San Raffaele-Telethon Institute of Gene Therapy in Milan, Italy (1994-1999). Ph.D in Medical Genetics in 1979, he trained as a postdoctoral fellow at the Wistar Institute in Philadelphia, PA

(1986-1988). An expert and a pioneer in the fields of gene therapy and stem cell research, Dr. Mavilio has published over 180 articles in major international journals. He is a member of EMBO, and a former member of the Board of the American and European Societies of Gene and Cell Therapy.



CELESTINA MAZZOTTA

H-Index:	9
Sede lavoro:	MGH HARVARD MEDICAL SCHOOL (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	angiogenesi, pathway molecolari, cross talk cellulari

The researcher is a Medical Biotechnologist in the field of cellular and immunological therapy in regenerative medicine. She completes the bachelor's degree at Florence University under the supervisor of Dr Saccardi, working on MSCs selection for regenerative purpose, hematological malignancy, and bone regeneration. This experience allows her to be part of Prof. Brandi group, (Florence University), leader in the worldwide in osteoporosis and bone regeneration, developing skills in DNA, RNA, PCR, sequencing, ELISA test, cells cultures, and in 2010, she had the opportunity to successful participate in the writing of EU project Multifaceted Casr" Marie Curie Initial Training Networks (ITN) Call: FP7-People-2010-ITN. She completed the master's degree with a dissertation about Alterations of bone marrow mesenchymal stem cells (MSCs) in systemic sclerosis in 2012, and her PhD in 2017 at Experimental and Clinical Medicine Florence University Medical School, developing a project focused on αKl



LAURA MICHELI

Sede lavoro:	Catholic University of America (Stati Uniti d'America)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Ingegneria Strutturale, Machine Learning, Big-Data Analysis

Dr. Laura Micheli, Assistant Professor in Structural Engineering at the Catholic University of America, in Washington DC. Areas of interest: structural control, structural health monitoring, machine learning, big-data analysis, uncertainty analysis, risk assessment, wind engineering, tall buildings, performance-based design



DANIEL MINISINI

H-Index:	22
Sede lavoro:	1) Rice Univ., 2) Laboratori Shell, 3) radio KPFT (Stati Uniti d'America)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	geologia, energia, comunicazione, suolo, sottosuolo, oceani

Principal Geoscientist at Shell (Houston, Texas), professor at Rice University (Depart. of Earth, Environment and Planetary Sciences), and producer of the radio show miniGeology (KPFT Houston). Fifteen years experience in geology 1) related to energy resources and geohazards, 2) directing programs and managing people to grow research and exploration, 3) creating projects in collaboration with multiple external partners (academia, governments, companies). Impeccable HSSE record. Interested in large-scale initiatives integrating disciplines, methods, and scales to investigate structure and composition of the surface and subsurface of Planet Earth. Then, interested in placing the outcomes in

the appropriate context of Society-at-Large, both communicating with decision makers and the public. Dedicated to Diversity & Inclusion, volunteering in prisons and death row, marathoner.

FRANCISCO MONALDI



H-Index:	14
Sede lavoro:	Baker Institute for Public Policy, Rice University (Stati Uniti d'America)
SSD:	13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour
Keywords:	Energy policy

Francisco J. Monaldi, Ph.D., is the Director of the Latin America Energy Program and a Fellow at the Center for Energy Studies at Rice University's Baker Institute for Public Policy. He is also a lecturer in energy economics at Rice's Economics Department. He is a professor and member of the International Faculty at IESA School of Management in Venezuela and Panama, where he was the Founding Director of the International Center for Energy and the Environment (CIEA). Monaldi has been a visiting professor at Harvard, Stanford, Tufts, and the Tecnológico de Monterrey (México); and a fellow at Harvard's Belfer Center, Columbia's Center for Global Energy Policy, and Stanford's Hoover Institution. He holds a Ph.D. in political economy from Stanford University, an M.A. in international and development economics from Yale University, and a Bachelor's in economics from Universidad Católica Andrés Bello.

DARIO NICETTO



Sede lavoro:	University of Pennsylvania (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS3 Cellular and Developmental Biology

Education •Research Associate (2018 - present) University of Pennsylvania, Philadelphia, PA – USA •Postdoctoral Research Fellow (2013 - 2018) University of Pennsylvania, Philadelphia, PA – USA •Graduate Studies (Ph.D. in Molecular Biology, 2007 - 2012) Ludwig-Maximilians University, Munich – Germany (score: summa cum laude) •B.S. and M.S. in Molecular Biology (2002 - 2007) University of Padua, Padua -Italy (score: 110/110, cum laude)

ALDA NICOSIA



Sede lavoro:	University of Houston (Stati Uniti d'America)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production

EDUCATION Graduated in " Foreign Languages and Literature " : English (main language) , French and Spanish , at University Naples on March 23rd 1983 Evaluation: 110/110 and " lode" (praise); Certificate of Business English in 1991 at Capac – Caserta (Italy); Certificate of Intermediate and Upper-Intermediate in 1981 and 1982 at New School of English - Cambridge-Great Britain; Certificate of Proficiency in English by "University of Cambridge" in June 1989 : Certificate of Achievement : Proficiency C2 at TEG English School Portsmouth (UK) August 2017; Certificate of Europass mobility : Job shadowing by INCOMA calle Madrid SEVILLE - SPAIN Dec 2017; Competition winner of Italian " concorso" for Middle school in 1986; Competition winner of Italian " concorso" for (Secondary / High school in 1987 Competition winner of Italian " concorso" at Italian Ministry of Foreign Affairs Aug 2018



SIMONE PAGAN GRISO

H-Index:	134
Sede lavoro:	Lawrence Berkeley National Laboratory (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	HEP, Collider, Silicon detectors, Tracking, SUSY, VBS

I am currently a divisional fellow (career-track) at Lawrence Berkeley National laboratory, Berkeley (USA). My main research interests are in the field of elementary particle physics; I am currently member of the ATLAS Collaboration (www.atlas.ch) working on analyzing data from the proton-proton interactions of the highest energy collider available to-date (the Large Hadron Collider, Geneva) and developing new detector for the next generation of upgrades and experiments. Precision measurements of known phenomena and search for previously unseen particles are the means I use to explore the physics that is yet unknown. I am as well expert in pattern recognition techniques that we use for charged particle reconstruction and detection in the ATLAS detector.



GIULIA PALERMO

Sede lavoro:	University of California (Stati Uniti d'America)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Computational chemistry, Biophysics, CRISPR-Cas, genome editing, nucleic acids

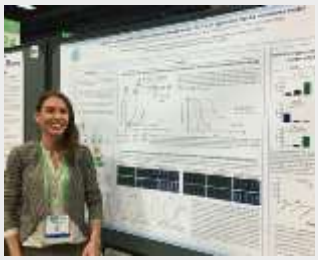
Giulia Palermo is a computational biophysicist with expertise in molecular simulations. She is an Assistant Professor at the University of California Riverside. Her research uses computational biophysics to clarify the mechanism of action of biological systems of key importance for genome editing and regulation. She is a native of Italy where she earned her Ph.D. in 2013 from the Italian Institute of Technology, working in the group of Dr. Marco De Vivo. She has been a post-doc in the group of Prof. Ursula Rothlisberger at the Swiss Federal Institute of Technology, where she worked on ab-initio methods. In 2016, she has been awarded a Swiss National Science Foundation post-doctoral fellowship to join the group of Prof. J. Andrew McCammon at the University of California San Diego, where she earned experience in novel multiscale methods enabling the study of increasingly realistic biological systems.



MARTA PALLOTTO

H-Index:	9
Sede lavoro:	National Institute of Health (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscience

I am a postdoctoral researcher in neuroscience at the National Institute of health. My main scientific interest is the investigation of cell diversity (molecular, functional and morphological), and how such diversity drives different circuit functions.



GIULIA PARISI

H-Index: 14
Sede lavoro: UCLA, University of California Los Angeles (Stati Uniti d'America)
SSD: 06 - Scienze mediche
ERC: LS9 Applied life sciences & biotechnology
Keywords: Immunotherapy, gene-therapy

From 2007 to 2013 I had been working in Dr. Maio's lab in Siena.We demonstrated that tumor tissues express epigenetically-regulated cancer testis antigens. Then, I focused my research on measuring the prognostic value of DNA methylation profiles in stage III melanoma patients. Since September 2013 I have been working at UCLA, first under the supervision of Dr. Ribas. I was involved in a pre-clinical project based on the Adoptive cell transfer (ACT) of hematopoietic stem cells (HSC) and T cells expressing NY-ESO-1 TCR. As Study Director of one of the studies, I performed the experiments to assess the safety of administration of genetically modified HSC in mice. Our results led to the Investigational New Drug approval for a new clinical trial. I also demonstrated the possibility to use modified interleukin 2 in an ACT model to obtain better tumor response and lower toxicity.I am currently working in Dr. Kohn's lab, as Project Manager for a sickle-cell clinical trial using gene therapy.



ELISABETTA PIANORI

Sede lavoro: Lawrence Berkeley National Laboratory (Stati Uniti d'America)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: particle physics, Higgs, trigger, Pixel, tau

After completing my undergraduate studies at University of Bologna, in Italy, I entered the Ph.D program at University of Pennsylvania in 2005. Between 2007 and 2011, when I completed my doctorate, I was stationed at Fermi National Laboratory, as a member of the CDF collaboration. After that, I joined the ATLAS experiment at the LHC, as a research assistant at the University of Warwick, UK. I'm currently a Staff member at Lawrence Berkeley National Lab (USA), sharing my time between the ATLAS experiment and the Particle Data Group (PDG). My research career has focused on experimental particle physics. I performed a number of studies to first discover and then study the properties of the Higgs boson, both at the Tevatron and at the LHC. I'm also an expert on triggering for hadron colliders. I'm currently working on silicon detectors for the upgraded ATLAS experiment. In the PDG group, I participate in the production of the Review of Particle Physics and other PDG publications.



ALESSANDRO PILLONI

H-Index: 20
Sede lavoro: Jefferson Lab (Stati Uniti d'America)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

I graduated in 2016 at "Sapienza - Universita' di Roma", then I moved to Jefferson Lab for a postdoctoral position. I worked mostly in hadron spectroscopy, in particular in the exotic charmonium sector, but my research interests span several different aspects of QCD phenomenology. Despite my formation as a theorist, I have strong activities with the experimental collaborations, and I am an active member of the BaBar experiment, and I am affiliated theorist to the LHCb collaboration. Before starting my PhD, I founded a web company to manage one of the most important italian websites in the educational sector.



GRAZIANO PINNA

H-Index:	34
Sede lavoro:	University of Illinois at Chicago (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscienze, malattie psichiatriche, depressione, ansia, PTSD,

Name: Graziano Pinna, Ph.D., Dr. rer. Med. Title: Associate Professor Place of Birth: Oristano, Italy Education: 2001 Ph.D. Neuroscience Freie Universität Berlin. 1993 Laurea of Doctor in Biological Sciences, Univ. Cagliari Positions 1990-1993 Res. Assnt, Univ. Cagliari 1993-1995 Researcher, Schering AG, Germany 1994-2001 Research Scientist, FU Berlin 1997-1998 Visiting Scholar, UIC, Chicago 2001-2011 Asst Professor, UIC 2011-date Associate Prof, UIC 2014-2017 Visiting Prof., Univ. Federal São Paulo 2015-date External partner, Consortium Européen NeuroRhine. France 2016-2017 Visiting Prof., Univ. Cagliari Patent Applications 1. US 2018/0369171 A1 2. WO 2018/237282 A1 Teaching (from 2006): 2017 Univ. Cagliari 2006-2014 Neurosteroids and psychiatric disorders. UIC. 2006-2014 Treatments for PTSD. UIC. 2006-2013 Grand Rounds in the Mental Hospital of Chicago. “Invited Speaker” in over 50 International Meetings



ANNALISA QUAINI

H-Index:	22
Sede lavoro:	Professore di Matematica (Stati Uniti d'America)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Climate modeling, Reduced-order modeling, Computational fluid dynamics, Multiphysics problems, Multidisciplinary simulation, Crowd dynamics

Professional experience 09/22 - present: Professor of Mathematics, University of Houston (USA) 09/17 - 08/22: Associate Professor of Mathematics, University of Houston (USA) 09/21 - 05/22: William and Flora Hewlett Foundation Fellow, Radcliffe Institute for Advanced Study, Harvard University (USA) 08/11 - 08/17: Assistant Professor of Mathematics, University of Houston (USA) 12/14: Gambrinus fellow, TU Dortmund (Germany) 01/14 - 04/14: Visiting scholar, Emory University (USA) 03/09 - 08/11: Postdoctoral Fellow, University of Houston (USA) 11/05 -01/09: Research assistant, EPFL (Switzerland)



GIOIA RAU

Sede lavoro:	NASA (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astrophysics, Astronomy, Evolved stars, Exoplanets, Stellar Evolution, Machine learning

Dr. Gioia Rau is an astrophysicist at NASA's Goddard Space Flight Center where she works on exoplanets and stellar astrophysics science, using artificial intelligence techniques and data from the world's largest telescopes on earth and in space. Dr. Rau has a record of numerous scientific publications, and leads the science cases of multiple NASA mission concepts in development. She has recently been elected head of the International Astronomical Union Working Group on Red Giants and Red Supergiants. Dr. Rau is passionate about promoting DEIA (Diversity Equity Inclusion and Accessibility) values, especially by supporting women and other underrepresented minorities in pursuing scientific

careers; she supervises and mentors undergrads, PhD students, and postdocs. Dr. Rau has received numerous awards, including from the astrophysics division of NASA GSFC for her excellence in astrophysics, and Inspiring Fifty Italy 2021 as Top 50 most influential Italian women in Science and Tech.



EMANUELA RICCIOTTI

H-Index:	31
Sede lavoro:	University of Pennsylvania (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS4 Physiology, Pathophysiology & Endocrinology LS6 Immunity & infection

Dr. Ricciotti studied Medicinal Chemistry and Pharmaceutical Technology at the “G. d`Annunzio” University of Chieti-Pescara, and received her license to practice Pharmacy in 2001. She received her PhD in Aging from the same University in 2005. She carried out postdoctoral research on the role of prostaglandins in vascular biology and inflammation with Prof. Garret FitzGerald at University of Pennsylvania. She was appointed Research Assistant Professor in the Department of Systems Pharmacology and Therapeutics at the University of Pennsylvania in 2014. Her research focuses on defining the role and regulation of eicosanoids and other bioactive lipids in cardiovascular disease, the response to checkpoint blockade in cancer, and viral infections, such as in COVID-19. She is also investigating the mechanisms which underlie NSAID-induced enteropathy. For her research she integrates studies in model systems using multi-omics and immune-profiling approaches.



ALBERTO RIVA

Sede lavoro:	University of Florida (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Bioinformatica

I am a bioinformatician with a background in computer science, bioengineering, and computational biology. I am currently the Scientific Director of the Bioinformatics core facility at the University of Florida. My work focuses on the development of methods and computational tools for the analysis of high-throughput sequencing data for genomics and transcriptomics.



FEDERICO ROSSI

Sede lavoro:	Jet Propulsion Laboratory - California Institute of Technology (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Robotics, multi-agent systems, autonomy

Dr. Federico Rossi is a Robotics Technologist with the Maritime and Multi-Agent Autonomy Group within the Robotics section of NASA’s Jet Propulsion Laboratory. He received a Ph.D. in Aeronautics and Astronautics at Stanford University under the guidance of Prof. Marco Pavone in 2018 with a thesis On the Interaction between Autonomous Mobility-on-Demand Systems and the Built Environment: Models and Large Scale Coordination Algorithms. Prior to that, Federico received a dual M.Sc. in Space Engineering from Politecnico di Milano and Politecnico di Torino, Italy, in 2013. He is an alumn of the Alta Scuola Politecnica. Federico’s research focuses on optimal control and decision-making in multi-agent

robotic systems, with applications to (i) swarms of uncrewed aerial vehicles and surface vessels for exploration and patrolling and (ii) coordination of fleets of self-driving cars for autonomous mobility-on-demand in urban environments.



SALVATORE SAIEVA

Sede lavoro:	University of Texas Medical Branch (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS4 Physiology, Pathophysiology & Endocrinology LS5 Neurosciences & neural disorc
Keywords:	Insulin, insulin resistance, Alzheimer's, brain, insulin signaling, high-f near-infrared light

I am a Graduate Student (Neuroscience Graduate Program) at UTMB. Galveston, TX. I am enrolled in a dual international PhD program between University of Palermo and UTMB, a competitive program that allows students to achieve two PhDs, one European and one US. My research interest is on the pathological link between insulin resistance and Alzheimer's disease and in finding a potential therapeutic approach that may halt the spreading of insulin resistance from the peeiphery to the brain. I am in particular interested in how brain insulin signaling gets impaired thus leading to neurodegeneration. My laboratory skills are: western blot, tissue culture, immunohistochemistry, immunocytochemistry. I can work with mice: I am able to perform subcutaneous and intraperitoneal injections and blood draws from the tail and I acquired some experience in collecting tissues, in particular brain, adipose tissue, skeletal muscle, liver, heart, lungs, kidneys.



CAROLA SALVI

Sede lavoro:	University of Texas Austin (Stati Uniti d'America)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscienze cognitive, Problem solving, Innovazione

EDUCATION Ph.D., Doctor of Philosophy, in Experimental Psychology, Linguistics and Cognitive Neuroscience Department of Psychology, University of Milano-Bicocca, “Look Outside the Box, to Think Outside the Box: Insight, Eye Movements, and Solution Accuracy”. Started Winter 2009; Convocation Winter 2013. M.S., Master of Science, in Psychology of Organizations and Consumer Behavior Department of Psychology, University of Milano-Bicocca, “An experimental study on fixation and the mechanization processes of problem solving: groupthink effects”. Started Winter 2004; Convocation Winter 2007. With distinction and highest possible honors, (110 of 110 possible, plus laude). B.S., Honors Bachelor of Science, in Psychology Department of Psychology, University of Milano-Bicocca, “Pragmatic analysis and processes of solution in probabilistic reasoning and problem solving”. Started Fall 2001; Convocation spring 2004.



ANNA SANNINO

Sede lavoro:	Baylor Scott and White Research Institute (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Cardiologia; Imaging cardiovascolare

Anna Sannino, M.D. Ph.D July 30th, 1985 5811 Bryan Pkwy Unit 40, 75206, Dallas, Texas, USA +1 4698678924 anna.sannino@icloud.com 2009:MD Medicine Degree “Magna cum Laude”, Federico II University, Naples, Italy 2010: Unrestricted License to practice Medicine and Surgery in Italy and all other countries of the European Community, with

n° 32854. 2015:Board in Cardiology (highest score), Federico II University, Naples, Italy 2018:National Board of Echocardiography, 2018 Examination of Special Competence in Adult Echocardiography. 2019: PhD Degree with highest honours in Clinical and Experimental Medicine, University of Naples Federico II, Italy. EDITORIAL POSITIONS: Associate Editor for Biomedicine & Pharmacotherapy. Member of the Frontiers in Physiology Editorial Board.



JOLANDA SARNO

Sede lavoro:	Stanford University (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS3 Cellular and Developmental Biology LS7 Diagnostic tools, therapies & public health
Keywords:	cancer biology, leukemia, pediatric tumor, cell signaling, mass cytometry

Highly skilled scientist with over 10 years of research experience at state-of-art research facilities with strong background in cancer biology with a focus in the field of hematological disorders such as leukemia. My research goal is to overcome treatment failure in childhood leukemia developing more reliable risk prediction models and further investigating molecular mechanisms associated with the relapse of the disease. Proven excellent organizational, communication, collaboration and troubleshooting skills. Experience in mentoring of undergraduates and medical students. Strong expertise in single-cell analysis of immunological samples by flow cytometry and mass cytometry. I am currently a postdoc in the Pediatric Department at Stanford School of Medicine in California, USA.



GIUSEPPE ANDREA SAUTTO

H-Index:	12
Sede lavoro:	University of Georgia (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection
Keywords:	Microbiology, immune response, humoral response, monoclonal antibodies,

I'm a Postdoctoral Research Associate, with 10-year experience in the field of the scientific-academic research. I currently work in the Center for Vaccines and Immunology, Department of Infectious Diseases, in the College of Veterinary Medicine of the University of Georgia, USA. My lab tasks are focused on directly working 'on the bench', as well as applying in the management (coordinating the teamwork), in getting collaborations and grants for the success of my research projects, recognized by 25 publications in relevant international journals and awards. My research activity is focused on the selection, cloning, characterization and engineering of monoclonal antibodies (mAbs), especially of human origin, and directed against infectious agents.



GABRIELE SCHIATTARELLA

H-Index:	18
Sede lavoro:	UT Southwestern Medical Center (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Scompenso cardiaco, HFpEF, Metabolism, Epigenetic, Inflammation

Gli interessi di ricerca sono orientati, in particolare, verso la cardiologia sperimentale e lo studio dei meccanismi cellulari e molecolari del rimodellamento cardiaco. Gli interessi clinici sono incentrati sullo scompenso cardiaco ed in particolare verso lo scompenso cardiaco a frazione di eiezione preservata (HFpEF). Ha ricevuto numerosi riconoscimenti e grants per l'attività di ricerca dalla Società Europea di Cardiologa (ESC), dalla Società Italiana di Cardiologia (SIC – Premio "Giovane Ricercatore") e dalla American Heart Association (AHA – Postdoctoral Fellowship). Ha partecipato in qualità di relatore e organizzatore a numerosi congressi scientifici internazionali. E' membro del direttivo del gruppo di Studio sulla Biologia Cellulare e Molecolare del Cuore della Società Italiana di Cardiologia (SIC) e membro del Translational Commitee dell' Heart Failure Association della Società Europea di Cardiologia (ESC).



NICCOLO TERRANDO

H-Index: 25
Sede lavoro: Duke University (Stati Uniti d'America)
SSD: 06 - Scienze mediche
ERC: LS5 Neurosciences & neural disorders

Dr. Terrando is originally from the countryside of Torino, Italy. After high school, he moved to the U.K., reading for a dual honors degree in neuroscience and biochemistry (B.S. with honors) at Keele University. He received his Ph.D. from Imperial College London (D.I.C.) working at Chelsea and Westminster Hospital followed by a postdoctoral fellowship at the University of California, San Francisco. In 2012 Dr. Terrando moved to the Karolinska Institute as Assistant Professor and worked together with the European Society of Anesthesiology serving as preclinical coordinator for the EuroSTAR taskforce regarding anesthesia safety on the developing brain. He moved back to the US joining the faculty and establishing his laboratory at Duke University in 2015. Dr. Terrando's research is centered on surgery-induced neuroinflammation and perioperative neurocognitive disorders.



GIAMPAOLO TRIVELLIN

H-Index: 17
Sede lavoro: National Institutes of Health (Stati Uniti d'America)
SSD: 05 - Scienze biologiche
ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords: Endocrinologia, tumori ipofisari, gigantismo, acromegalia

My research activity concerns the study of genetic defects underlying tumors of the pituitary gland. I started by studying genetic defects in the AIP and CDKN1B genes during my Ph.D. at the University of Padova (Italy) in Prof. Carla Scaroni's lab and continued during my post-doctoral experience in Prof. Marta Korbonits's lab at the Queen Mary University of London (UK). I then continued my post-doctoral training in Dr. Stratakis's lab at the National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH), US. I recently identified a new gene, GPR101, involved in the most extreme cases of pituitary gigantism. My current work concerns the identification of GPR101 ligands and understanding how this gene regulates somatic growth by using transgenic animal models and cell lines. My career plan is to work within Academia and become a Principal Investigator in the field of Pituitary Endocrinology.

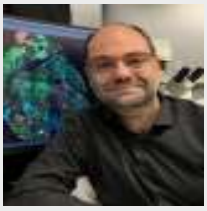


ALESSIA VOLPE

Sede lavoro: Memorial Sloan Kettering Cancer Center (Stati Uniti d'America)
SSD: 06 - Scienze mediche
ERC: LS7 Diagnostic tools, therapies & public health
Keywords: CAR T; Cancer Immunotherapy; Reporter-gene imaging; PET-CT

I graduated in 2012 from the University of Naples "Federico II" and trained as a cancer researcher in both Italy and the UK. In fact, after two years of internship at the Institute of Endocrinology and Experimental Oncology of the Italian National Research Council (CNR- IEOS), I went abroad to undertake a PhD in Cancer Imaging at King's College London, and successfully completed it in 2018. I subsequently started as a Research Associate on a Cancer Research UK-funded project focussed on the integration of medical imaging into cell-based cancer immunotherapies. Since August 2019 I hold a position as a Research Scholar in the Department of Radiology at Memorial Sloan Kettering Cancer Center in New York City. My research focuses on the development of novel and smarter strategies for CAR T-cell immunotherapy with a direct translation into cancer patients. I have extensive experience in in vivo cancer models, radionuclide-based reporter gene imaging and CAR T-cell therapy.

ROBERTO WEIGERT



H-Index:	36
Sede lavoro:	National Institutes of Health, National Cancer Institute (Stati Uniti d'America)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology
Keywords:	In vivo imaging, Cell Biology, Cancer Biology, Intravital, Head and Neck Cancer

Roberto Weigert is a Senior Investigator in the Laboratory of Cellular and Molecular Biology at the National Cancer Institute (NCI), National Institutes of Health (NIH). In 1992, he got his B.Sc. in Chemistry from the University of Catania, and in 1994 he joined the Mario Negri Institute, to investigate the homeostasis of the Golgi apparatus. In 2000, Dr. Weigert received his Ph.D. from the Open University of London and he joined the National Heart, Lung and Blood Institute at NIH where he focused on endocytic pathways. In 2006, he became Principal Investigator at the National Institute of Dental and Craniofacial Research where he pioneered Intravital Subcellular Microscopy, a novel imaging approach that enables the visualization of subcellular events in live animals making seminal contributions in the field of membrane remodeling. He was tenured in 2014 and in 2015 he moved to NCI, where he currently studies membrane dynamics during tumor initiation and progression

ROBERTA ZAPPASODI



Sede lavoro:	Cornell University, Weill Cornell Medical College (Stati Uniti d'America)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	cancer, cancer immunotherapy, checkpoint blockade, immunology, tumor, tcell

Roberta Zappasodi is an Assistant Professor of Hematology in Medicine in the Division of Hematology and Medical Oncology of the Department of Medicine at the Weill Cornell Medical College in New York and Visiting Investigator at Memorial Sloan Kettering (MSK) in New York. Her research program in cancer immunotherapy involves: 1) the study of the immune microenvironment in the pathogenesis of B-cell lymphomas and in the response of these diseases to immunotherapy; 2) the role of B-cell responses in the anti-tumor activity of immune checkpoint blockade therapy; and 3) the definition of T-cell-mediated suppressive mechanisms as targets and biomarkers of immunotherapy. The overall goal of her research is to identify biomarkers of immune and anti-tumor activity with immediate clinical application and to improve the understanding of the mechanisms underlying resistance to immunotherapy. She is a Parker Bridge Fellow at the Parker Institute for Cancer Immunotherapy (PICI).



ALESSANDRO ZOCCA

Sede lavoro:	California Institute of Technology (Caltech) (Stati Uniti d'America)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Probability, Stochastics, Complex networks, Statistical mechanics

After a pure mathematics education in Padova (BSc, 2010) and Cambridge (MSc, 2011), I obtained my PhD from Eindhoven University of Technology in December 2015. For my doctoral thesis, titled “Spatio-temporal dynamics of random-access networks: An interacting particle approach” I received the 2015 Applied Probability Trust Prize. From January 2016 until August 2017 I have worked as postdoctoral researcher at CWI (Amsterdam) in collaboration with prof. Bert Zwart on rare event modelling for energy networks. Since September 2017 I am a postdoctoral researcher in the RSRG group at the CMS department at Caltech. I have been awarded a NWO Rubicon grant, which funds my research at Caltech on the topic "Renewables and uncertainty in future power systems: Mathematical challenges and solutions”. My research focuses on stochastic networks models, motivated in particular by power grids in which uncertainty (both in power generation and demand) plays a crucial role.

SUDAFRICA



MANUELA CAMPA

Sede lavoro:	Stellenbosch University (Sudafrica)
SSD:	05 - Scienze biologiche 07 - Scienze agrarie e veterinarie
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology LS9 Applied life sciences & biotechnology
Keywords:	vegetale, biotecnologie, patologia vegetale, biologia molecolare

MANUELA CAMPA Postdoctoral research fellow Plant scientist/ Molecular biologist Career •1 November 2014 – Present: Postdoctoral research fellow, Stellenbosch University (Stellenbosch, South Africa), Genetics Department (Prof. Johan Burger) •15 October 2011 – 15 October 2014: Technologist, Fondazione Edmund Mach (San Michele all'Adige, Italy), Genomics and advanced biology laboratory •15 February 2011 – 1 October 2011: Postdoctoral research fellow, Politecnico di Milano (Milano, Italy), The Protein Factory lab (Prof. Loredano Pollegioni) •1 March 2009- 31 August 2010: Postdoctoral research fellow, Università degli studi dell'Insubria (Varese, Italy) (Prof. Marcella Bracale) •1 January 2008 – 31 December 2008: Postdoctoral research fellow, Parco Tecnologico Padano (Lodi, Italy) Education •Ph.D in Biotechnology, Università degli studi dell'Insubria (2004-2007) •Degree in Biological Sciences (MSc), Università degli studi dell'Insubria (1997- 2002)



TIZIANO CIRILLO

Sede lavoro:	AICS (Sudafrica)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	geomorfologia

2012-2018 Assistente Tecnico all'Università Eduardo Mondlane (Mozambico) in cooperazione internazionale e valutazione di qualità 2002-2006 Coordinamento Cooperazione universitaria Italia - Mozambico 1996-2000 Esperto in programmi di ricostruzione e sviluppo locale in Mozambico 1989-1996 Esperto cooperazione allo sviluppo presso il MAECI . Africa Australe 1987-1989 Progettista di sistemi informativi georeferenziati 1984-1987 Professore associato in Mineralogia - Università di Trujillo (Perù) 1982-1984 Professionista - Modellistica e Geoscienze 1980-1982 Geologo presso il Ministero dell'Industria del Mozambico (Progetto UNDESA) 1978-1980 Professore junior in Mineralogia e Petrografia - Università Eduardo Mondlane (Mozambico)



PAOLO DENTI

H-Index:	27
Sede lavoro:	University of Cape Town (Sudafrica)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Pharmacology, Pharmacokinetics, Pharmacometrics, HIV, Tuberculosis

Paolo Denti is an associate professor of pharmacometrics at the University of Cape Town, South Africa. He holds an MSc in computer engineering and a PhD in biomedical engineering from the University of Padua, Italy. Since 2009 he and his team apply mathematical modelling to better characterise the PK/PD of the treatment of HIV, tuberculosis, and malaria, and thus inform how to optimise dosing regimens. A focus of their research is on neglected populations, such as pregnant women, young children, and TB/HIV co-infected patients, for whom the current dosing guidelines lack

empirical evidence and are often based on inadequate extrapolations, putting these vulnerable patients at risk of poor treatment outcomes.



ALESSIA DINOI

Sede lavoro: University of Johannesburg (Sudafrica)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry

Alessia Dinoi is a Coastal and Marine biologist and ecologist. She was born in the cold Milan in Italy, but she had always been fascinated by the nature, in particular, by the sea. This reason built up her academic and professional career always related to the marine field. She attended the Bachelor Degree at the University of Milano-Bicocca and the Master degree at the University of Salento-Lecce Italy achieving high results. She started to collaborate with the Molecular lab at the University of Perpignan in France and with the University of Male- Maldives for different research projects. Nowadays she's finishing her third year of the Ph.D. in Molecular Zoology at the University of Johannesburg under the supervisor of Prof, Peter Teske. Full of enthusiasm for her passion and her research, she hopes to continue growing in the academic career and to improve the scientific knowledge.



FRANCO FRESCURA

Sede lavoro: Education Officer (Sudafrica)
SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: Vernacular architecture, ethnography, history, archaeology, indigenous knowledge systems (IKS), culture, symbology

Born Trieste on 28 September 1946; emigrated to South Africa in February 1956; graduated from University of the Witwatersrand with BArch in 1977, MArch (cum laude) in 1981 and PhD in 1986. Has held tenured academic positions at the Universities of the Witwatersrand, Port Elizabeth and KwaZulu-Natal. As of October 2018 has authored 17 books, 36 peer-reviewed publications, 136 research papers and 62 conference papers. Lectured extensively as Visiting Professor including appointments at universities in Italy, Germany, Iran, Britain, Viet Nam and the USA. From February 1990 served on a number of ANC national and regional structures, reporting back directly to either future President Nelson Mandela or Govan Mbeki, father of future President Thabo Mbeki. In 1993 represented the ANC at the CODESA Multi-Party Negotiations. Represented South Africa at UPU and SADC conferences in Windhoek, Pretoria, Mbabane, Beijing, Lusaka, Hong Kong, Singapore and San Francisco.



ENRICO GENNARI

Sede lavoro: Oceans Research (Sudafrica)
SSD: 05 - Scienze biologiche
ERC: LS8 Evolutionary, population & environmental biology
Keywords: biologia marina, ecologia marina, ecologia del movimento

Enrico Gennari's PhD was on the thermal physio-ecology of the white shark. He has been studying movement of large sharks for more than 12 years. He is the Director of Research at Oceans Research, an Honorary Research Associate of

SAIAB, an Associate Member at the Centre for Coastal Palaeosciences of the NMU and Research Associate at the Rhodes University's Department of Ichthyology and Fisheries Science. He is one of the founding members of the South African White Shark Research Group (SAWSRG) and the Southern African Movement Ecology Group. He was nominated for the Shark Advisory Group and the Marine Mammal Stranding Response Advisory Group by the South African Department of Environmental Affairs. He has published 14 papers. He has supervised 2 PhD, 9 MSc and 3 BSc (Hon) students, in collaboration with University of Pretoria, University of Cape Town, Rhodes University, Stellenbosch University, Sussex University (UK), University of Brussels (Belgium) and Dalhousie University (Canada).

LILIANA MAMMINO



H-Index:	14
Sede lavoro:	University of Venda (Sudafrica)
SSD:	03 - Scienze chimiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	chimica teorica, chimica computazionale, studio di molecole biologicamente attive, didattica della chimica, educazione allo sviluppo sostenibile

Degree in Chemistry from the University of Pisa (1973). PhD in chemistry from Moscow State University (1982). Worked extensively in Africa countries: National University of Somalia (1974-1975), University of Zambia (1988-1992), National University of Lesotho (1993-1996); from 1997, University of Venda (South Africa), where currently professor emeritus. Field of specialization: theoretical and computational chemistry, with major focus on the computational study of biologically active molecules. Other research interest: chemistry education, with main focus on conceptual understanding. Publications in both fields, totalling around 200 works. Active participations in international conferences. Participation in international projects and collaborations. Titular member of Division III of IUPAC (International Union of Pure and Applied Chemistry). One of the recipients of the IUPAC award for Distinguished Women in Chemistry and Chemical Engineering in 2013.

FRANCESCA PARRINI



H-Index:	9
Sede lavoro:	Professore Associato (Sudafrica)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Ecologia, Ungulati, Conservazione, Ecologia del Comportamento, Africa, Savana

Francesca Parrini è Professore Associato nella School of Animal, Plant and Environmental Sciences all'Università del Witwatersrand, Johanensburg, Sud Africa e Direttrice del Centre for African Ecology nella stessa Università. Ha conseguito la laurea in Science Biologiche (1999) all'Università degli Studi di Firenze. Nel 2007 ha conseguito un PhD in Ecologia Animale all'Università del Witwatersrand. Dopo 3 anni di post-, sempre in Sud Africa, nel 2010 e' stata assunta come Lecturer all'Università del Witwatersrand, promossa a Senior Lecturer nel 2011 e a Professore Associato nel 2014. Prof. Parrini ha al suo attivo piu' di 25 pubblicazioni e ha laureato 21 studenti di Honours, 20 studenti di MSc e 2 studenti di PhD. Prof. Parrini e' Associate Editor delle riviste Journal of Arid Environments e Methods in Ecology and Evolution. I suoi interessi sono ecologia, comportamento e conservazione di ungulati.

CLAUDIA POLESE



H-Index:	10
Sede lavoro:	University of the Witwatersrand (Sudafrica)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Aeronautical Metal Structures, Fatigue, Fracture Mechanics, Damage Tolerance, Innovative Aerospace Technologies, Laser Shock Peening, Friction Stir Welding, Titanium Machining, Mechanical Testing, Finite Element Analysis, Process Optimization

Professor Claudia Polese has a strong background in aeronautical metal structures and cutting edge manufacturing technologies. She obtained her Master and PhD at the Department of Aerospace Engineering of the University of Pisa, Italy. She worked as Research Engineer at the German Aerospace Center, Cologne, Germany, and in two European Framework Programmes focused on advanced structural concepts. In 2009 she was appointed Associate Professor in Aerospace Manufacturing and Design at the School of Mechanical, Industrial and Aeronautical Engineering of the University of the Witwatersrand, Johannesburg, South Africa, and Advisory Aerospace Research Director of the National Aerospace Centre. A National Research Foundation rated researcher from 2011, she is Co-ordinator of the DSI-NRF Centre of Excellence in Strong Materials-Strong Metallic Alloys Focus Area, and Head of the Aeronautical Engineering Stream.



ELEONORA PUCCINELLI

Sede lavoro:	University of Cape Town (Sudafrica)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Marine Biology

I am a Marine Ecologist specialized in trophic ecology of coastal intertidal and subtidal areas. My research mainly focuses on understanding the effects of climate change, environmental factors and human activities on trophic dynamics of these ecosystems, and to evaluate possible solutions to these threats. These concern effects on biodiversity and ecosystem functioning, as well as on the goods and services that natural ecosystems provide to human populations.



EMILIANO RAFFRENATO

H-Index:	8
Sede lavoro:	Stellenbosch University (Sudafrica)
SSD:	07 - Scienze agrarie e veterinarie
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	dairy, cows, cattle, ruminant, feed, forage

Emiliano completed a MSc and a PhD in Animal Science (Ruminant Nutrition) from Cornell University, focusing on factors associated with fibre digestibility in dairy cows. During his PhD he also developed new tools to describe how fibre digestion occurs in various feeds, in support of the CNCPS. Since his post-doctoral period he has examined the role of carbohydrate digestion and site of digestion on the partitioning of those substrates to milk and other functions. More recently, while being a lecturer at Stellenbosch University, he has also started looking at the link between cow nutrition and dairy products and he is developing a cheese model to be implemented in rural areas. He has collaborations with European, American, Australian and African scientists and has started multidisciplinary team-working with institutions

in Namibia, Benin, Malawi, Uganda and Zambia. He has supervised about 20 Master and PhD students and published more than 60 papers and abstracts.



FRANCESCO RUSSO

Sede lavoro:	University of Cape Town (Sudafrica)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	Algebra, Topology, Dynamical Systems

I am the director of the research unit ``Topology, Algebra and Dynamical Systems'' https://sites.google.com/site/topolalgeb/ at the Department of Mathematics and Applied Mathematics, University of Cape Town in South Africa. In addition I work as External Professor at the University of the Western Cape in Bellville, always in the area of Cape Town. My current research deals with Topology, Combinatorics, Algebra, Geometry and Dynamical Systems.



MARIA SURIANO

H-Index:	8
Sede lavoro:	University of the Witwatersrand (Sudafrica)
SSD:	14 - Scienze politiche e sociali
ERC:	SH6 The study of the human past
Keywords:	Storia dell'Africa subsahariana

Mi occupo di storia sociale, culturale e intellettuale del continente africano.



MATTIA VACCARI

H-Index:	56
Sede lavoro:	University of the Western Cape (Sudafrica)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Galaxy Evolution, Machine Learning, Cloud Computing

Mattia Vaccari e' un esperto di formazione e evoluzione delle Galassie, in particolare della identificazione e classificazione di sorgenti extragalattiche infrarosse e radio in database spettro-fotometrici multi-banda. E' Co-I di numerose survey radio di nuova generazione con i precursori di SKA, e in particolare e' responsabile dell'identificazione multi-banda per la survey sudafricana MeerKAT/MIGHTEE e coinvolto nella definizione del caso scientifico per le survey da realizzare con SKA. E' il PI di HIPPO (http://www.mattiavaccari.net/hippo/), un progetto che si propone di realizzare un sistema che permetta di sfruttare al meglio le survey radio di nuova generazione facendo uso di tecniche di Machine Learning e sistemi di Cloud Computing. Ha pubblicato 170 articoli con referee per un numero di citazioni pari a 11,300 e un h-index di 56.



MARCELLO VICHI

H-Index: 26
Sede lavoro: University of Cape Town (Sudafrica)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science

Marcello Vichi is Full Professor at the Department of Oceanography, University of Cape Town, and director of the Marine and Antarctic Research centre for Innovation and Sustainability (MARIS). His research interests are linked to interdisciplinary earth system processes, embracing coupled physical/biogeochemical processes in the global ocean; observations, simulation and parameterization of sea-ice dynamics and biogeochemistry; Antarctic policies and infrastructures, climate change impacts on marine/sea ice ecosystems, and process studies of physical/biogeochemical interactions in coastal and shelf seas.



University of the Western Cape

SVEZIA

ALFREDO BELLISARIO



Sede lavoro:	Dottorando (Svezia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Coherent X-ray Diffractive Imaging, Biophysics, Deep Learning, Quantum Optics

Ph.D. student at Uppsala University developing deep-learning algorithms for coherent diffractive imaging experiments at X-ray Free Electron Lasers.

STEFANO BONETTI



H-Index:	26
Sede lavoro:	Stockholm University (Svezia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

My research focuses primarily on the ultrafast spin and phonon dynamics of quantum materials, driven with strong laser fields, in particular in the near-infrared and terahertz range. The response of these materials is probed with table-top femtosecond lasers, and with femtosecond x-ray pulses generated at free electron laser facilities.

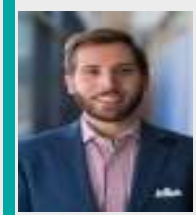
VLADIMIR CARLI



H-Index:	52
Sede lavoro:	Karolinska Institutet (Svezia)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Psichiatria, Prevenzione del Suicidio, Promozione Salute Mentale

Vladimir Carli, MD, PhD. Associate professor of Psychiatry and Deputy Head of the National Centre for Suicide Research and Preventionof Mental Ill-Health (NASP), Karolinska Institutet (KI). He is the chair of the WPA Section of Suicidology, and Co-Director of the WHO Collaborating Centre for Research, Training and Methods Development in Suicide Prevention. Vladimir Carli was the project leader of the EU funded project Suicide Prevention through Internet and Media-based Suicide Prevention (SUPREME), assistant Project Leader of the 7th Framework Programme EU funded projects Saving and Empowering Young Lives in Europe (SEYLE) and Working in Europe to Stop Truancy Among Youth (WE-STAY). Vladimir Carli is PI at Karolinska Institute for the Horizon2020 projects NEVERMIND and EXPERIENCE and deputy PI for the POTION H2020 FET project.

CARMINE PASQUALE CERRATO



H-Index:	5
Sede lavoro:	Karolinska Institutet (Svezia)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry

Keywords: Drug delivery, Peptides, Cell death, Cell clearance

I am a dedicated researcher, meticulous and well organized. Appreciated for building trust in relations and sharing creative solutions to challenging research problems. I enjoy working as part of a team, as well as, being capable of working independently and critically overseeing my own research projects. I combine a broad background in peptides and probes chemistry, cell and molecular biology, data analysis and imaging applications. I have acquired a strong background in neuroscience, with my MSc course in Medical and Pharmaceutical biotechnology and PhD programme in Neurochemistry with Molecular Neurobiology. Beside my academic studies, I expand my knowledge within the pharmaceutical chemistry field by joining Prof. Kelley's laboratory at University of Toronto for a Postdoctoral Fellowship and now continuing in the field of molecular toxicology at Karolinska Instirutet in Prof. Fadeel laboratory.



MATTEO CIAMBEZI

Sede lavoro: MaxIV Laboratory (Lund University) (Svezia)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics PE5 Materials & Synthesis
Keywords: Sincrotrone, raggi-x, diffrazione, assorbimento, batterie, perovskite,

Postdoctoral researcher at MaxIV Synchrotron (Sweden)



FRANCESCA CURBIS

Sede lavoro: Lund University (Svezia)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: Acceleratori

Associate professor in Accelerator Physics at Lund University (Sweden). Graduated in Physics at University of Rome “La Sapienza”, I obtained a PhD from University of Trieste in 2008, with an experimental thesis at Sincrotrone-Elettra. After a short stay at MAX-lab (Lund, Sweden), I worked as postdoc at DESY-Hamburg within the seeding FLASH experiment. I returned to Sweden in 2011 where since then I conduct research and I teach on Free-electron lasers and accelerator physics.



ANDREA DE GIORGIO

Sede lavoro: KTH Royal Institute of Technology (Svezia)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE6 Computer science & informatics PE8 Products & process engineering
Keywords: machine learning, artificial intelligence, procedural knowledge, industry 4.0, human-robot collaboration, robotics, virtual reality

Andrea is currently a PhD Candidate in Production Engineering at KTH Royal Institute of Technology. He was a member of the Board of Directors at KTH from July 2016 to June 2018. He has a BSc in Electronic Engineering and a MSc in Computer Science and Engineering with major in Machine Learning. Andrea's current research focuses on procedural knowledge transfer for human-machine collaboration, applied to operator-centered assembly lines, runtime failure prevention in process planning and path planning of robot manipulators. He is also researching on industrial uses of augmented and/or virtual reality and safety of operators working with industrial robots.

EMILIANO DE SANTIS



H-Index:	5
Sede lavoro:	Uppsala University (Svezia)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 05 - Scienze biologiche
ERC:	PE3 Condensed matter physics
Keywords:	md simulations, photon matter interaction, fel, synchrotron

I am a PhD in biophysics and I am currently a postdoc researcher at the university of Uppsala (Sweden).

LUCA DI STASIO

Sede lavoro:	Luleå University of Technology (Svezia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	Fracture Mechanics, Materials Modeling, Numerical Simulations

I am a Professional Engineer (Italian License, 2013). I completed a Ph.D. in Polymeric Composite Materials at Luleå University of Technology (2019) and a Ph.D. in Materials Science at Université de Lorraine (2019). I earned a M.Sc. in Space Engineering from Politecnico di Milano (2013); a M.Sc. in Mechanical Engineering from Drexel University (2012); a B.Sc. in Aerospace Engineering from Politecnico di Milano (2010). To know more about me visit http://www.lucadistasioengineering.com.

FRANCESCO FLAMMINI



H-Index:	22
Sede lavoro:	Mälardalen University (Svezia)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE6 Computer science & informatics
Keywords:	Affidabilità e sicurezza dei sistemi autonomi

Francesco Flammini ha ottenuto la laurea con lode in Ingegneria Informatica (2003) ed il Dottorato di Ricerca in Ingegneria Informatica e Automatica (2006) presso l'Università di Napoli Federico II. Dal 2020, è professore ordinario di informatica con specializzazione sui sistemi cyber-fisici presso la Mälardalen University (Svezia). Ha avuto esperienze professionali e di ricerca sia nel mondo industriale (tra cui Ansaldo STS, Poligrafico dello Stato italiano) che in quello accademico (tra cui University of Maryland University College Europe, Linnaeus University). È attualmente membro Senior dell'IEEE, presidente del comitato tecnico IEEE SMC sulla Homeland Security, e coordinatore delle conferenze per l'iniziativa IEEE Digital Reality. È autore di oltre 150 pubblicazioni scientifiche su libri, riviste e atti di congressi internazionali. I suoi interessi di ricerca più recenti riguardano l'autonomia sicura e la resilienza dei sistemi cyber-fisici intelligenti.

TIZIANA FUOCO



H-Index: 15
Sede lavoro: Uppsala University (Svezia)
SSD: 03 - Scienze chimiche
ERC: PE5 Materials & Synthesis
Keywords: Chimica Macromolecolare, Polimeri, Copolimeri degradabili

I was born in Salerno, Italy. I graduated Cum Laude, in Chemistry at University of Salerno in 2012 and received a PhD degree in Chemistry from the same University in 2016. Right after, I held a two-year postdoctoral research position in Polymer Technology at KTH and in 2018 was appointed as researcher. From January 2021 to January 2023, I have been Principal Investigator at KTH. From February 2023 I am Associate Professor of Chemistry at Uppsala University. My research field is Polymer Chemistry and, as a chemist, my ambition is to solve design issues to contribute to the development of degradable and functional copolymers. I have been awarded the most prestigious grants for early-career researchers in Sweden: e.g. VR and FORMAS starting grants. I am one of 16 Future Research Leader 8, selected by the Swedish Foundation for Strategic Research. I am co-author of 32 peer-reviewed scientific articles, inventors of patents and co-funders and CTO of the start-up Akira Science.

FRANCESCO FUSO NERINI



Sede lavoro: Associate Professor (Svezia)
SSD: 08 - Ingegneria civile e Architettura 14 - Scienze politiche e sociali
ERC: SH3 Environment & society

Francesco Fuso Nerini is Associate Professor at the KTH Royal Institute of Technology, and is the Director of the KTH Climate Action Centre. His focus is on addressing multi-disciplinary sustainable development related issues – including how future climate change and action, energy choices, and AI will affect the achievement of the sustainable development goals. Francesco has worked at several leading institutions on energy and climate issues, such as University College London, the International Energy Agency, the Payne Institute for Public Policy, and Melbourne University. Francesco holds a PhD and Docent degree in Energy and Environmental Systems Analysis from KTH, and 3 MSc degrees in Environmental and Sustainable Energy Engineering (from Politecnico Di Milano, Italy; UPC, Spain; and KTH,Sweden).

ALESSANDRO GASPARINI



Sede lavoro: Karolinska Institutet (Svezia)
SSD: 13 - Scienze economiche e statistiche
ERC: LS9 Applied life sciences & biotechnology
Keywords: Biostatistica, statistica, epidemiologia, data science

I am currently a post-doctoral researcher in biostatistics and biostatistician at the Department of Medical Epidemiology and Biostatistics, Karolinska Institutet, Stockholm, Sweden. I started my post in 2019, after defending my PhD thesis in biostatistics at the University of Leicester, Leicester, United Kingdom. My current research focusses on developing joint natural history models for latent breast cancer tumour growth and metastatic spread. Other methodological topics I am interested in: statistical simulation, survival analysis, joint longitudinal-survival modelling, and computational statistics. Conversely, my applied epidemiological research focusses on the areas of chronic kidney disease and intensive care medicine. I am an avid R user and developer, and currently maintain the following packages published on the Comprehensive R Archive Network (CRAN): {comorbidity}, {rsimsum}, {KMunicate}.

LORENZO GRASSI



H-Index:	12
Sede lavoro:	Universitá di Lund (Svezia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Ingegneria Biomedica, Biomeccanica

Mi sono laureato in Ingegneria Biomedica a Pisa. Dopo la laurea mi sono approcciato alla ricerca nell'ambito della biomeccanica delle ossa al Laboratorio di Tecnologia Medica dell'Istituto Ortopedico Rizzoli di Bologna. Dopo 3 anni a Bologna mi sono trasferito a Lund, Svezia, per conseguire il dottorato di ricerca in Ingegneria Biomedica. Sono ad oggi ancora all'Universitá di Lund dove lavoro come ricercatore.

LUIGI PRADA



H-Index:	0
Sede lavoro:	Uppsala University (Svezia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH6 The study of the human past
Keywords:	Egyptology, Papyrology, Ancient History, Archaeology

Currently Assistant Professor of Egyptology, Uppsala University 2018 – 2020 British Academy Research Fellow The Oriental Institute, University of Oxford 2017 - 2018 - Visiting Associate Professor in Egyptology Department of Cross-cultural and Regional Studies, University of Copenhagen / Research Associate, The Oriental Institute, University of Oxford 2013 – 2017 Lady Wallis Budge Junior Research Fellow in Egyptology University College (in association with The Oriental Institute), University of Oxford 2014 – 2016 Theodor Heuss Research Fellow (annual visiting fellowship during the summer months, July – September inclusive) Alexander von Humboldt Foundation and Ruprecht - Karls - Universität Heidelberg, Ägyptologisches Institut 2014 – 2015 Departmental and College Lecturer in Egyptology and Coptic The Oriental Institute and University College, University of Oxford

ORIANA QUAGLIETTA



Sede lavoro:	PhD candidate - Doktorand (Svezia)
SSD:	14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour SH5 Cultures & cultural production
Keywords:	Sociologia, teorie femministe, intersectionality

I am currently a PhD candidate at the department of Sociology at Lund University (Sweden). My project focuses on women's involvement with drugs in Sweden, their practices, and the meanings they have attributed to their experiences, using feminist theories and praxis as a departure point. My academic background is in Criminology and International Affairs, but I have also experience working in international organisations, such as the US Embassy in Rome and the International Organisation for Migration.

PAOLO SODA



H-Index:	22
Sede lavoro:	Umeå University, Department of Radiation Sciences (Svezia)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health PE6 Computer science & informatics
Keywords:	Artificial Intelligence, machine learning, image processing, federated learning, medical imaging, cancer, predictive medicine, energy, social media analysis

Paolo Soda is Full Professor of Computer Science and Computer Engineering at University Campus Bio-Medico di Roma, and Visiting Professor in Biomedical Engineering and AI at the Dept of Radiation Sciences, Umeå University, Sweden. He is vice-coordinator of the Health and Life Sciences area of the National PhD program in AI. His research interests include AI, machine learning, big data analytics, with applications to data, signals, 2D and 3D image and video analysis. He was team leader of the research groups that won the two international competitions on COVID image analysis, at 2022 Dubai Expo and IEEE 2021. Three research papers he co-authored were awarded at IEEE Life Sciences Conference 2017, IEEE Int Conf on Bioinformatics and Biomedicine 2018, IEEE Int Conf on Cognitive Informatics & Cognitive Computing 2018, IEEE Int Conf on Computer-Based Medical Systems 2021. He is a member of IEEE, CVPL and SIBIM, and chairs the IEEE Int Technical Committee for Computational Life Sciences.

ERICA ZEGLIO



Sede lavoro:	KTH Royal Institute of Technology (Svezia)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 05 - Scienze biologiche
ERC:	PE5 Materials & Synthesis
Keywords:	bioelettronica organica, polimeri conduttori, elettrochimica

Erica Zeglio ha ricevuto un PhD in "Biomolecular and Organic Electronics" nel Gruppo del Prof. Olle Inganäs presso l'Università di Linköping (Svezia) nel 2016. Nel 2017, si è trasferita in Australia dove ha lavorato nel gruppo della Dr.ssa Damia Mawad presso l'Università del New South Wales (UNSW, Sydney). Da ottobre 2017 ad agosto 2018 è stata assegnista di ricerca presso l'HEARing CRC all'Intelligent Polymer Research Institute (Università di Wollongong). Nel 2018, ha ricevuto una borsa dal Consiglio di Ricerca Svedese per svolgere un postdoc nel gruppo della Dr.ssa Mawad a UNSW e in collaborazione con la Assist. Prof. Herland a KTH. Nel 2021 ha vinto una borsa Marie Curie Individual Fellowship per continuare la sua attivitá di ricerca a KTH. Il suo lavoro si concentra sulla bioelettronica organica: dagli aspetti fondamentali della chimica dei polimeri coniugati, alla fabbricazione di dispositive elettronici, e modalitá per interfacciarli al mondo del biologico.

SVIZZERA

MARCO ANDREINI



H-Index:	6
Sede lavoro:	CERN - European Organization for Nuclear Research (Svizzera)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Structural Engineering, Fire Safety, Civil Engineering, Reliability Engineering

Marco Andreini is currently the Structural Safety Specialist of the Prevention & Safety Engineering Expertise Section (HSE unit) of the European Center for Nuclear Research (CERN) in Geneva. He gained his degrees at the University of Pisa, where he dealt with several topics of civil engineering, among which are structural consolidation of ancient buildings, seismic retrofit of civil constructions and mechanical behavior of masonry structures subjected to the fire action. He finalized his academic career as a postdoctoral scholar at the Mid American Earthquake center of the University of Illinois at Urbana-Champaign, where he dealt with the probabilistic approaches to engineering. He is co-author of more than 50 scientific works among journal papers, international conference proceedings and book parts.

GIAN MARIA ANNONI



H-Index:	40
Sede lavoro:	uni friburgo (Svizzera)
SSD:	06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	neuroscienze

Born in 1956 in Geneva, having completed my medical degree in 1981 in Geneva and my MD in 1985 in Zurich, I obtained my FMH in neurology in 1989, my PD in 2000 at the University of Geneva. My teaching domain involves mostly under-graduated (3-5th year) clinical neurology, and post graduated behavioural neurology.. Since 2011 I am professor of Neurolgy at the University of Fribourg, where I combine clinical activity, teaching program and research project with the laboratory of cognitive and neurological sciences (lcns). My expertise in research tackles predominantly the fields of bilingualism, decision taking and social cognition

ALBERTO ANTONIETTI



H-Index:	13
Sede lavoro:	EPFL (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS5 Neurosciences & neural disorders PE7 Systems & communication engineering
Keywords:	neuroengineering, computational neuroscience, neurorobotics, bioengineering

Alberto Antonietti got his Ph.D. in Bioengineering at Politecnico di Milano (Italy), and he is currently a Researcher at Blue Brain Project/EPFL in Geneva (Switzerland). He has been working in computational neuroscience and neuroengineering. His research interests revolve around the simulations of brain circuits, mainly cerebellum, hippocampus, and somatosensory cortex, at different levels of detail, ranging from biophysical models to simplified neural networks. He is also interested in neurotechnologies, such as Brain-Computer Interfaces and Artificial Intelligence methods applied to neuroscience, focusing on their usability, robustness, and trustworthiness. He is the vice president

of the Young Swiss Society for Neuroscience. In addition, he is actively involved in various IEEE working groups and in the promotion of good research practices, standards, open science, and reproducibility.



ANTONIO ARCIDIACONO

Sede lavoro: European Broadcasting Union (www.ebu.ch) (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering

Director of Technology & Innovation at the European Broadcasting Union (www.ebu.ch), manages a team of experts coordinating the R&D&I activities of EBU members. Participated in the development and launch of GSM of the first digital TV services. Pioneer in the convergence between Media & Internet since the mid-1990s conceived and launched the DVB-IP standard. Launched the first satellite Internet services, and later the first satellite IP terminal for less than $ 100. After a few years at the European Space Agency, he joined Eutelsat taking part in the key stages of its development from an IGO to privatization in 2001 and IPO in 2005. Founding and Board member of DVB since its creation in 1993. As Eutelsat's Director of Innovation, developed the first satellite IOT system and services and the first satellite OTT services. He also worked for Telespazio and Selenia Spazio. Owns 19 international patents, editor of Tech-i, magazine dedicated to innovation in the world of Media.



GIANLUIGI ARDUINI

Sede lavoro: CERN - European Organization for Nuclear Research (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: Acceleratori,particelle

Gianluigi Arduini graduated in Physics at the University of Milan in 1991. After having participated to the design of an accelerator for a Hadron-Therapy Centre for Italy from 1992 to 1995 he has joined CERN as a staff member. His main activities at CERN have been the operation and the performance improvement of the CERN accelerator complex He has contributed to the LHC Commissioning and Operation during Run I as Machine Coordinator. He is presently Senior Accelerator Physicist and Leader the Accelerators and Beam Physics Group of the Beams Department. Since 2013 he is responsible of the Work Package "Accelerator Physics and Performance" in the High Luminosity LHC Project.



FRANCESCO ARESE VISCONTI

Sede lavoro: Webster University (Svizzera)
SSD: 14 - Scienze politiche e sociali
ERC: SH5 Cultures & cultural production
Keywords: identità, migrazione, ritratto, fotografia

Francesco Arese Visconti (1971) is an experienced and published freelance photographer. He worked for important museums and public institutions. Arese Visconti is the Head of the Media Communications department and Photography Program Coordinator at Webster University Geneva. As member of the research faculty at Webster, he focuses his work on the migration processes in Switzerland and in Italy. In 2012, he published the book 'New World – Stories of African Immigration and Integration in Switzerland.' In 2015, Arese Visconti completed two projects on the Italian-Chinese community in Prato (Itay): 'Hidden Identity – The Italian-Chinese community in Prato' and 'We, Prato.' His current work is about Italian migration in the Swiss Confederation. Ten images from this research project

were exhibited in 2015 at the EXPO in Milan and are part of his PhD research at the University of Westminster (UK). Arese Visconti is also member of the Union Suisse des Photographes Professionnels (USPP).



FABIO AVINO

H-Index:	9
Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	FIsica del Plasma

Educazione: Ph.D in Fisica, Centre de Recherches en Physique des Plasmas (CRPP), EPFL, Lausanne (Switzerland), 2011 -- 2015. Turbulence at the boundary of toroidal plasmas with open and closed magnetic flux surfaces. Master in Fisica, Università di Roma "La Sapienza" - Frascati ENEA centre, Roma (Italy), 2008 -- 2010. 110 cum laude/110 Tesi: Refrattometria su plasmi di interesse termonucleare Bachelor in Fisica, Università di Roma "La Sapienza", Roma (Italy), 2005 -- 2008. 110 cum laude/110 Tesi: Transportable X-Ray Fluorescence for the analysis of Cultural Heritage objects. Fellowships \& Awards: Maire Sklodowska-Curie Fellowship, Conseil européen pour la recherche nucléaire (CERN), Geneve (Switzerland), 2017 Recognition for exceptional assistantship work at EPFL, Centre de Recherches en Physique des Plasmas (CRPP), EPFL, Lausanne (Switzerland), 2014 Internship at the Joint European Torus, Culham Science Centre, Abingdon (United Kingdom), 2010 -- 2011.



PATRIZIA AZZI

Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

Dr. Patrizia Azzi is a First Researcher in Experimental Particle Physics for the Section of Padova of the Istituto Nazionale di Fisica Nucleare (INFN), Italy. She graduated with honors in 1992 and obtained her Ph.D. in 1996 from the University of Padova. She has spent most of her career at the forefront of research, holding positions of responsibility in the various experiments at international laboratories. Member of the CDF experiment at the Fermilab Tevatron, since 1992, leading the Top Physics group in 2002. In 2005 she joined the CMS experiment at CERN where she has held various roles (coordinator of the "Physics and Performance Data", and physics convener for B2G and Future Physics). Dr. Azzi is currently leading the "Physics Performance" group of the Future Circular Collider Project at CERN and is part of the ECFA workshop for Future Higgs factories. During her 20+ years of experience, she has authored more than 1000 publications, and she has received several fellowships from



ALBERTO BACCHELLI

H-Index:	31
Sede lavoro:	University of Zurich (Svizzera)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics

Dr. Bacchelli is an associate professor of Empirical Software Engineering at the University of Zurich, Switzerland, where he leads the Zurich Empirical Software Engineering Team (ZEST). His broader research vision is to move software engineering away from decisions based on intuition, or development activities painstakingly conducted manually, into

solutions created using data-driven mathematical models, which make use of the large amount of information available during the software engineering process. He has received the MSR Ric Holt Early Career Achievement Award 2020 for his seminal contributions to modern code review. He is recipient of in total six Best Paper Awards and ACM SIGSOFT Distinguished Paper Awards, awarded from the top academic venues in software engineering and computer supported collaborative work.



MORENO BARUFFINI

H-Index:	2
Sede lavoro:	Università della Svizzera italiana (Svizzera)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets

Dr. Moreno Baruffini (1980) is an economist and environmental engineer. He works in the fields of regional sciences and statistics. Moreno Baruffini graduated with honours from the Politecnico di Milano (Italy) with a dissertation in regional sciences, in which he applied a foresight method to a spatial planning case study. He worked at the METID Centre (Metodi E Tecnologie Innovative per la Didattica) at the Politecnico di Milano and at the Institute of Earth Sciences of the University of Applied Sciences of Southern Switzerland SUPSI. In his Phd dissertation at the Faculty of Economics, Università della Svizzera italiana (USI) he analysed labour market flexibility, security and complexity in the Swiss context. His current academic work concerns the analysis of European cross-border labour markets and border-regional economics, specifically focusing on trans-border mobility, “flexicurity” and technological change.



EMANUELA BENINCASA

Sede lavoro:	University of Zurich (Svizzera)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets

My name is Emanuela Benincasa. I am currently a Ph.D. student in Finance at the University of Zurich -Department of Banking and Finance and Swiss Finance Institute. I am a teaching assistant for the master-level class Theory of Financial Intermediation and Banking at the University of Zurich and I work as a research consultant for the European Investment Bank (EIB) for a project on Climate Finance, which would be part of my dissertation. I was born and raised in Nocera Inferiore, where my family is currently living. I obtained a Master’s degree (MSc) in Finance from the University of Siena and the University of Ljubljana, School of Economics and Business under a double degree program. I have a very short experience in the industry, where I was a trainee in the Local Settlement team of the BNP Paribas in Milan.



LAURA BERNARDI

H-Index:	22
Sede lavoro:	UNIL (Svizzera)
SSD:	13 - Scienze economiche e statistiche 14 - Scienze politiche e sociali
ERC:	SH1 Individuals, institutions & markets SH2 Institutions, values, beliefs and behaviour SH3 Environment & society
Keywords:	Demografia, Percorso di vita, Famiglia, Vulnerabliità, Diseguaglianze sociali

Positions (current and most recent) •Full Professor of Sociology and Demography of the Life Course, University of Lausanne, Switzerland (Aug. 2016-present) •Member of the Swiss National Research Council (Jan. 2018-present)

•Editor-in-Chief of Advances in Life Course Research by Elsevier (Jan. 2017-present) •Deputy Director of the NCCR LIVES, University of Lausanne and University of Geneva (2011-2017) Projects funding (selected list) •2011–2018 Swiss National Fund for the establishment of the National Centre for Competence LIVES: Overcoming Vulnerability in the Life Course - Co-PI and Deputy Director •2013-2017 European Union's Seventh Framework Program for the Project Families and Societies; National team leader •2007–2010 European Commission Reproductive Decisions (REPRO) - Co-PI. •2004–2007 US National Institute of Health and the National Science Foundation Explaining Low Fertility in Italy - Co-PI.



CRISTIANA BERTI

Sede lavoro:	EPFL (Svizzera)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche 06 - Scienze mediche
ERC:	PE5 Materials & Synthesis
Keywords:	Nanoparticles, Cancer Vaccines, Immunology, Cell Culture, Flow Cytometry, Clinical Trials

During my Master's Degree in Pharmaceutical Biotechnology I was immediately interested in the translational part of drug development, especially clinical translation. In 2016 I accepted a position as PhD candidate at EPLF in the Laboratory of Polymers that could allow me to develop, synthetize and characterize biocompatible Nanoparticles, test them in vitro in human and murine primary cell lines and in vivo as cancer vaccines. During my PhD I could interact with a group of colleagues with different expertise background and various nationalities, practising daily English and learning French. I also took part to teaching and students' supervision activities, as well as a Technology Transfer PhD course. Outside academia I decided to follow two courses in Clinical Trials Management and GCP, since this is the field I would like to pursue after my PhD.



GABRIELE BERTOLINI

H-Index:	3
Sede lavoro:	ETHZ (Svizzera)
SSD:	01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC:	PE3 Condensed matter physics

I just obtained the doctoral degree in experimental Physics at ETHZ. I am determined now to move to high tech industry, and use my knowledge and skills to impact society's development more directly. I worked for many years in cutting edge laboratories for Surface Science, and Magnetism investigations. I have technical IT experience in data processing, analysis, gathering, and processes automation. I search for a competitive company with a friendly work environment to grow and encounter challenges to prove myself.



GIOVANNI BISOFFI

Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE5 Materials & Synthesis PE8 Products & process engineering
Keywords:	INNOVATION, ENERGY, ACCELERATORS, EVALUATOR

Since Sep 1, 2020 - Scientific Associate at CERN, on accelerators and radioisotopes for medical applications; energy efficiency of accelerators 2005-2020 - Head of the Accelerator Division at INFN-LNL, Italy. Since 2007 Director of Technological Research. Chair (c) or member (m) of: INFN (Italy) Machine Advisory Committee (c) INFN (Italy) national

coordination of accelerator technologies (c) Expert Group of LAL-IPNO (France) (m) Experts of Skolkovo Innovation Center (Russia) (m) Technical Board of ESS (Sweden) (m) FAIR Machine Advisory Committee (Germany) (m) Expert of ISTC (EU) (m) Experts on controlled thermonuclear fusion (EU) (m) Evaluators of INTAS (EU) (m) 2003-2005 Deputy Director of INFN-LNL, Italy 1988-2003 – INFN Researcher on circular accelerators, spectrometers, particle sources, linear accelerators, superconducting components 1987-1989 – PhD in Heidelberg University and Max Planck Institute (Germany)



DANIELE BOARETTI

Sede lavoro: ETH ZÜRICH (Svizzera)
SSD: 01 - Scienze matematiche e informatiche 06 - Scienze mediche
ERC: PE8 Products & process engineering

I graduated in Mathematical Engineering at Politecnico di Milano where I built the mathematical and numerical knowledge required for tackling new challenges through mathematical modelling and numerical simulations. I joined ETH Zürich in the advanced ERC grant which focuses on in vivo mechanomics of bone in the ageing mouse. My contribution is to combine the experimental data with a numerical model of bone remodelling and adaptation which links the organ scale to the cell and molecular scale. WIth this model we want to quantify and establish how bone remodelling is influenced in different conditions including diseases, treatment and loading.



SAVERIO BOLOGNANI

H-Index: 25
Sede lavoro: ETH Zurich (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering

Saverio Bolognani received the Ph.D. degree in Information Engineering from the University of Padova, Italy, in 2011. In 2006-2007, he was a visiting graduate student at the University of California at San Diego. In 2013-2014, he was a Postdoctoral Associate at the Laboratory for Information and Decision Systems of the Massachusetts Institute of Technology in Cambridge (MA). He is currently a Senior Scientist at the Automatic Control Laboratory at ETH Zurich. His research interests include the application of networked control system theory to power systems, cyber-physical systems, the intersection of nonlinear optimization with feedback control design, multi-agent systems, and game theory.



COSTANZA BONADONNA

Sede lavoro: Dipartimento di Scienze della Terra (Svizzera)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science
Keywords: Physical Volcanology; Volcanic hazards; Volcanic Risk

Costanza Bonadonna is an associate professor at the Department of Earth Sciences of the University of Geneva and Head of the CERG-C Program for the Assessment and Management of Geological and Climate related risk. She received her BS degree from the University of Pisa, Italy, and PhD degree from the University of Bristol, UK. She was then awarded the position of SOEST Young Investigator at the University of Hawaii and was later appointed the position of Assistant Professor at the University of South Florida. Costanza Bonadonna was a recipient of the President's Award of the Geological Society of London (2001), the IAVCEI Outstanding Recent Graduate (George Walker Award) (2004), the

Outstanding Woman in Science Award of the Geological Society of America (2004), and the USF Outstanding Faculty Research Achievement Award (2005). She has devoted most of her research to modeling sedimentation from volcanic plumes and developing probabilistic analyses for the assessment of volcanic risk.



JACOPO BORGA

H-Index: 5
Sede lavoro: University of Zurich (Svizzera)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations
Keywords: Probabilità

Sono Jacopo Borga, laureato in Matematica con doppio titolo a Padova e Parigi. Sto terminando il mio dottorato di ricerca all' Università di Zurigo (discuto a fine Giugno 2020). A breve mi trasferirò in California, dove mi è stata assegnata una cattedra da "Szegö Assistant Professor" per i prossimi tre anni all' Università di Stanford, Dipartimento di Matematica. La mia ricerca è nell'ambito della probabilità, più precisamente mi occupo di sistemi discreti aleatori. Ho vinto vari riconoscimenti per la mia ricerca e ho pubblicato più di 10 articoli in alcuni dei più prestigiosi giornali di ricerca matematica. Ho collaborato con vari ricercatori internazionali e sono stato invitato a vari meeting internazionali di ricerca matematica. Ho una profonda esperienza di insegnamento della matematica a livello universitario.



LUCA BOSETTI

Sede lavoro: ETH Zurich (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering
Keywords: separation processes, crystallization, particle technology, energy

•Doctoral researcher at ETH Zurich (crystallization, particle and separation processes). •Master degree in Process Engineering at ETH Zurich. •Bachelor degree in Aerospace Engineering at Politecnico di Milano. •Strong and wide engineering background. Project coordination and management skills. •Former president of the Scientific Staff in the MAVT Dep. of ETH (AV-MAVT). •Multi-sportive and outdoor activities enthusiastic. •Happy to bring sports to kids as J+S instructor (athletics and x-country ski). •Fluent in Italian, English, German and French; Intermediate in Spanish. •IT skills: Matlab, Microsoft Office, Office 365, Python, Jupiter, SQL, C, CAD programs (Solidworks, Solidedge, Autodesk Inventor), LATEX, BioChemDraw, (Halcon), (Polarion), (LabView)



CONCEZIO BOZZI

H-Index: 84
Sede lavoro: CERN (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

Sono primo ricercatore presso la sezione di Ferrara dell'INFN e project associate presso il CERN di Ginevra. La mia attività di ricerca si svolge nell'ambito della fisica sperimentale delle interazioni fondamentali. I miei interessi di ricerca comprendono: fisica elettrodebole e del flavour alla scala del bosone vettore Z0 (esperimento ALEPH al collisore LEP del CERN, Ginevra); fisica del flavour e violazione della simmetria CP nel settore del B (esperimenti BaBar al collisore PEP-II di SLAC, USA e LHCb al collisore LHC del CERN, collaborazione Heavy Flavour Averaging Group); ricerca e sviluppo di rivelatori di silicio a microstrisce (esperimenti ALEPH, CMS al collider LHC del CERN, BaBar), a pixel monolitici (progetto

P-ILC) e 3D con lettura del tempo (progetto TIMESPOT); calcolo scientifico, con particolare riguardo a simulazioni computazionali e calcolo distribuito (ALEPH, CMS, BaBar, LHCb, progetto INFN GRID)



SAVERIO BRACCINI

H-Index:	50
Sede lavoro:	University of Bern (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE4 Physical & Analytical Chemical sciences
Keywords:	Fisica sperimentale, accelaratori, rivelatori, fisica medica, radioprotezione

PD Dr Saverio Braccini is senior physicist at the Albert Einstein Center for fundamental Physics (AEC) - Laboratory for High Energy Physics (LHEP) of the University of Bern where he leads the research group on medical applications of particle physics. He proposed the realisation of the medical cyclotron laboratory at the Bern University Hospital, an innovative facility for radioisotope production and multi-discipliary research. He teaches general physics, medical radiation physics and radiation protection. He was formerly Technical Director of the Foundation for Oncological Hadrontherapy TERA at CERN in Geneva, where he contributed to the development of innovative accelerators and detectors for the treatment of tumours with hadron beams. In fundamental particle physics, he contributed to experiments at the Large Electron Positron Collider (LEP) and at the Large Hadron Collider (LHC) at CERN.



STEFANO BRAGATO

Sede lavoro:	University of Zurich (Svizzera)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Futurismo, F. T. Marinetti, Gabriele d'Annunzio, Editoria del Novecento, Rapporti transculturali, Editoria popolare, Letteratura urbana, Letteratura italiana,

Stefano Bragato is Oberassistent and SNSF Researcher in Italian Literature at the University of Zurich. He taught at the University of Reading (where he also obtained his PhD), and held a number of fellowships at different institutions, including the British School at Rome and the Fondazione Giorgio Cini (Venice). His work mainly focuses on three interrelated strands: avant-garde Italian literature and arts (see "Futurismo in nota: studio sui taccuini di Marinetti", 2018) fin-de-siècle literature (especially Gabriele d'Annunzio), and the cultural relations between Italy and Switzerland in the twentieth century (see the project "La gita a Chiasso", rose.uzh.ch/static/gitachiasso/).



GIANNI CAIAFA

Sede lavoro:	CERN , PhD Student - Magnetic Measurements (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Electrical Engineering, Metrology, Magnetic Measurements, Electromechanical Designer

My name is Gianni Caiafa and I am a 27-year-old Electrical Engineer. Currently,I am working at CERN as part of my PhD program. Thanks to this exciting and competitive programme, I have benefited greatly from the collaboration with the various section teams' at CERN. In particular, I was able to improve my communication and managerial skills,by

managing deadlines, resources and people in order to obtain desired results. CERN provides the opportunity of working on challenging projects with inter-disciplinary teams from which I have benefited greatly. Previously, I worked in a R&D team of an Aerospace company, designing fault-tolerant electromechanical actuators. During this experience, I had the possibility to improve my managerial skills. I am an enthusiastic, curious and motivated person that enjoys working in a collaborative environment and manages to encourage people from different teams and backgrounds to find creative solutions to achieve common goals.



ELISA CALAMITA

H-Index: 1
Sede lavoro: Eawag (Svizzera)
SSD: 02 - Scienze fisiche 04 - Scienze della terra
ERC: PE10 Earth system science

I am a postdoctoral researcher and my research interests are twofold: 1 - The use of remotely sensed data to detect climate change-related ecosystem shifts in lakes. The spatial dimensions of remotely sensed data lack a vertical component, but horizontal gradients could help a better understanding of internal processes of lakes and the identification of lake mixing or ecosystem anomalies. Seasonal overturning, indeed, often occurs with different timing across the lake. We aim at analysing the spatial patterns of remotely sensed lake water properties and link such patterns to documented anomalies or shifts of lake ecosystems. 2 - The effect of large dams on downstream water quality. Artificial river impoundments have several impacts on the river environment. Among others, they increase water residence time, thus causing water quality variations. Such alterations occur at different timescales, from seasonal to sub-daily.



LUCA CARICCHI

H-Index: 20
Sede lavoro: University of Geneva (Svizzera)
SSD: 04 - Scienze della terra
ERC: PE10 Earth system science
Keywords: Volcanoes, Geology,

I am an Earth Scientist focusing on the study of volcanic systems. I have expertise in material properties, geochemistry. I combine my skills to identify how the interaction between the chemistry and the physical properties of magmas controls geological processes such as the construction of the Earth's continental crust and volcanic eruptions. I am currently leading a European project targeting the understanding of the physical processes controlling the recurrence rate of volcanic eruptions at regional and global scale.



FEDERICO CARRA

H-Index: 9
Sede lavoro: CERN (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE5 Materials & Synthesis PE8 Products & process engineering
Keywords: Meccanica, termodinamica, materiali

Il curriculum e' allegato nel file pdf.



MARCO CATALANO

Sede lavoro: Swiss Federal Institute of Technology (ETH) Zürich (Svizzera)
SSD: 03 - Scienze chimiche 05 - Scienze biologiche
ERC: LS7 Diagnostic tools, therapies & public health

In 2012, I had my first international experience taking part in the International Chemistry Olympiad (IChO) as winner of the Italian national selection by achieving an outstanding bronze medal. In the same year, I enrolled at the University of Pavia attending a Bachelor degree in chemistry. Furthermore, I have been accepted by Collegio Ghislieri and IUSS. During the bachelor, I joined Fagnoni's group for about a year working on a photochemistry project. In 2015 and then again in 2017, I spent in total 9 months in the laboratory of Prof. Sir Shankar Balasubramanian, University of Cambridge, UK. Nevertheless, in the first year of the master I won the Harvard Armenise Summer Fellowship and I joined the Nathanael Gray's Lab, Harvard Medical School, USA for a summer internship. In all these experiences, I cultivated an increasingly passion about the biology of cancer cells. This is the reason why I decided to join the Professor Dario Neri's group at the ETH for the current PhD.

SANDRO CATTACIN

Sede lavoro: Université de Genève (Svizzera)
SSD: 14 - Scienze politiche e sociali
ERC: SH1 Individuals, institutions & markets SH5 Cultures & cultural production
Keywords: sociologia generale, politiche sociali e della salute, sociologia urbana

My main research interest is in the relation between organised civil society and institutional actors. I have extensively published on topics like corporatism, representation of civil society organizations in politics and comparative welfare system analysis. Concrete fields of analysis are the urban context and health and social institutions and policies



ALBERTO CATTANEO

Sede lavoro: Università di Zurigo (Svizzera)
SSD: 01 - Scienze matematiche e informatiche
ERC: PE1 Mathematical foundations

Education: Degree in physics (laurea), Università degli Studi di Milano, 1991. Ph. D. in theoretical physics, Università degli Studi di Milano, 1995. Positions: Harvard University: Post-doc at the Physics Department, 1995-1997. Milan University: Post-doc at the Mathematics Department, 1997-1998. Zurich University: Assistant Professor at the Institute of Mathematics, 1998-2003. Zurich University: Full Professor at the Institute of Mathematics, 2003-present. Zurich University: Deputy Director of the Institute of Mathematics, August 2013-July 2015. Zurich University: Director of the Institute of Mathematics, August 2015-July 2017. Honors: ICM invited speaker (Section Mathematical Physics), Madrid 2006. Fellow of the American Mathematical Society.



MARCO CÈ

Sede lavoro: European Organization for Nuclear Research (CERN) (Svizzera)
SSD: 02 - Scienze fisiche

ERC:	PE2 Fundamental constituents of matter

After studying physics at Università degli Studi di Milano-Bicocca, I obtained my PhD from Scuola Normale Superiore di Pisa in 2017. Since 2019 I am a fellow in the department of theoretical physics at CERN with a Marie Skłodowska-Curie Actions (MSCA) Individual Fellowship. My main research interest is in the solution of Quantum Chromodynamics, the sector of the Standard Model of particle physics responsible for strong interactions, using numerical methods based on the lattice discretization of the theory.



LUCA CHIAPPERINO

H-Index:	9
Sede lavoro:	University of Lausanne (Svizzera)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	Filosofia morale, bioetica, Studi della scienza e della tecnica (STS)

Current Position: SNSF Ambizione Lecturer (Maître Assistant Ambizione FNS), University of Lausanne, Faculty of Social and Political Sciences Research interests: My research interests lie at the intersection of Science and Technology Studies and Bioethics, with a specific focus on the production of value-laden claims and norms in practices of knowledge-making in biomedical research and innovation. Doctoral Studies (2011-2015) in: Foundations of the Life Sciences and their Ethical Consequences (FOLSATEC) Affiliation: European School of Molecular Medicine, European Institute of Oncology & University of Milan Dissertation: “From consent to choice: the ethics of empowerment-centred healthcare” Supervisors: Prof. Giuseppe Testa, Prof. Per-Anders Tengland (Malmö University) Final grade: Excellent



GIULIA CRESTINI

Sede lavoro:	Univeristy of Zurich (Svizzera)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH2 Institutions, values, beliefs and behaviour
Keywords:	psicologia del consumatore, marketing, brand

During my university career I discovered the passion for the universe of consumer related topics. This pushed me to choose the M.Sc. in Marketing, where I could deepen my knowledge regarding consumer psychology and behavior, topics that still define my core PhD research. Moreover, along the logics of strategic branding I am eager to learn as much as possible throughout marketing literature and to generate innovative and interesting consumer insights and implications.



LAURA DE LORENZIS

H-Index:	54
Sede lavoro:	ETH Zurich (Svizzera)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering

Laura De Lorenzis received her degrees from the University of Salento, where she became Assistant and then Associate Professor. In 2013 she moved to the TU Braunschweig as Professor and Director of the Institute of Applied Mechanics. There she was the first Chair of the Center for Mechanics, Uncertainty and Simulation in Engineering. Since 2020 she is

Professor of Computational Mechanics at ETH Zürich. She was visiting scholar at Chalmers University of Technology, the Hong Kong Polytechnic University, MIT (Fulbright Fellowship), the Leibniz University of Hannover (Alexander von Humboldt Fellowship), UT Austin and the University of Cape Town. She is the recipient of several prizes, including the RILEM L'Hermite Medal 2011, the AIMETA Junior Prize 2011, the IIFC Young Investigator Award 2012, the Euromech Solid Mechanics Fellowship 2022, two best paper awards and two student teaching prizes. In 2011 she was awarded an ERC Starting Grant. She has published over 120 journal papers.



MARTA DUCHI

Sede lavoro: Universita' di Zurigo (Svizzera)
SSD: 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences
Keywords: Chimica Fisica

FP-RESOMUS fellow from 2021. Energetic and motivated postdoc in physical chemistry. Hard worker, able to adapt to the different working environment.



ANTONIO EREDITATO

H-Index: 130
Sede lavoro: University of Bern (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

I got my PhD with a thesis on neutrino physics. I had positions in Strasbourg, CERN, Nagoya and INFN. In 2016 I become Full Professor of Experimental Particle Physics in Bern and Director of LHEP and later of the AEC. My research includes experiments on hadronic interactions, neutrino physics, collider physics, antimatter and development of novel particle detectors. I have been Spokesperson of the OPERA experiment. I participated in the discovery of the Higgs boson and of the appearance of neutrino oscillations. I authored more than 1000 scientific publications. I served in international scientific committees: LHCC, CNGS, SPSC at CERN, PAC at JINR Dubna. I have been editor of the New Journal of Physics and presently Editor-in-Chief of Instruments. I served in several international funding committees, in particular the Swiss National Science Foundation (SNSF) Council. I supervised about 60 Master and PhD students. In 2016 I was awarded the Breakthrough Prize in Fundamental Physics.



MARISA FOIS

Sede lavoro: Université de Genève (Svizzera)
SSD: 14 - Scienze politiche e sociali
ERC: SH5 Cultures & cultural production SH6 The study of the human past
Keywords: Nord Africa, Post-colonialismo, Decolonizzazione, Minoranze

Marisa Fois, Historian, is Lecturer at the University of Geneva. Her main research topics are minorities, politics and identity in North Africa, postcolonialism, and decolonisation.



ORESTE FOPPIANI

Sede lavoro: Webster University (Svizzera)
SSD: 14 - Scienze politiche e sociali
ERC: SH6 The study of the human past

Oreste Foppiani is the Associate Professor of International History and Politics at Webster University Geneva, where he chairs the Department of International Relations. He earned a PhD in International History and Politics from the Graduate Institute (HEI). During his PhD program he received the Albert Gallatin Fellowship in International Affairs to spend a year at SAIS in Washington, DC. From 2013 through 2016, Foppiani was either a Visiting Research Fellow or a Visiting Associate Professor at the JMSDF Command and Staff College, Aoyama Gakuin University's SIPEC and New York University's CEMS. He has conducted research on the Spanish-American War, Anglo-American relations during WWII, early Cold War, the U.S. and Italian Navies, European integration, EU security policies, EU-U.S. relations and the migration crisis in the Mediterranean Sea.



FRANCESCO FRANZONI

H-Index: 11
Sede lavoro: Universita' della Svizzera italiana, Swiss Finance Institute (Svizzera)
SSD: 13 - Scienze economiche e statistiche
ERC: SH1 Individuals, institutions & markets
Keywords: Finanza

Francesco, Franzoni Nationality: Italian Date of birth:30/03/1972 http://www.people.usi.ch/franzonf/ EDUCATION 2002 PhD, Department of Economics, Massachusetts Institute of Technology, USA 1998 M.S., Master in Economics, Bocconi University, Italy 1996 Bachelor in Economics, Bocconi University, Italy CURRENT POSITIONS 2012 – 2017 Full Professor Faculty of Economics, Università della Svizzera italiana (USI), Lugano, Switzerland 2012 – 2017Senior Chair Swiss Finance Institute, Switzerland PREVIOUS POSITIONS 2007 – 2012 Assistant Professor Faculty of Economics, Università della Svizzera italiana (University of Lugano), Switzerland 2008 FallInstructor for Ph.D. class at the London School of Economics 2003 – 2012 Assistant Professor HEC School of Management, Paris, France 2002 – 2003 Postdoctoral Fellow Universitat Pompeu Fabra, Barcelona, Spain.



GIOVANNI FRISONI

Sede lavoro: Geneva University Hospitals (Svizzera)
SSD: 06 - Scienze mediche
ERC: LS5 Neurosciences & neural disorders
Keywords: Alzheimer, Demenza

Director, Memory Center, Geneva University Hospitals, Switzerland; Professor of Clinical Neurosciences, University of Geneva, Switzerland; Former Scientific Director of the National Center for Alzheimer's Disease, IRCCS-FBF, Brescia, Italy.

IVO FURNO



H-Index: 42
Sede lavoro: EPFL (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter
Keywords: Plasmas, Nuclear Fusion, Industrial applications

I joined in 2005 the Swiss Plasma Center (SPC) of EPFL, where, following a Master's degree in Nuclear Engineering at the Politecnico di Torino, I obtained my Ph.D. in 2001, after a period as senior researcher at LANL. I conducted research in tokamaks, and in space plasmas. In my Ph.D. thesis, I pioneered tomography to reconstruct X-ray emission in the TCV tokamak, while at LANL I conceived an experiment to investigate magnetic reconnection, a key phenomenon in fusion reactors and astrophysical systems. At the SPC, I became responsible for the basic plasmas and applications group, conducting research on plasma turbulence on the TORPEX device. I contributed to major breakthroughs such as unveiling the origin of turbulence structures, and a large number of more applied projects, ranging from plasma accelerators to food packaging, from surface treatments to satellite propulsion. With my research, I advance the knowledge in areas of large innovation potential for industry and society.

BRUNO GALANTE



Sede lavoro: CERN (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE3 Condensed matter physics
Keywords: Fisica, Nanostrutture, Antimateria, CERN, Electron Cooling, Electron Gun, Carbon Nanotubes

Ho svolto la mia carriera universitaria all'Università di Parma dove ho completato il corso di Laurea Triennale in Fisica e successivamente il corso di Laurea Magistrale con specializzazione in fisica della materia e dei materiali funzionali. La mia tesi di laurea sperimentale aveva come tema l'utilizzo di nanostrutture di carbonio per elettrodi di supercondensatori. Votazione finale: 110. Ho poi lavorato per 7 mesi come sviluppatore informatico fino a quando nell'ottobre 2017 sono stato assunto come Marie-Curie Fellow al CERN e sono parte del progetto Marie-Curie "AVA". Allo stesso tempo sono diventato parte del QUASAR group dell'Università di Liverpool e sono PhD student presso la stessa. Al momento il mio progetto riguarda il design e studio di un nuovo electron gun per l'electron cooler di ELENA (Extra-Low ENergy Antiproton ring), l'ultimo deceleratore di antiprotoni del CERN.

LUCA GIANGRANDE

Sede lavoro: CERN (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE1 Mathematical foundations PE6 Computer science & informatics PE7 Systems & communication engineering
Keywords: Circuiti integrati analogici

Progettatore di curcuiti integrati analogici con 10 anni di esperienza lavorativa. Principali aree di ricerca: conversione tra domini analogico-digitali, interfacciamento di sensori, progettazione di sistemi di telecomunicazione a radiofrequenze, modelizzazione matematica di circuiti.



TOMMASO GIOMMONI

Sede lavoro: ETH Zurich (Svizzera)
SSD: 13 - Scienze economiche e statistiche
ERC: SH1 Individuals, institutions & markets

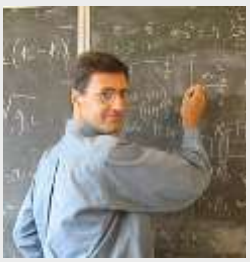
Tommaso Giommoni is a Post-doctoral researcher at ETH Zurich and a research affiliate at the Dondena Centre and the Baffi CAREFIN Centre, both at Bocconi University. He completed his PhD in Economics and Finance at Bocconi University in 2019. His research interests include Political Economy and Public Economics, with particular focus on topics related to taxation, fiscal federalism and corruption.



MASSIMO GIOVANNOZZI

H-Index: 23
Sede lavoro: CERN (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE4 Physical & Analytical Chemical sciences
Keywords: Dynamical systems, accelerator physics

Dopo una tesi di laurea ed un dottorato in fisica matematica, entrambi su problemi di sistemi dinamici applicati alla fisica degli acceleratori, ho continuato la mia attività di ricerca al CERN con un post-doc (anche il dottorato si era svolto al CERN) sempre nell'ambito della fisica degli acceleratori. Il contratto di post-doc, dopo una breve pausa durante la quale sono rientrato in Italia per qualche mese, è stato seguito da un contratto staff al CERN che è poi diventato un contratto permanente. L'attività di ricerca è sempre incentrata su problemi di dinamica non-lineare per particelle isolate concentrata su due grandi temi: la comprensione dei fenomeni che controllano la stabilità dei fasci nei grandi collisionatori adronici, con applicazioni dirette a LHC ed al suo upgrade futuro (HL-LHC); la manipolazione dei fasci tramite l'uso di risonanze stabili, che ha permesso di introdurre tecniche innovative nel campo dell'estrazione di fasci di particelle da acceleratori circolari.



GIAN FRANCESCO GIUDICE

H-Index: 83
Sede lavoro: CERN (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter PE9 Universe sciences
Keywords: fisica teorica delle particelle

Gian Francesco Giudice is a theoretical particle physicist working at CERN. After graduating from the University of Padua, he obtained his PhD in theoretical physics in 1988 from SISSA in Trieste. He worked at the Fermi National Accelerator Laboratory, near Chicago, and at the University of Texas, in the group of Prof. S. Weinberg, before moving to CERN in 1993, where he is now Head of the Theoretical Physics Department. His research focuses on the formulation of new theories of particle interactions and on their implications for the early history of our universe. Besides his research work, Giudice is active in the popularization of science and outreach. He is the author of A Zeptospace Odyssey, a popular-science book on the physics of the Large Hadron Collider, the particle accelerator where the Higgs boson was discovered. Academician of the Istituto Veneto di Scienze, Lettere ed Arti and Accademia Galileiana, he has been awarded the 2013 Jacques Solvay Chair in Physics.



MICHELE GREGORINI

Sede lavoro:	ETH Zürich (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering

Critical thinker, proactive and a fast learner, with outstanding analytical and problem-solving abilities. I perform well under pressure, especially in hard-working teams, and I enjoy quick decision-making. Education: PhD Chemical and Bioengineering Engineering, 2020, ETH Zürich (CH) MSc. Mechanical and Process Engineering, 2016, ETH Zürich (CH) BSc. Environmental and Land Planning Engineering, 2012, Politecnico di Milano (IT)



GIACOMO INDIVERI

H-Index:	45
Sede lavoro:	University of Zurich and ETH Zurich, Institute of Neuroinformatics (Svizzera)
SSD:	01 - Scienze matematiche e informatiche 09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	reti neurali, circuiti analogici, apprendimento

Giacomo Indiveri is a dual Professor at the Faculty of Science of the University of Zurich and at the Department of Information Technology and Electrical Engineering of ETH Zurich, Switzerland. He is the director of the Institute of Neuroinformatics of the University of Zurich and ETH Zurich. He obtained an M.Sc. degree in electrical engineering in 1992 and a Ph.D. degree in computer science from the University of Genoa, Italy in 2004. Engineer by training, Indiveri has also expertise in neuroscience, computer science, and machine learning. He has been combining these disciplines by studying natural and artificial intelligence in neural processing systems and in neuromorphic cognitive agents. His latest research interests lie in the study of spike-based learning mechanisms and recurrent networks of biologically plausible neurons, and in their integration in real-time closed-loop sensory-motor systems designed using analog/digital circuits and emerging memory technologies.



ANDREA INGENITO

H-Index:	7
Sede lavoro:	École polytechnique fédérale de Lausanne (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Solar cells, renewable energy, micro-electronics, optics

An effective team leader, motivating and guiding all team members, creating an inspiring team environment with an open communication culture, +2 years of project management. An experienced researcher, 5+ years in solar cell fabrication delivering outstanding results through the implementation of novel processes and materials. An excellent problem solver able to quickly grasp complex systems and to create opportunities from critical issues. École polytechnique fédérale de Lausanne| 2016 – Current - Head of the high temperature passivating contacts group. Delft university of technology, The Netherlands | 2010 – 2015 Doctorate in electrical engineer and material science, cum laude. Strong theoretical skills in optics. Design of a light management scheme experimentally demonstrating the theoretical light absorption limit in Si. Initiation, from scratch, of the activities on silicon solar cells. Mastering fabrication processes class 100 compatible. Design and testing of process flows.

ALESSANDRA IOZZI



H-Index:	18
Sede lavoro:	Eidgenossische Technische Hochschule Zürich (ETHZ) (Svizzera)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Geometric group theory, rigidity of group actions.

PhD, University of Chicago, 1989 Assistant Professor, University of Maryland, 1992-2000 Professor, University of Basel, 2004-2006, Université de Strasbourg, 2001-2006 Professor, ETH since 2006 Member, IAS, 2013 Professor, MSRI 2016 and 2019 Simons Professor, MSRI, 2015 and Newton Institute, 2017 Various visiting positions as Professor throughout the world HONORS: Kovalevskaia Lecture, Universität Bielefeld, 2018 Plenary speaker at the European Women in Mathematics 17th Meeting, Cortona, Italy, 2017} ``Distinguished Women in Mathematics Lecture Series'', University of Texas at Austin, 2015} Member of the Robert Bosch Stiftung MISCELLANEA: 43 research articles published, 6 preprints, 10 articles in preparation Over 7'000'000 Euro obtained in research projects and grants >160 among Minicourses, Plenary Talks, Distinguished Lectures, Conference talks and Seminar talks, 90 courses 11 postdocs, 9 PhD students, over 30 other students >30 conf. organ., >70 intern. committees

GINO ISIDORI



H-Index:	77
Sede lavoro:	Professore Ordinario (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Particle Physics, Theoretical Physics, Standard Model

Gino Isidori received his Ph.D. in physics at the University of Rome “La Sapienza” in 1996. Since 2014 he is Professor for Theoretical Physics at the University of Zurich in Switzerland. From 1996 till 2014 he has been a staff member of the I.N.F.N. Frascati National Laboratories in Italy, where has been Research Director since 2008 and head of the Theory Group (2008-2011). He has been CERN Fellow (2000-2002), Associate Professor at Scuola Normale Superiore in Pisa (2007-2008), and held visiting positions at S.L.A.C. (Stanford, USA) and the Technical University of Munich in Germany. From 2009 till 2012 he has been a Fellow of the T.U.M. Institute for Advanced Study. His research interests include the formulation of theoretical models to describe fundamental interactions beyond the standard model.

MARCO LAMANNA



Sede lavoro:	Universität Luzern (Svizzera)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production

Marco Lamanna earned his PhD in Philosopy from Università di Bari (2008). He subsequently worked as a Fellow at the Istituto Nazionale di Studi sul Rinascimento in Florence (2010–2012) and as a Researcher (RTD-a) at the Scuola Normale Superiore (2013–2016). From 2014 to 2019 he gave courses at the Scuola Normale and at the Facoltà di Teologia in Lugano. In March 2016 the Swiss National Science Foundation approved the research project “Metaphysics and Ontology in Switzerland in the Age of Reformation (1519–1648)” . Lamanna was a SNF-Forschungsmitarbeiter at the Theological Faculty at Lucerne. A Fellow in German research centers (Gotha and Wolfenbüttel), in October 2017 he was awarded The Natalie Zemon Davis Prize in Toronto. In the 2019–2020 year, he was Lila Wallace-Reader's Digest Fellow

at Villa I Tatti - The Harvard University Center for Italian Renaissance Studies. Since September 2020 he has again been working at the Theological Faculty at Lucerne within a SNSF-Project.



MARCO LATTUADA

H-Index: 29
Sede lavoro: Università di Friburgo (Svizzera)
SSD: 03 - Scienze chimiche
ERC: PE5 Materials & Synthesis
Keywords: Nanotecnologie, scienza dei materiali, sistemi colloidali

Marco Lattuada was born in Cittiglio (VA), Italy. He obtained his Master's degree in Chemical Engineering (laurea in Ingegneria Chimica) from Politecnico di Milano with full marks and honors in 1998. He then joined in 1999 the group of Prof. Morbidelli at ETH Zurich for his PhD, which he completed in 2003, and was awarded with the ETH medal for outstanding doctoral thesis. He then carried out a two-year post-doctoral work at MIT in the group of Prof. Alan Hatton, where he worked on the preparation of magnetic Janus nanoparticles. In 2006 he joined the group of Prof. Morbidelli again, this time as a senior scientist. In 2011 he obtained a SNSF professorship, and he joined the Adolphe Merkle Institute, at the University of Fribourg, in January 2012, where he created the Nanoparticles Self-Assembly group. In August 2016 he became associate professor in the Department of Chemistry, at the University of Fribourg. Starting from August 2017, he is head of the chemistry department.



GIANROCCO LAZZARI

Sede lavoro: IDIAP (Svizzera)
SSD: 01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC: PE6 Computer science & informatics

MSc in physics / PhD in computational biology (EPFL) with broad interdisciplinary interests and computational skills. Experience in stochastic and statistical modeling; complex networks science; machine learning, data processing, analysis and visualization of different data-types: energy demand/production time-series, epidemiological time-series, digital biomarkers from wearable sensors, cancer biomarkers, nutritional datasets, single-cell signal.



ROBERTO LEGGERO

Sede lavoro: Laboratorio di Storia delle Alpi (Svizzera)
SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC: SH6 The study of the human past
Keywords: montagne, Alpi, medioevo, città, religioni

Laureato in Filosofia all'Università degli Studi di Milano, dottore di ricerca in Storia medievale (Padova), ha collaborato con la cattedra di Storia della chiesa medievale e dei movimenti ereticali dell'Università degli Studi di Milano, con lo Schedario storico territoriale dei comuni piemontesi dell'Università degli Studi di Torino, con gli editori Laterza, Bruno Mondadori e con le Edizioni Biblioteca Francescana di Milano. È esponente della Commissione scientifica dell'Istituto Storico della Resistenza e della Società contemporanea Pietro Fornara di Novara. È Maître d'enseignement et de recherche, presso il Laboratorio di Storia delle Alpi (LabiSAlp), Accademia di architettura, Università della Svizzera italiana



GIUSEPPE LO PRESTI

Sede lavoro: CERN (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering

Senior software engineer and project manager for a wide variety of distributed applications. Enthusiast about emerging technologies such as IoT and BlockChain. Currently responsible for designing, developing and operating Petabyte-scale data management solutions for the High Energy Physics community at CERN.



PIETRO LONGHI

Sede lavoro: ETH Zurich (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

MSRI Postdoctoral Fellow, Fall 2019 Postdoc at ETH Zürich, 2018-2021 Postdoc at Uppsala University, 2015-2018 PhD, Rutgers University, 2015 (Advisor: Gregory W. Moore) BSc. & MSc. Bologna University, 2010



PAOLA LUCIANI

Sede lavoro: Contratto a tempo indeterminato (Svizzera)
SSD: 03 - Scienze chimiche
ERC: LS7 Diagnostic tools, therapies & public health
Keywords: Tecnologia Farmaceutica, Drug Delivery, Esosomi, Biomimetici, Veicolazio di Farmaci, Fosfolipidi, Liposome, Nanoparticelle

Paola Luciani è Professoressa Ordinaria di Tecnologia Farmaceutica presso l'Università di Berna, Svizzera, dal 2019 e Coordinatrice del Corso di Laurea Triennale in Scienze Farmaceutiche dal 2020. Ha conseguito la laurea e il dottorato di ricerca in Scienze Chimiche presso l'Università di Roma La Sapienza e successivamente ha vinto un assegno di ricerca all'Università di Firenze presso il CSGI. Negli anni 2009-2015 ha lavorato come postdoc e group leader nel gruppo Drug Formulation and Delivery presso l'Istituto di Scienze Farmaceutiche del Politecnico Federale di Zurigo. Negli anni 2015-2019 è stata Professoressa Associata presso l'Istituto di Farmacia dell'Università di Jena. Dal 2021 è Specialista per la Qualità Farmaceutica presso l'Agenzia Svizzera del Farmaco Swissmedic. Il suo team sviluppa nuove piattaforme di veicolazione di farmaci, rivolgendo particolare attenzione a nuove terapie per il trattamento di patologie fibrotiche.



LUCREZIA MAINI

Sede lavoro: ETHZ (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: LS7 Diagnostic tools, therapies & public health PE8 Products & process engineering
Keywords: clean-room, cardiovascular devices, microfluidics, biosensors, nanotechnologies, sensors, prosthesis

Lucrezia Maini is a Nanotechnology engineer with an international Master degree from EPFL, the Polyechnic of Turin and INP-Grenoble. She has wide experience in microfluidics in world research centers: IBM-Almaden (San Jose, California); the Institute of Microfluidics Pierre Gilles de Gennes (IPGG); the Institut Curie in Paris and EPFL. After a short industrial experience in Zurich following her master, she has started her PhD in the Micro and Nanotechnologies field, with focus on the development of new cardiovascular sensors and sensing devices. As extracurricular activities, she is an Alumna of the Alta Scuola Politecnica Program (PoliMi-PoliTo) and she is interested in the promotion of initiatives to enhance the inclusion and representation of women in science and technology.



MICHELANGELO MANGANO

H-Index:	74
Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	particle physics, cern, lhc, colliders

Dr Michelangelo Mangano is a theoretical physicist focusing on the study of high-energy particle collisions and their fundamental interactions. A graduate of Scuola Normale Superiore di Pisa, Italy, he held research positions at the University of Princeton, USA, the National Institute of Nuclear Physics, Italy, and the Fermi National Accelerator Laboratory (Fermilab), USA, where he contributed to the discovery of the top quark in 1994. Since 1995 he is a senior theoretical physicist at CERN, the European Center for Particle Physics. There, he leads the LHC Physics Centre, and coordinates the physics studies for a future generation of particle colliders. He has co-authored more than 500 scientific publications in both theoretical and experimental particle physics. His passion for outreach led him to create the High School Teachers' Program at CERN in 1998, which has since trained hundreds of teachers around the world.



MATILDE MANTOVANI

Sede lavoro:	University of Zurich (Svizzera)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Molecular Biology, Biochemistry, Biotechnology, Drug Design

In 2014 I took my Bachelor degree in Biological Sciences, with an Erasmus period of 6 months at Universitè Paris Diderot - Paris VII. I accomplished my Master degree in Molecular Biotechnology and Bioinformatics in February 2017 at the University of Milan, with a final grade of 110/110. My master thesis has been done at the Institute of Molecular Genetics (IGMM) of CNRS Montpellier, in the laboratory of Mounia Lagha, where I investigated the developmental consequences of altering the timing of gene expression, using the Drosophila Melanogaster as a model system. At the end of 2017 I moved to Zurich to start the PhD at the Institute of Medical Microbiology (University of Zurich), in the laboratory of Erik C. Böttger, where I am currently working as a doctoral student. The aim of my project is to understand how the loss of fidelity during protein translation can affect the proteostatic response in mammalian cells over aging.



FABIO MARINO

H-Index:	8
Sede lavoro:	Ludwig Cancer Research Institute (Svizzera)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS1 Molecular & Structural Biology & Biochemistry LS6 Immunity & infection LS9 Applied life sciences & biotechnology

Keywords:	mass spectrometry, proteomics, cancer immunology, HLA, cancer vaccines, PTM

I studied Chemistry and Pharmaceutical Technologies at the University of Palermo. In 2011 I graduated with 110/110 summa cum laude. In 2011, I joined, as a PhD student, the Biomolecular Proteomics & MS group at Utrecht University. At first, I worked in strategies for improving the detection of proteomes and PTM by MS. Thereafter, I developed methods for enhancing the identification of human leukocyte antigen-bound peptides. I further interrogated the effects of PTM antigens on the antigen processing and presentation machinery (APPM). In 2016, I joined the Ludwig Cancer Institute as a postdoc. I developed a novel immunopeptidomics pipeline, which will accelerate the implementation of immunopeptidomics in clinical settings. I also characterize the functionality of dendritic cells (DCs) and investigate their capacity to present cancer-specific antigens for rational design of DC-vaccination strategies.



MICHELE MARTINO

H-Index:	9
Sede lavoro:	CERN (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE2 Fundamental constituents of matter

Michele Martino was born in Napoli, Italy, on July 23, 1975. He received the MSc in Electronics Engineering (magna cum laude) and the PhD in Electrical Engineering at the University of Napoli Federico II. In 2010, he joined the Electrical Power Converters group in CERN Technology department to work on the high-precision electrical measurements and high-performance digital controls required by the power converters of CERN accelerators. He is now in charge of the powering of HL-LHC: the High Luminosity upgrade, foreseen by 2026, of the Large Hadron Collider, the CERN flagship particle accelerator.



NICOLA MARZARI

H-Index:	53
Sede lavoro:	EPFL (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis
Keywords:	computational materials science

Nicola Marzari holds the chair of Theory and Simulation of Materials at the École Polytechnique Fédérale de Lausanne, where he is also the director of the Swiss National Centre for Competence in Research NCCR MARVEL, on Computational Design and Discovery of Novel Materials (a 12-year effort, started in 2014, and currently involving more than 40 PIs). Previous tenured appointment include the Toyota Chair for Materials Engineering at the Massachusetts Institute of Technology, and the first Statutory (University) Chair of Materials Modelling at the University of Oxford, where he was also the director of the Materials Modelling Laboratory. He is the current chairman of the Psi-k Charity and Board of Trustees. More than 20 of his students hold faculty positions worldwide in the field, from Harvard to MIT, Imperial College, and Seoul National University.



STEFANO MERSI

H-Index:	121
Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Silicon detectors, Data acquisiton

2012-present: CMS Phase-2 tracker upgrade. Coordination of the DAQ development for the silicon detectors qualification and constructions. 2011-2016: CMS Phase-I pixels upgrade: Preparation of tests for qualification of detector and module construction 2010-2015: Analysis of CMS tracker aging 2010-2015: Silicon sensor R&D for the CMS Tracker Upgrade 2008-present: CMS Tracker upgrade design: development of a stand-alone software tool to generate detector layouts and detector layout design and optimization 2007-2010: CMS commissioning and operation. Responsible for CMS Tracker commissioning for the first collisions (coodination of 10-15 contributors) 2004-2006: Construction of the CMS Tracker Inner Barrel: PhD thesis with CMS group in Florence 2001-2004: CVD diamond studies. Measurement of CCE of CVD diamond detector. Study of the “pumping effect” in relation to the bias voltage and defect analysis of the diamond samples



RAFFAELE MEZZENGA

H-Index:	72
Sede lavoro:	ETH Zurich (Svizzera)
SSD:	02 - Scienze fisiche 03 - Scienze chimiche 04 - Scienze della terra 09 - Ingegneria industriale e dell'informazione
ERC:	PE5 Materials & Synthesis

Present Positions: Full Professor in Food & Soft Materials Science, ETH Zurich Executive Board of Polymer & Colloid Division (Swiss Chemical Society) Affiliated Professor of the Materials Department, ETH Zurich 2005-2009 University of Fribourg and Nestlé Research Center, Switzerland Associate Professor in Physics 2003-2004 Nestlé Research Center, Lausanne, Switzerland. Senior Scientist in Polymers and Colloids Physics. 2001- 2003 University of California Santa Barbara (Postdoc) 1997- 2001 Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland Research assistant - PhD Student 1995- 1997 European Center for Nuclear Research (CERN), Geneva, Switzerland & NASA, Houston, USA Research Assistant in the Alpha Magnetic Spectrometer project (AMS, Shuttle Discovery mission STS91, June 1998



ELITA MONTANARI

H-Index:	10
Sede lavoro:	ETH Zurich (Svizzera)
SSD:	03 - Scienze chimiche 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	Drug delivery, nanoparticles, controlled release, cell biology

In 2012 I obtained my Master’s degree in Pharmaceutical Chemistry & Technologies at University of Rome ‘Sapienza’, where I also commenced my Ph.D. in the same year. My research project was focused on the development of nanoparticles for drug delivery purposes. From 9/2014 to 9/2015 I joined the Nanomedicine Lab as a visiting Ph.D. student at University of Manchester. I obtained my European Ph.D. in Pharmaceutical Sciences and in 11/2015 I followed the Lab of Polymers and Biomaterials as Associate Researcher (University of Manchester). From 10/2016 to 08/2020 I was a Post-Doc and Lecturer in Nanotechnology, at University of Rome ‘Sapienza’. Currently I am an Associate

Researcher in the Laboratory of Drug Formulation & Delivery at ETH Zurich, Switzerland. I authored 16 papers, 4 reviews and 1 patent. In 10/2017 my Ph.D. thesis was awarded by the CRS Italy Chapter. In 2018, I was awarded by EMBO for conducting a three months' research in the Bichat Hospital, France.



LUCIA MORI

H-Index:	35
Sede lavoro:	Department of Biomedicine, University Hospital (Svizzera)
SSD:	05 - Scienze biologiche
ERC:	LS6 Immunity & infection
Keywords:	Immunologia, Microbiologia, Vaccini, Tumori, Immunoterapia

Lucia Mori has a PhD in Microbiology and Immunology from the University of Pisa. Her background is molecular immunology. She studied the specificity of antigen recognition of T lymphocytes and T cell receptor (TCR) genes at the National Research Council in Milano and at the Basel Institute for Immunology. At Roche Headquarters Basel she studied TCR genes in autoimmunity. Since 1994 at Department of Biomedicine University Basel she participated in the discovery of metabolites stimulating human TCRγδ cells, and of lipids stimulating TCRαβ cells, including NKT cells. From 2010 to 2016 she lead a group focused on "non classical" T cell immunity at the Singapore Immunology Network, Agency for Science Technology and Research. Returning to the Department Biomedicine in Basel, she leads translational immunology projects aimed at the identification of T cell signatures as relevant disease-specific biomarkers and the exploitation of non classical T cells in novel immunotherapeutic strategies.



SILVIA NAPOLITANO

Sede lavoro:	ETH Zurich (Svizzera)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	Biochimica, Biologia Molecolare

Strong background in biochemistry, biophysics, and molecular biology. Highly interested in studying the molecular mechanisms involved in the maintenance of a healthy cell environment as well as the evolution and co-evolution of cellular machineries. August 2016 - present: PhD student in the laboratory of Prof. Dr. Rudi Glockshuber, Institute of Molecular Biology and Biophysics, Department of Biology, ETH Zürich. April 2016 - July 2016: Erasmus Traineeship in the laboratory of Prof. Dr. Andreas Marx, Department of Chemistry, University of Konstanz. December 2014 - February 2016: Master Thesis in the laboratory of DNA Enzymology and Molecular Virology of Prof. Dr. Giovanni Maga, Institute of Molecular Genetics – National Research Council (IGM-CNR) Pavia. January 2013 - December 2014: Bachelor Thesis in the laboratory of Prof. Dr. Elena Raimondi in collaboration with Prof. Dr. Elena Giulotto, Biology and Biotechnology Department "L. Spallanzani", University of Pavia.



MARCO NARDECCHIA

Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	High Energy Physics, Particle Physics, Flavor Physics

Professional Positions [12/2017 - present] Italian Institute for Nuclear Physics (INFN) Researcher(permanent position, INFN Section of Trieste [10/2016 - present] Research Fellow (on leave of absence from INFN since 3/2018, Theoretical

Physics Department, CERN [10/2013 - 09/2016] Research Associate, Department of Applied Mathematics and Theoretical Physics (DAMTP), University of Cambridge 10/2010 - 09/2013, Research Associate, University of Southern Denmark Qualifications and Scientific Education [11/2017]Italian Academic Qualification as Associate Professor in Theoretical Physics [09/2010]Ph.D. in High Energy Physics at the International School for Advanced Studies (SISSA), Trieste. [09/2006] Master of Science in Physics, at the University of Rome ``Sapienza", Grade: 110/110 cum laude. 01/2005 Bachelor of Science in Physics at the University of Rome ``Sapienza", Grade: 110/110 cum laude

FABIO NOBILE



H-Index:	31
Sede lavoro:	Ecole Polytechnique Federale de Lausanne (Svizzera)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	numerical approximation of PDEs, Uncertainty quantification, Monte Carlo methods, Approximation theory

Fabio Nobile is an associate professor in Mathematics at the Ecole Polytechique Federale de Lausanne, Switzerland, since 2011. Previously he has been an assistant professor in numerical analysis at Politecnico di Milano. He graduated in electronic engineering at Politecnico di Milano in 1998; Ph.D. in Applied Mathematics at EPFL in 2001; 2-year post-doc (ICES fellowship), University of Texas at Austin. Invited speaker to several international conferences and workshops, including the 7th European Congress of Mathematics in 2016. Awarded the second prize at the 12th Leslie Fox Prize in 2005. 2019 highly cited researcher of Web of Science. He is the author of more than 90 publications in international journals. He is a member of the editorial board of 4 international journals. His main research activity is in numerical approximation of random PDEs, sparse approximation techniques, numerical solution of fluid-structure interaction problems, simulation of the cardiovascular system.

ELENA OSTO



H-Index:	18
Sede lavoro:	Universita' di Zurigo (Svizzera)
SSD:	06 - Scienze mediche
ERC:	LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Cardiologia, medicina, ricerca, cardiovascolare

Prof. Elena Osto MD, PhD, FESC Assistant Professor. Swiss National Science Foundation-PRIMA Fellow. University Hospital and University of Zürich (UZH)- Institute of Clinical Chemistry and Department of Cardiology, Zurich, Switzerland Training and Education • 2002. School of Medicine, University of Padova, Italy. Graduation summa cum laude. • 2006. Board Certification in Cardiology, University Hospital of Padova, Padova, Italy. • 2010. PhD in Cardiovascular Sciences , University of Padova, Italy. • 2018. Venia legendi: Faculty of Medicine of the University of Zurich. “The role of endothelial function in the pathophysiology of cardiovascular disease: a translational journey from molecular mechanisms to clinical experience”. 2021. Certificate of Advance Studies in Higher Education for University-level instructors 2 Years, University of Zurich. Chairman-elect 2022-24 of the European Society of Cardiology, Working Group: Atherosclerosis & Vascular Biology

MERCEDES PANICCIA



H-Index:	30
Sede lavoro:	Université de Genève (Svizzera)

SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter PE9 Universe sciences
Keywords:	astro-particle physics, cosmic rays, space detectors, magnetic spectrometer, silicon detectors

I am an experimental astro-particle physicist, currently active in the study of cosmic rays through the analysis of data from the AMS-02 experiment installed on the ISS international space station in May 2011, whose mission is expected to last for the entire life of the ISS (until 2030). I am also involved in the research and development of future instruments for the detection of cosmic rays in space, such as the PAN instrument for monitoring space radiation. I am member of the executive committee of the AMS international collaboration. I am leading the AMS research group at the University of Geneva since 2017, where I supervise PhD students working on the analysis of the data of the AMS-02 experiment. I am active in university teaching at University of Geneva, on Massive Open Online Courses, and on scientific outreach activities. I am member of the selection committee of the swiss foundation "Science et Jeunesse" for the area Physics &Technics and Mathematics & Informatics.



FRANCESCA PARADISI

Sede lavoro:	Universita' di Berna (Svizzera)
SSD:	03 - Scienze chimiche 05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology PE5 Materials & Synthesis

Prof. Paradisi graduated with a BSc in Chemistry and then a PhD in synthetic organic chemistry from the University of Bologna. In 2002 she joined the group of Prof. Engel at University College Dublin for her post doc and started working in the area of Biocatalysis. After a brief stint in Enzolve Technologies, a spinoff company, she got her first academic position in the School of Chemistry in UCD in 2006 where she remained till 2016. She was recruited then by the University of Nottingham as Associate Professor in Biocatalysis and promoted to Full Professor in 2019. In the same year however, she was offered the Chair of Sustainable Pharmaceutical Chemistry at the University of Bern and relocated to Switzerland. She is the recipient of the Green and Sustainable Chemistry Award 2021 jointly sponsored by the Swiss Chemical Society and Syngenta for her ground-breaking work in developing eco-friendly and ultra-efficient biotransformations for the synthesis of high-value chemicals, dramatical

LUDOVICA PARISI



H-Index:	9
Sede lavoro:	University of Bern (Svizzera)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology LS9 Applied life sciences & biotechnology
Keywords:	stem cell biology, craniofacial development, bone, tissue engineering, dentistry

La dott.ssa Parisi si laurea in Scienze e Tecnologie Biomolecolari a Trento nel 2012, quindi consegue il titolo di laurea magistrale in Biotecnologie Mediche, Veterinarie e Farmaceutiche a Parma nel 2014. Da Novembre 2014 a Settembre 2018 lavora presso il Laboratorio di Biomateriali del Centro di Odontoiatria dell'Università di Parma in qualità di PhD candidate. Nel 2019 consegue il titolo di Dottore di Ricerca in Medicina Molecolare presso l'Università di Parma. Durante il periodo del dottorato di ricerca la dott.ssa Parisi è inoltre Visiting Scholar all'Università di San Paolo (2015) e alla University of Pennsylvania (2017). A seguito della vincita di una borsa di ricerca elargita dall'Osteology Foundation, la dott.ssa Parisi svolge tra il 2018 e il 2019 un anno di ricerca all'Università di Berna. Dal 2019 la dott.ssa Parisi è

Postdoctoral Reserach Fellow nel Laboratorio di Biologia Orale Molecolare della Zahnmedizinische Kliniken dell'Università di Berna.



ANDREA PELLEGRINI

Sede lavoro:	Postdoctoral researcher (Svizzera)
SSD:	08 - Ingegneria civile e Architettura 13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets PE1 Mathematical foundations
Keywords:	Economics, Econometrics, Discrete choice models, Time series, Consumer Behaviour

Currently, I am a postdoctoral researcher at the Università della Svizzera italiana (USI). My research interests focus on travel behavior analysis, transportation planning and choice modeling and econometric analysis of consumer behavior, with a specific focus on understanding individuals' multiple discrete continuous (MDC).



IRENE PELLEGRINI

Sede lavoro:	ricercatrice (Svizzera)
SSD:	14 - Scienze politiche e sociali
ERC:	SH2 Institutions, values, beliefs and behaviour

I am sociologist with a Ph.D in methodology of the social sciences. My specialization is in qualitative and digital research methodology. Theoretically my field of expertise is in marginalized groups, minority and differences. I actually work in mobility and migration studies.



ELISA PELLEGRINO

Sede lavoro:	Zurich University (Svizzera)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH4 The Human Mind and its complexity
Keywords:	Fonetica

Elisa Pellegrino has a Ph.D. in Linguistics from the University of Naples L'Orientale. At the same University, she worked as a Post-doc on the acoustic correlates of foreign-accented Italian and had teaching responsibilities from 2012-2016. Since September 2016 she have worked at the University of Zurich as senior Post-doc in Phonetics, and taught Computational Processing of Speech Rhythm for Speaker and Language Classification. She is currently employed within the UZH NCCR Evolving Languages to study dynamics of vocal accommodation and speaker recognition. Beyond accommodation, her research has focused on production and perception of L2 speech rhythm, age-related changes in speech and voice. She is currently coordinator of the research group on Accommodation and Social Categorization at the UZH URPP Language and Space and case manager at the Centre for Forensic Phonetics and Acoustics of the Dept of Computational Linguistics.

GIULIA POGGI



H-Index:	6
Sede lavoro:	Università (Svizzera)
SSD:	05 - Scienze biologiche 06 - Scienze mediche
ERC:	LS5 Neurosciences & neural disorders
Keywords:	Neuroscience

Senior postdoctoral scientist at the department of Psychiatry, Psychotherapy and Psychosomatics at the University of Zürich (laboratory of Prof. Christopher Pryce). I conduct translational research on the effect of chronic stress on oligodendrocyte and myelin in a cortico-limbic pathway. Furthermore, I am investigating the engagement of amygdala-related neuronal circuits in the response to aversive and rewarding stimuli. I

MARTINO POGGIO



H-Index:	22
Sede lavoro:	Universität Basel (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	nanotecnologia, nanomagnetismo, risonanza magnetica, microscopia a scansione di sonda, nanomeccanica

Martino Poggio received his B.A. in physics from Harvard University in 2000 and his Ph.D. from the University of California, Santa Barbara in 2005. In graduate school he worked for Prof. David Awschalom on ultrafast optics and semiconductor spintronics. After receiving his doctorate, he started work as a post-doctoral fellow at the Center for Probing the Nanoscale, a joint center between Stanford University and IBM Corporation funded by the National Science Foundation. Until late 2008 he worked in this capacity in Dr. Dan Rugar's lab at the IBM Almaden Research Center in San Jose, CA on high sensitivity nuclear magnetic resonance force microscopy. In January of 2009, he started work as Argovia Assistant Professor in the Department of Physics at the University of Basel. In 2014, he was promoted to Associate Professor. Prof. Poggio is a winner of a 2013 ERC Starting Grant and a member of the American Physical Society.

ILARIA PRETELLI

H-Index:	6
Sede lavoro:	Istituto Svizzero di Diritto Comparato (Svizzera)
SSD:	12 - Scienze giuridiche
ERC:	SH2 Institutions, values, beliefs and behaviour SH3 Environment & society SH5 Cultures & cultural production
Keywords:	Diritto internazionale

Ancienne Directrice et coordinatrice des Séminaires de droit comparé et européen du Centro di Studi Giuridici Europei de l'Université d'Urbino. Chargée de cours et professeure invitée à la Faculté Jean Monnet de l'Université Paris Sud, à l'Université de Paris 1, Panthéon-Sorbonne et à l'Université de Lausanne. Membre fondateur du Groupe Galileo financé par l'Université italo-française de Turin-Lyon, Directrice des trois études du Parlement Européen. Ses publications principales couvrent différents domaines : la validité et l'opposabilité des contrats, le droit de la famille - en particulier la protection des mineurs - les successions internationales, les mesures provisoires, la litispendance, la reconnaissance des jugements.

PAOLO PROLO

Sede lavoro: Assicurazione invalidità (Svizzera)
SSD: 06 - Scienze mediche
ERC: LS5 Neurosciences & neural disorders

Paolo Prolo has been working as a psychiatrist at the Swiss Federal Disability Insurance office in Bellinzona, Switzerland, since 2008. Since 2016, he has been medical team leader at the same institution. He graduated in Medicine at the University of Torino, Italy, completed his post-graduate studies in Psychiatry and Neuroendocrinolgy at the National Institute of Mental Health, Clinical Neuroendocrinology branch (NIMH-CNE) in Bethesda, MD in 1999. Until 2008, he lectured in Evidence-based Medicine at the University of California, Los Angeles (UCLA). As a certified expert in Insurance medicine he lectures to medical doctors and interested persons. Since 2015 he has been working on non-medical therapies of dementia, in particular design and effectiveness of a sensory garden in dementia care.

MARCO RANOCCHIARI



H-Index: 25
Sede lavoro: Paul Scherrer Insitute (Svizzera)
SSD: 03 - Scienze chimiche
ERC: PE5 Materials & Synthesis
Keywords: metal-organic frameworks, catalysis, characterisation

Professional Experience 2019-current Teacher of the course “Industrial Chemistry” - ETH Zurich, Switzerland. 2016-current Group Leader at Paul Scherrer Institute, Switzerland 2015-current Co-founder and advisor of the PSI spin-off novoMOF (http://novoMOF.com). 2012-2018 Teacher of the course “Catalysis” - ETH Zurich, Switzerland. 2013-2015 Scientist at Paul Scherrer Institute, Switzerland 2010-2013 PostDoc at Paul Scherrer Institute, Switzerland 2005-2009 Ph.D. in chemistry at ETH Zürich, Switzerland Education 2005-2009 Ph.D. in Natural Science (Chemistry) – ETH Zürich, Switzerlan 2000-2005 Bachelor/Master Degree in Chemistry – Università degli Studi di Milano, Italy List of Publications Over 50 papers in international refereed journals, book chapters, and 4 patents. 20 orals and invited orals and various posters, keynotes. Awards Young Scientist Award, “in recognition of the excellent scientific contribution presented as main author at the 15th ICC"

DANIEL RICCI



Sede lavoro: CERN (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE7 Systems & communication engineering
Keywords: fibre, ottiche, cablaggi, cavi

Daniel RICCI is Head Engineer of Fibre Optics and Cabling at the European Organization for Nuclear Research (CERN), Geneva, Switzerland. Mr Ricci manages a team of 30 staff (plus several external contractors) responsible for the supply and installation of copper cabling and optical fibres for CERN accelerators and experiments. Prior to joining CERN, Mr Ricci was Project Engineer in the field of optoelectronics for the Italian National Institute of Nuclear Physics (INFN) from 2001 to 2005. During this period he was also appointed Adjunct Professor of Computer Science at the University of Perugia. Daniel Ricci’s expertise includes substantial experience in the awarding and management of large-scale industrial contracts, mass production, quality assurance and quality control. Daniel Ricci is a licensed Professional Engineer in Italy and author of several international publications.



TONI RICCIARDI

Sede lavoro:	Université de Genève (Svizzera)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH6 The study of the human past
Keywords:	Storia, Migrazione, Europa, Mobilità, Catastrofi, Storia sociale

Toni Ricciardi, è storico delle migrazioni presso l'Università di Ginevra. Codirettore della collana «Gegenwart und Geschichte-Présent et Histoire» (Seismo), è tra i coautori del Rapporto italiani nel mondo della Fondazione Migrantes, del primo Dizionario enciclopedico delle migrazioni italiane nel mondo (Ser, 2014) e membro del comitato editoriale di «Studi Emigrazione». Ha scritto, tra l'altro, Associazionismo ed emigrazione. Storia delle Colonie Libere e degli Italiani in Svizzera (Laterza, 2013) e L'imperialismo europeo (Corriere della Sera, 2016). Per i tipi di Donzelli ha pubblicato Morire a Mattmark. L'ultima tragedia dell'emigrazione italiana (2015, Premio «La valigia di cartone 2015») e Marcinelle, 1956. Quando la vita valeva meno del carbone (2016). L'ultimo lavoro: «Breve storia dell'emigrazione italiana in Svizzera. Dall'esodo di massa alle nuove mobilità» (2018).



ANTONIO RIOTTO

H-Index:	85
Sede lavoro:	UNIVERSITA' DI GINEVRA (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	ASTROPARTICELLE, COSMOLOGICA

PROFESSORE ORDINARIO DI FISICA TEORICA, UNIVERSITA' DI GINEVRA E DIRETTORE DEL DIPARTIMENTO DI FISICA TEORICA DELLA MEDESIMA UNIVERSITA'



ANDREA A. ROMEO

H-Index:	6
Sede lavoro:	F. Hoffmann-La Roche Ltd (Svizzera)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology
Keywords:	metabolismo, chimica analitica, chimica farmacologica

Scientist with wide-ranging experience and accomplishments in international Pharmaceutical industry Research and Development, PhD in chemistry with broad expertise in bioanalytical chemistry, chromatography and mass spectrometry technologies. Broad experience and skills in managing bioanalytical laboratories for research and development projects in a multicultural and cross-functional environment. Proven track record of: • Managing people and projects including strategy, planning, budgeting, executing and reporting experiments for bioanalysis, pharmacokinetic/metabolism in preclinical and clinical developmental phases. • Liaising with external suppliers, working in a complex matrix environment, interfacing with different stakeholders to find agreements and meet objectives and deadlines. • Collaborating in drug discovery and development processes through most disease areas, supporting candidate selection, IND and NDA enabling studies and regulatory submission with Health Authorities



EDOARDO ROSSI

Sede lavoro: ETH Zürich (Svizzera)
SSD: 04 - Scienze della terra 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering
Keywords: Renewable energy, CO2 reduction, Mechanical engineering

Dr. Edoardo Rossi is a Mechanical Engineer and currently a Postdoctoral Research Associate at ETH Zürich, Switzerland. He is leading projects focusing on the development of novel concepts to facilitate access and improve utilization of deep underground resources in the fields of renewable energy systems. In 2020, he received his PhD from ETH Zürich. He holds a MSc (2016) in Mechanical Engineering from ETH Zürich. Before this, he obtained in 2014 a BSc (2011) cum laude in Mechanical Engineering from UNIVPM, Italy. During his professional and academic career, he worked closely with the industry and acquired extensive experience in the R&D industry working in companies both in Switzerland and Italy, in the context of process & mechanical engineering, e-mobility and fluid mechanics.



LORENZO ROSSI

Sede lavoro: ETH Zürich (Svizzera)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry
Keywords: Structural biology, Molecular biology, Biochemistry, Protein chemistry, cryoEM

I am Lorenzo Rossi, currently (2023) a third year PhD student in Structural biology in the laboratory of Prof. Kaspar Locher (ETH Zurich), where I apply protein chemistry, molecular biology, biochemistry and cryo-electron microscopy to understand the molecular mechanism of challenging membrane proteins involved in key pathophysiological processes. Before my PhD, I performed my academic studies at several Universities around the world (Italy, Spain, Canada, U.S.A. and Germany), where I learnt the theoretical and practical aspects of research in the biological field. My interests and achievements during my studies and work have been recognized with several awards, for which I am thankful. I speak fluently Italian, English, Spanish and I am learning German. I am open, friendly and always looking for great teammates to address exciting biological questions.



CHIARA RUGGERI

Sede lavoro: ETH, Zurich (Svizzera)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry

Hi! I am Chiara, and I am a PhD student in biochemistry at ETH Zürich.



PAOLO MICHELE RUTI

H-Index: 31
Sede lavoro: World Meteorological Organization (Svizzera)
SSD: 02 - Scienze fisiche

ERC:	PE10 Earth system science
Keywords:	Fisica atmosfera, fluidodinamica, climatologia , meteorologia

Chief of World Weather Research Division (WWRP) – World Meteorological Organization (United Nations), Geneva, Switzerland: managing staff. Strong international involvement in managing research programs across weather and climate topics and bridging to the user's community: (coordinator of the first EU project on Climate Services – CLIMRUN), member of executive committees and scientific steering groups (European Climate Research Alliance, GEWEX-WCRP, African Monsoon Multidisciplinary Analysis AMMA-EU). International research activities since 1996 (PhD within the first European project on the regionalization of the climate change). Author and co-authors of more than 60 peer reviewed papers (6 on Nature, PNAS), h-31.



GIACOMO SALA

Sede lavoro:	ETHZ (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Spintronics, magnetism

2015, Bachelor degree in Engineering Physics, Politecnico di Milano, Italy 2016, Internship at Fermi National Laboratory, IL, USA 2017, Master degree in Engineering Physics, Politecnico di Milano, Italy 2018 - current, PhD in Spintronics and magnetism, ETH Zurich, Switzerland



FEDERICA SALLUSTO

H-Index:	109
Sede lavoro:	ETH Zurich and Università della Svizzera italiana (Istituto di Ricerca in Biomedicina) (Svizzera)
SSD:	06 - Scienze mediche
ERC:	LS6 Immunity & infection
Keywords:	Immunologia

Born 1961, Napoli. Doctor Biology, University Rome, 1988. Postdoc, 1988–1991, Researcher, 1991–1996, Istituto Superiore Sanità, Rome. Visiting scientist, 1992–1994, Member, 1997–2000, Basel Institute for Immunology. Director Cellular Immunology Laboratory, Institute for Research in Biomedicine, Bellinzona, 2000–. Full Professor, Medical Immunology, ETH Zurich, 2017– and Università Svizzera italiana, 2017–. Member, National Research Council, Swiss National Science Foundation. Member, Swiss National COVID-19 Science Task Force. Pharmacia Research Foundation award (1999), Behring Lecture Prize (2009), Prize I numeri UNO, Camera di Commercio Italiana per la Svizzera, Award Foundation Neurodegenerative Diseases (2010), Member Kunkel Society (2007), Member German National Academy Science Leopoldina (2009), Member EMBO (2011), Honorary member Swiss Society Allergology Immunology (SSAI). President SSAI, 2013–2015, President elect European Federation Immunological Societies (EFIS), 2019–2021.



ANDREA SCIANDRA

H-Index:	67
Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter

Keywords:	High-Energy Physics Particle Large Hadron Collier (LHC) Higgs boson ATLAS experiment

I am a Postdoctoral Scholar-Employee at Santa Cruz Institute For Particle Physics conducting research in high-energy particle physics. I am a member of the ATLAS experiment at the Large Hadron Collider (LHC) since 2014. My work is part of an international effort to discover, study and characterise the fundamental constituents of matter and their interactions. The main focus of my research activity is the search for Higgs-boson production at very high energy, where deviations from the Standard Model predictions may be hiding. For this purpose, I also work on technical developments devoted to the improvement of track-reconstruction algorithms in dense environments.

ELEONORA SECCHI



H-Index:	16
Sede lavoro:	ETH Zurich (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Biophysics, Soft Matter, Microfluidics, Optical Microscopy, Biofilms

Eleonora Secchi is currently the Group Leader of the bioMatter Microfluidics Group at ETH Zurich, Switzerland. She earned a B.A. in Physical Engineering, an M.Sc. in Nuclear Engineering, and a Ph.D. in Chemical Engineering and Industrial Chemistry from the Polytechnic University of Milan. From 2014 to 2016, she was a postdoctoral fellow at Ecole Normale Supérieure of Paris. In 2016, she was awarded an ETH Postdoctoral Fellowship. In 2018, thanks to a Swiss National Science Foundation PRIMA grant, Eleonora started her research group. Her research aims to understand the physical mechanisms influencing the assembly and the behavior of bacterial biofilms. She exploits the precision afforded by microfluidics, combined with visualization techniques borrowed from soft matter physics, to access biofilm's microstructure and rheology, with the ultimate goal of linking structural properties to their biological function.

LUIGI SERIO



H-Index:	14
Sede lavoro:	CERN (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	LS7 Diagnostic tools, therapies & public health PE6 Computer science & informatics PE8 Products & process engineering

LUIGI SERIO is a senior staff, principal investigator, and project leader in the Technology department at CERN (Geneva, Switzerland). His field of expertise is in cryogenics, mechanical, instrumentation, nuclear and thermo-hydraulic engineering, availability and reliability, machine learning and artificial intelligence. He has also worked and collaborated as advisor and review committee member with international projects in the field of Nuclear Fusion and Particle Accelerators at JET Joint Undertaking (UK), SLAC (Stanford, US), FERMILAB (US) and ITER Organization (Cadarache, France). Graduated at the Politecnico di Milano (Italy) with an MSc in Nuclear Engineering. Awarded a PhD in mechanical engineering at Cranfield University (UK). Chartered nuclear engineer, radiation protection adviser and PMP. More than 100 papers in the field of nuclear and cryogenic engineering and technology. An international patent and two theses.



GABRIELE SICURO

Sede lavoro: École polytechnique fédérale de Lausanne (EPFL) (Svizzera)
SSD: 01 - Scienze matematiche e informatiche 02 - Scienze fisiche
ERC: PE6 Computer science & informatics
Keywords: Disordered systems, optimization, statistical physics

Master degree in physics at Università del Salento (2011) PhD in Physics at University of Pisa (2015) Postdoctoral researcher at Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro (2015-2016) Postdoctoral researcher at Sapienza Università di Roma (2017-2019) Postdoctoral researcher at École Normale Supérieure de Paris (2020)



DIMITRIOS SPILIOTOPOULOS

H-Index: 15
Sede lavoro: Xenometrix AG (Svizzera)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry

Laureato in scienze biologiche, dopo aver lavorato nel gruppo della senatrice Cattaneo e conseguito un doppio PhD presso l'Università San Raffaele e la Open University, ho vinto una SNF postdoctoral fellowship presso l'Università di Zurigo. Ora sono lo Scientific Director di Xenometrix, dove, oltre a occuparmi di processi generali e di quelli di Ricerca e Sviluppo, gestisco collaborazioni con università, aziende, organizzazioni e istituzioni (tra cui il BAG e l'OECD). Con un vasto campo di conoscenze e specialità, che spaziano dalla chimica computazionale alla biologia delle cellule staminali, e ottime capacità comunicative (spesso vengo invitato a conferenze per presentare dati e progetti) ricopro ora un ruolo di responsabilità in una piccola ma stabile azienda. Infine, sono membro del Board di AIRIcera e referente del Chapter Svizzero di AIRIcerca.



FRANCESCO STELLACCI

H-Index: 55
Sede lavoro: Ecole Politechnique Fédérale de Lausanne (Svizzera)
SSD: 02 - Scienze fisiche 03 - Scienze chimiche
ERC: PE4 Physical & Analytical Chemical sciences PE5 Materials & Synthesis PE8 Products & process engineering
Keywords: Materiali

Prof. Francesco Stellacci got his degree in Materials Engineering at the Politecnico di Milano in 1998 with Prof. Zerbi. He then moved as a post-doc with Prof. J.W. Perry in the Department of Chemistry at the University of Arizona. In 2002 he became as assistant professor in the Department of Materials Science and Engineering at MIT (Cambridge, USA). There he became associate professor with tenure in 2009. In 2010, he moved as a full professor to EPFL where he holds the Constellium chair. Stellacci has published more than 130 papers and has more than 15 patent applications. He has won numerous awards, among the the Technology Review TR35 'top innovator under 35', the Popular Science Magazine 'Brilliant 10', and the EMRS EU40. He is a Fellow of the Royal Society of Chemistry, of the Global Young Academy, and of the European Academy of Sciences.

JACOPO TANI



H-Index:	6
Sede lavoro:	Swiss Federal Institute of Technology in Zurich (ETH Zurich) (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering
Keywords:	Robotics, Automation, Education

- Bachelor Degree in Aerospace Engineering, La Sapienza University, Rome, Italy - Master Degree in Space Engineering, La Sapienza University, Rome, Italy - Master in Space Institutions and Policies, Italian Society for International Organization (SIOI), Rome, Italy - Ph. D. in Aerospace Engineering, Rensselaer Polytechnic Institute (RPI), Troy, NY, USA - Postdoctoral Associate, Massachussetts Institute of Technology (MIT), Cambridge, MA, USA - Senior Researcher, Swiss Federal Institute of Technology (ETH Zurich), Zurich, Switzerland - Co-founder and CEO of Duckieworks AG, Zurich, Switzerland - Co-founder and CEO of Duckietown Inc., Cambridge, MA, USA

MARCO TOGNON



H-Index:	14
Sede lavoro:	ETH (Svizzera)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Robotics, Aerial Robotics, Control, Physical Interaction

Currently, I am a post-doctoral researcher at ETH-Zurich, working in the Autonomous Systems Lab (ASL), under the supervision of Prof. Dr. Roland Siegwart. From August 2018 to April 2020, I worked as post-doctoral researcher at Laboratory for Analysis and Architecture of Systems (LAAS). In July 2018, I obtained the PhD in robotics from the Institut National des Sciences Appliquées de Toulouse (INSA). I carried out my PhD thesis on aerial physical interaction at Laboratory for Analysis and Architecture of Systems (LAAS), under the supervision of Dr. Antonio Franchi and Dr. Juan Cortés. I got the master degree in Automation Engineering at the University of Padua after an internship at the Max Planck Institute for Biological Cybernetics in the Autonomous Robotics and Human-Machine Systems group.

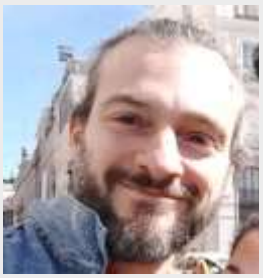
LUIGI TORNILLO



H-Index:	39
Sede lavoro:	GIlab AG (Svizzera)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health LS9 Applied life sciences & biotechnology
Keywords:	Pathology, Immunohistochemistry, Molecular Pathology, Liver Pathology, Gastrointestinal Pathology, Tissue Microarray

I was born in Calitri (Av) in 1964. I got my degree in Medicine, my specialisation and my PhD at the University of Naples „Federico II“ in Naples, in the ‘90s. After three years as head of Cytopathology section at CROB, I moved to Basel in 2001. At the Institute of Pathology of the University of Basel, I became Assistant Professor (2007) and Titular Professor (2015) of Pathology. My main research interests were gastrointestinal and liver pathology and molecular pathology, focusing on the application of high-throughput techniques to the study of tumours. I was involved in several research projects, funded by the Swiss Cancer League and Swiss National Research Fund. I was senior pathologist and head of

diagnostic molecular pathology at the Institute of Pathology (2001-2015). Since 2015 I am leading pathologist at GILab, a laboratory specialised in gastrointestinal pathology. I am technical assessor by the SAS (Swiss Accreditation Board) and INAB (Irish Accreditation Board).



RICCARDO TORRE

Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	hep-ph, hep-th, Standard Model, Beyond the Standard Model

2017 - in corso Fellow, CERN Theory Division, Switzerland (in congedo dall'INFN) 2017 - in corso Ricercatore INFN di III livello, Sezione di Genova 2015 - 2017 Postdoc, EPFL, Lausanne, Switzerland 2012 - 2015 Postdoc, Università di Padova 2011 - 2012 Postdoc, Instituto de Física Teórica UAM/CSIC, Madrid, Spain 2008 - 2011 Ph.D. in Fisica, Università di Pisa 2005 - 2007 Laurea Specialistica in Fisica Teorica, Università di Genova 2001 - 2005 Laurea Triennale in Fisica, Università di Genova



DANIELA VAJ

H-Index:	5
Sede lavoro:	Université de Lausanne (Svizzera)
SSD:	11 - Scienze storiche, filosofiche, pedagogiche e psicologiche
ERC:	SH5 Cultures & cultural production SH6 The study of the human past
Keywords:	Storia, viaggi, medicina, iconografia, informatica umanistica, umanità digitali

Ricercatrice all'Università di Losanna. Dottore in lettere dell'Università di Milano, ha completato i suoi studi all'EHESS di Parigi e all'Università di Ginevra. Documentalista alla Televisione della Svizzera romanda, si è occupata tra l'altro della conservazione degli archivi audiovisivi. Successivamente ha diretto la Biblioteca dell'Institut des Humanités en Médecine (CHUV e Facoltà di biologia e medicina di Losanna) dove collabora come ricercatrice associata. Professore di lingua e cultura italiana, ha anche insegnato l'economia del patrimonio presso la Haute école spécialisée de Suisse occidentale. Autrice di varie pubblicazioni scientifiche, le sue aree di interesse si concentrano sulla storia dei viaggi e sulla storia della medicina. Nell'ambito del programma nazionale PNR48, ha collaborato al progetto di ricerca Breathing Fresh Air. Dal 2007 gestisce la piattaforma Viaticalpes & Viatimages consacrata alle illustrazioni degli antichi testi di viaggio nelle Alpi.



LUCA VALENZIANO

H-Index:	72
Sede lavoro:	Consolato d'Italia (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astrofisica, Cosmologia, Spazio

Sono Primo Ricercatore presso l'Osservatorio di Astrofisica e Scienza dello Spazio dell'Istituto Nazionale di Astrofisica (INAF). Da Marzo 2022, Addetto Scientifico presso il Consolato d'Italia a Zurigo. Ho ricoperto ruoli chiave in progetti scientifici internazionali dallo Spazio (Missioni ESA Planck, Euclid, Athena, PLATO) e da terra (HIRES per ELT). La mia area principale di attività è la realizzazione di strumentazione complessa per missioni spaziali, in collaborazione con grandi industrie del settore e PMI. Sono stato responsabile dell'ufficio di presidenza per le relazioni internazionali dell'Istituto

Nazionale di Astrofisica (INAF). Vincitore del premio Gruber 2018 come persona chiave per il successo del satellite Planck. Docente a contratto presso l'Università di Genova dal 2018 e consulente/formatore presso industrie spaziali. Autore di oltre 300 pubblicazioni scientifiche, profilo ORCID http://orcid.org/0000-0002-1170-0104

PIERO VALLANIA

H-Index:	32
Sede lavoro:	INAF (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astroparticle physics, cosmic rays, Monte Carlo simulations

After High School he graduated with honors in Physics in Turin in 1983 with the thesis "Measurement of the arrival directions of cosmic rays of high energy", supervised by Prof. G. Navarra. In 1985 he was hired by the CNR of Italy as "Collaboratore del ruolo Tecnico Professionale". Since 1989 he was set in the third professional level with the profile of researcher, a role that was transferred to INAF-IFSI in 2005. Since 2006, following a national competition he was set in the second professional level with the profile of Senior Researcher. His research activity has been mainly devoted to the experimental study of the cosmic high energy in its various components (charged and neutral) with several equipment and techniques mainly at high altitude, but also from space and deep underground. Since 1995 he is associated to CERN (PH division/UFT) and from 1987 to INFN. Member of several international scientific Collaborations: EAS-TOP, LVD, LSD, INCA, ARGO-YBJ, EUSO, ULTRA, JEM-EUSO, CTA.

GIACOMO VALLE



H-Index:	13
Sede lavoro:	ETH Zurich (Svizzera)
SSD:	06 - Scienze mediche 09 - Ingegneria industriale e dell'informazione
ERC:	LS5 Neurosciences & neural disorders LS9 Applied life sciences & biotechnology PE6 Computer science & informatics
Keywords:	Neuroingengneria; Bionica; Neuromodulazione

Dr. Valle received the B.S degree in Biomedical Engineering, in 2014, and the M.S. degree in Bioengineering curriculum Neuroengineering & Bio-ICT (110 cum laude and DS), in 2016, from the Department of Computer Science, Bioengineering, Robotics and Systems Engineering (DIBRIS) in University of Genoa, Genoa, Italy. Dr. Valle worked as Research Assistant at the École polytechnique fédérale de Lausanne (EPFL) in the Translational Neural Engineering Lab (TNE), Lausanne, Switzerland and Dr. Valle recently finished the Ph.D in Biorobotics (cum laude) at the The Biorobotics Institute, Scuola Superiore Sant'Anna (Pisa, Italy). Dr. Valle is currently a Postdoctoral researcher in Neuroegineering Lab, ETH Zurich, Switzerland. My research interests are in neuroengineering and computational models: neuroprostheses in animal and human models for the peripheral stimulation of the nervous system in order to understand the neural control of movement, prostheses control and the sensory feedback.

MASSIMILIANO VATIERO



Sede lavoro:	Università della Svizzera italiana (Svizzera)
SSD:	12 - Scienze giuridiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Law and Economics

Massimiliano Vatiero è Titolare Cattedra "Brenno Galli" in Analisi Economica del Diritto, all'USI dal 2010. Massimiliano Vatiero è stato visiting scholar al Chicago Kent College of Law per il semestre primaverile 2009, visiting assistant professor all'Istituto di Law and Economics di Amburgo per il semestre invernale 2012, visiting researcher a Harvard Law School per il semestre invernale 2013 e il semestre invernale 2014. I suoi temi di ricerca comprendono Analisi Economica del Diritto, Regulation e Concorrenza dei Mercati, Corporate Governance, ed Economia delle Istituzioni.



FRANCESCA VIGGIANO

Sede lavoro:	CERN (Svizzera)
SSD:	08 - Ingegneria civile e Architettura
ERC:	PE8 Products & process engineering
Keywords:	Project Management, Health Safety Environment, Renewable Energy, Biomass, Sustainability, Energy Policy

Problem solver, open minded and proactive. Able to work under pressure and very flexible. Environmental engineer with a PhD in the field of biomass. At present, safety engineer at CERN. In the past R&D Project Leader with a demonstrated ability to manage diverse partners and the technical documentation. Fluent in English and French. Competencies: Project Management, Health Safety Environment, Renewable Energy, Biomass, Sustainability, Energy Policy



GABRIELE VISENTIN

Sede lavoro:	ETH Zurich (Svizzera)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE1 Mathematical foundations
Keywords:	Probability Theory, Mathematical Finance, Machine Learning

I am a postdoctoral researcher at the Department of Mathematics of ETH Zürich in the RiskLab group. My research is focused on Mathematical Finance, specifically on the following topics: 1) Machine Learning applied to finance, 2) Analytical techniques for large credit portfolio losses 3) Counterparty risk and CVA in financial networks See my personal webpage (https://sites.google.com/view/gabrielevisentin/homepage) for more information. My teaching experience is in Probability Theory, Mathematical Finance, and Machine Learning. See the Teaching page for more information.



TOMASO ZAMBELLI

Sede lavoro:	Politecnico di Zurigo (ETH Zürich) (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	LS3 Cellular and Developmental Biology PE4 Physical & Analytical Chemical sciences
Keywords:	biophysics, additive manufacturing at the micro- and nanoscale

Prof. Tomaso Zambelli is an expert of scanning probe microscopy. He studied physics (condensed matter) in Padova (IT) and earned his PhD at the Fritz-Haber-Institut der Max-Planck-Gesellschaft (Berlin, DE) under the supervision of Prof. Wintterlin and Prof. Ertl (2007 Nobel Laureate in Chemistry) studying catalytic reactions on metal surfaces with UHV-STM. After a postdoctoral stage at the CNRS in Paris (FR) with Dr. Allongue investigating local metal electrodeposition on Si surfaces with electrochemical STM , he was appointed as “Chargé de Recherches du CNRS” (CEMES, Toulouse, FR). He carried out single-molecule studies by STM and AFM in UHV (Habilitation à Diriger des Recherches, Université Paul-Sabatier, 2006). In the same year, he joined ETH Zurich as “Senior Scientist” where he coordinated the invention of the

FluidFM technology, appointed "Titular Professor" in 2018. His major research interests are single-cell biophysics and electrochemical 3D nanoprinting.



DANIELE ZANZI

H-Index:	108
Sede lavoro:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	LHC,ATLAS,CERN,HIGGS

Ricercatore sperimentale in fisica delle particelle, attualmente presso il CERN come Research Fellow. Membro della collaborazione ATLAS. 2014-2017, postdoc presso l'Universtita' di Melbourne. 2014, PhD in fisica presso la Technische Universität in Monaco di Baviera. Pubblicazioni: http://inspirehep.net/author/profile/D.Zanzi.1



FRANCESCA ZERBATO

H-Index:	11
Sede lavoro:	Universität St. Gallen (HSG) (Svizzera)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics
Keywords:	process mining, BPM, process modeling

Francesca Zerbato is currently a post-doctoral researcher at the University of St. Gallen (HSG), Switzerland, where she joined the Software Engineering and Programming chair in 2019. Her current research interests are in the area of BPM and process mining. Since 2020, her research has focused on understanding and supporting the "process of process mining" in the context of a project funded by the Swiss National Science Foundation. Before joining HSG, she was a doctoral candidate at the University of Verona, where she mostly focused on process modeling in the BPM area.



TURCHIA

ALESSANDRO CAMIZ



H-Index: 8
Sede lavoro: Özyeğin University (Turchia)
SSD: 08 - Ingegneria civile e Architettura
ERC: SH6 The study of the human past PE8 Products & process engineering
Keywords: Progettazione architettonica e urbana, morfologia urbana, tipologia edilizia

Alessandro Camiz, architetto, si è laureato in Architettura alla Sapienza (1999). Nel 2007 ha discusso la tesi di dottorato in “Storia dell'urbanistica medievale a Ravenna” (Sapienza), dove ha frequentato gli studi post-dottorato fino al 2014. Ha insegnato al Rome program della School of Architecture (University of Miami) e alla Facoltà di Architettura, Design e Belle Arti della Girne American University, Cipro, dove ha diretto fino al 2018 l'International Center for Heritage Studies. È membro dell'ICOMOS-Italia, segretario generale del Cyprus Network for Urban Morphology e direttore della ricerca dell'Associazione per il dialogo storico e la ricerca, Cipro. Attualmente è professore associato e direttore del Laboratorio di Ricerca Dinamica sulla Morfologia Urbana presso la Facoltà di Architettura e Design della Özyeğin University, Istanbul. I suoi principali interessi di ricerca sono la morfologia urbana, la progettazione architettonica e la valorizzazione del patrimonio culturale.

SOFIA PIEPOLI



Sede lavoro: Sabanci University (Turchia)
SSD: 05 - Scienze biologiche
ERC: LS1 Molecular & Structural Biology & Biochemistry

PhD in Mol. Bio., Gen, & Bioeng. (2020); M.Sc. in Bioinformatics (2013); Visiting research fellow at University of Sussex; Specialized in protein structures, molecular modelling and simulations; 2 protein structures deposited to the PDB (6GUV; 6GUW); Teaching Assistant experience; Speaker at international conferences.



UNGHERIA



DANIELE FASANELLA

Sede lavoro: ATOMKI (Ungheria)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

Mi occupo di fisica delle alte energie, e sono parte dell'esperimento Compact Muon Solenoid (CMS) al Large Hadron Collider (LHC) del CERN dal 2008. La mia attività si svolge principalmente nell'ambito del rivelatore a muoni dell'esperimento, di cui sono stato coordinatore tecnico e di cui sono dal 2021 Project Manager. Ho svolto analisi con i dati raccolti da CMS, dando il mio contributo sugli studi del mesone esotico X(3872) e sugli effetti collettivi nelle collisioni protone-protone.

VIETNAM

MARCO ABBIATI



H-Index:	31
Sede lavoro:	AS (Vietnam)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Sviluppo sostenibile; Climate Change; Gestione ambientale; Conservazione; Habitat marini e costieri;

Marco Abbiati graduated in Biology (cum laude) at the University of Pisa in 1983, and obtained the Ph.D. at the University of Genoa in 1988. In 1988-89 he was Research Fellow at the University of Oslo. From 1990 to 1998 he was research manager at the laboratory of Marine Biology of the U. of Pisa. M. Abbiati moved to the U. of Bologna – Ravenna Campus in 1998 as Associate Professor, from 2002 he is Professor in Ecology. Marco ABBIATI has been working in the field of marine research and coastal management since 1989. His research focused on ecology of sandy and rocky bottom assemblages and on the impact of natural and anthropogenic stress on marine ecosystems. He is author and co-author of more the 100 papers published in international scientific journals and of many presentations to national and international conferences. (ISI WoK h-index 30, total citations 2438). He has been visiting scientist at the Universities of Oslo, Sydney, Adelaide, Maryland, Wesleyan, UC Santa Cruz.

R. ALBERTO BERNABEO



Sede lavoro:	RMIT (Vietnam)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE10 Earth system science
Keywords:	09/A1 – Ingegneria aeronautica, aerospaziale e navale

R. Alberto Bernabeo is a Doctor in Aeronautical Engineering, in Physics of the Earth System, with post Masters degrees in Geography and Territorial Processes, in Environmental Sustainability, in Scientific Journalism and in the Science of Education with more than 35 years experience as airline Commander, Instructor, Examiner, Auditor, including Postholder positions. He was also Product Assurance Manager for one Italian scientific satellite successful mission. University Professor since 1994. His current position is Associate Professor and Chair of Aviation at RMIT University (Vietnam).

GIULIA CUINI



Sede lavoro:	Hoa Sen University (Vietnam)
SSD:	14 - Scienze politiche e sociali
ERC:	SH5 Cultures & cultural production
Keywords:	development studies, urban studies, migration, culture, informality, ethnography, visual methods, asian studies

PhD candidate in Applied Social Sciences at the Hong Kong Polytechnic University. My ethnographic thesis focuses on the informality of livelihoods of the migrants in Can Tho's floating market. Currently based in Ho Chi Minh City (HCMC), Vietnam, working as a lecturer at Hoa Sen University. In 2020 I co-founded the Saigon Social Sciences Hub (SSSH) with the support of the EFEO in HCMC. We are a networking platform for young researchers in Vietnamese studies and we organize biweekly seminars and conferences. Languages: Italian (mother tongue); English (C1); Mandarin Chinese (HSK 4)

HOANG GIANG



H-Index:	10
Sede lavoro:	National University of Civil Engineering (Vietnam)
SSD:	08 - Ingegneria civile e Architettura
ERC:	LS8 Evolutionary, population & environmental biology
Keywords:	Solid waste management, plastic waste

I am currently working as an assistant professor at the National University of Civil Engineering. I teach undergraduate and graduate courses such as solid waste management and environmental monitoring data analysis. My research interest focuses on developing sustainable solid waste management, including decision support system development and application of waste recovery and recycling technologies. I also work with national and international organizations (MOET, MONRE, UNDP, UNESCO, WWF, etc.) as a national expert/consultant and contribute to academic publications as a reviewer/editor for various journals.

FRANCESCO MECA



Sede lavoro:	British University Vietnam (Vietnam)
SSD:	13 - Scienze economiche e statistiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	Management, Marketing, Tourism, Events, Supply chain, Logistics, IT, Information Systems, Project Management

Docente universitario dal 2019 in Vietnam, in svariate discipline in ambito manageriale. Esperienza corporate importante prima di passare al settore universitario, ex dipendente Apple; svariati ruoli in diverse funzioni aziendali ad ogni livello.

VAN ANH TRUONG



H-Index:	0
Sede lavoro:	Hanoi University of Natural Resources and Environment (Vietnam)
SSD:	08 - Ingegneria civile e Architettura 14 - Scienze politiche e sociali
ERC:	PE10 Earth system science

Van Anh Truong ha più di 10 anni di esperienza professionale nel campo dell'idrologia - idraulica - e dei progetti relativi all'acqua; e ha agito più volte come specialista del cambiamento climatico. Ha iniziato la sua carriera come ingegnere ambientale che ha applicato i modelli relativi all'acqua per l'analisi e la valutazione della qualità / quantità dell'acqua di un sistema fluviale in diverse condizioni, incluso il contesto dei cambiamenti climatici. Le sue esperienze sono state acquisite in varie regioni del Vietnam e coprono vari tipi di problemi idrici come la pianificazione delle risorse idriche, il rischio di catastrofi naturali, le previsioni idrologiche a breve e lungo termine. Tutti i progetti a cui è stata assegnata, hanno coinvolto la fase delle valutazioni di impatto sui cambiamenti climatici.

Ministero degli Affari Esteri
e della Cooperazione Internazionale
Direzione Generale per la promozione del Sistema Paese

INNOVITALIA
Il portale della diplomazia scientifica

RICERCATORI ITALIANI ALL'ESTERO

Annuario Innovitalia

2023

Diplomazia Scientifica

-°-

Composto a Roma, aprile 2022