**Ministero degli Affari Esteri
e della Cooperazione Internazionale**
Direzione Generale per la promozione del Sistema Paese

RICERCATORI ITALIANI ALL'ESTERO
Annuario Innovitalia 2019

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

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

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INNOVITALIA
Il portale della diplomazia scientifica

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Annuario Innovitalia

ARGENTINA – AUSTRALIA – AUSTRIA – BELGIO – BRASILE – CANADA – CILE – CINA – COREA DEL SUD – DANIMARCA - FINLANDIA – FRANCIA – GERMANIA – GIAPPONE – GRAN BRETAGNA - ISRAELE – LITUANIA – MESSICO – NORVEGIA – PAESI BASSI – REPUBBLICA CECA – SINGAPORE – SERBIA - SPAGNA – SUDAFRICA – SVIZZERA – USA

2019

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 e del MUR, 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 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 nel 2019 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.

Science Diplomacy – Conference of Scientific Attachés at Farnesina

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 and MUR, 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 2019.

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

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)
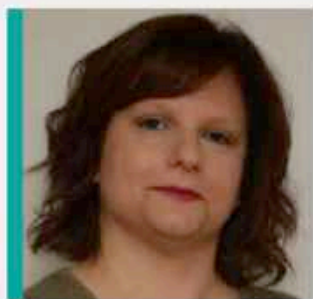- Keywords related to research activities

Italy - Ministry of Foreign Affairs and International Cooperation

INDICE

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ARGENTINA

MARÍA SOLEDAD BALSAS

Sede lavoro: CONICET (Argentina)

SSD: 14 - Scienze politiche e sociali

ERC: SH5 Cultures & cultural production

Keywords: Trasnazionalismo, migrazioni, televisione,

Ricercatrice presso il CIS,IDES-CONICET, Argentina. Dottoressa di ricerca in Scienze Sociali presso l'Universidad de Buenos Aires. Master in "Immigrati e Rifugiati. Formazione, Comunicazione e Integrazione Sociale" presso l'Università degli Studi di Roma "La Sapienza". Laureata in Scienze della Comunicazione presso l'Universidad de Buenos Aires. Autrice di "Televisión y participación política transnacionales. Las audiencias de televisión italiana en Buenos Aires", Buenos Aires, Prometeo, 2018. Ha collaborato con Ingenere.it, Estudios Culturales Comparativos, Altre Modernità, RiMe, La Critica Sociologica, il Rapporto Italiani nel Mondo, Rivista Gli Stranieri, Studi Emigrazione e Condivisione Democratica.

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.

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).

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CAMILA ZUCCATO

Sede lavoro: INBIOMED, UBA-CONICET (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".

AUSTRALIA

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:	PE10 Earth system science; PE8 Products & process Engineering
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 focuses 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.

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

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 a senior lecturer 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 dealing with Western responses to the challenge of Afro-Asianism and non-alignment in Asia (1954-65).

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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:	14
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 has a MS Summa cum Laude in Geological Sciences, and a PhD in Earth Sciences, from Sapienza (Rome, Italy). She was a postdoc at: Geological Survey of Japan, Tokyo Institute of Technology, NASA. She researches volcano-tectonic processes in Italy, Japan, NW USA, SE Australia, Mars. She collaborates with the Mars Advanced Radar for Subsurface and Ionosphere Sounding (MARSIS) science team. She was a university professor in Australia for about 25 years, teaching hard rock geology and planetary science. She is Founder and Director of Hypatia Scientifica, a science consulting company. She is adjunct: Research Professor, International Research School of Planetary Sciences, Italy; Research Fellow, Centre for Astrophysics, University of Southern Queensland. She has chaired national and international organizations, and is currently Associate Editor of the Australian Journal of Earth Sciences. She is a Fellow of the Australian Institute of Geoscientists.

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:	28
Sede lavoro:	The University of Melbourne (Australia)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis; LS9 Applied life sciences & biotechnology
Keywords:	Materiali Polimerici, Biomateriali, Nano-biomateriali

Dr. Francesca Cavalieri is currently Future Fellow in the Department of Chemical and Biomolecular Engineering, at The University of Melbourne. 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 71 peer-reviewed publications in leading international journals (H index 28) delivered invited lectures at international conferences. She has coordinated several international research projects (7th FP UE, Horizon2020 and ARC). 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
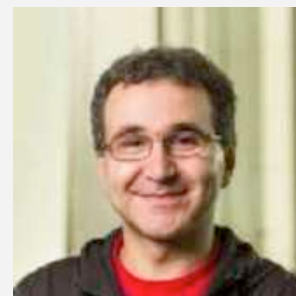
I am a Senior Research Fellow at the International Centre for Radio Astronomy Research, The University Western Australia. My research is in the area of observational extragalactic astronomy, and my main interest is the study of the physical properties of galaxies and their dependence on redshift and 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 Université 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.

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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.

Australian National University

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ENRICO DELLA GASPERA

H-index: 18

Sede lavoro: MIT University (Australia)

SSD: 03 - Scienze chimiche

ERC: PE5 Materials & Synthesis; PE4 Physical & An.l Ch. sciences

Keywords: nanomateriali, nanotechnologie

Enrico is currently a Senior Research Fellow 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 recently 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.

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.

RICCARDO DOLCETTI

H-index:	46
Sede lavoro:	University of Queensland - Research Chair in Cancer Medicine (Australia)
SSD:	06 - Scienze mediche
ERC:	LS7 Diagnostic tools, therapies & public health
Keywords:	Immunoterapia dei tumori, Neoplasie associate ad agenti infettivi

Prof. Riccardo Dolcetti is a senior clinician scientist with specialties in Oncology and Clinical Immunology. Since 1989 he has been working at the Centro Riferimento Oncologico - National Cancer Institute, Aviano, Italy as head of the Cancer Bio-Immunotherapy Division. He relocated to the University of Queensland Diamantina Institute in November 2015 as Research Chair in Cancer Medicine to develop and implement the clinical application of new immunotherapeutic and immunomonitoring strategies. He had the privilege to be the President of the Italian Society for Cancer Research in 2012-2013. He published over 230 journal articles in peer reviewed international journals, 20 book chapters and is co-inventor of several patents.

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.
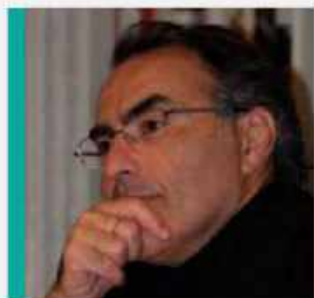
MARCO FALASCA

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. Dardanoni 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.

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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.

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 a 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.

MICHELA I. SIMONE

H-index: 14

Sede lavoro: University of Newcastle · School of Environmental and Life Sciences (Australia)

SSD: 03 - Scienze chimiche

ERC: PE5 Materials & Synthesis; LS1 Molecular & Structural Biology & Biochemistry

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.

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

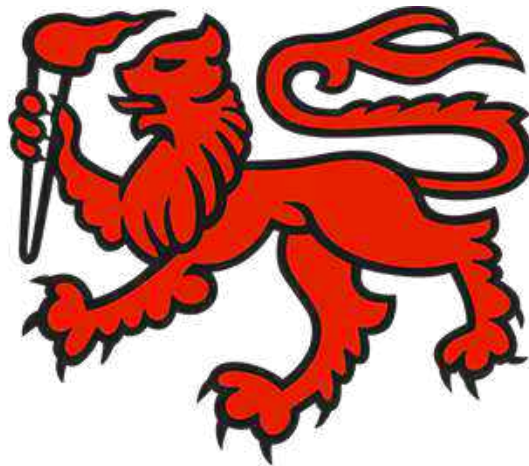**Sede lavoro:** The University of Tasmania (Australia)

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:	
ERC:	06 - Scienze mediche
Keywords:	LS7 Diagnostic tools, therapies & public health
	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).

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.

INNOVITALIA
Il portale della diplomazia scientifica

PIER MARZOCCA

H-index: 30

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.

RMIT University

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 recently joined the Centre for Automotive Safety Research (CASR) as a Research Associate. His research at CASR mostly relates to the safety of road infrastructures, with a specific focus on the implementation of the Safe System approach solutions to achieve various objectives ranging from speed mitigation in dangerous zones to shielding hazards using a proper type of road safety barriers. Recently, Dr Mongiardini has also started to work on the analysis of data from Naturalistic Driving Studies (NDS) with an emphasis on identifying the interaction of drivers with infrastructures. Previous research interests of Dr Mongiardini included investigating the performance of roadside safety barriers (including motorcyclists crashes into barriers), the reproducibility of vehicle rollover crash tests, and the safety of quad-bikes during a rollover.

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.

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.

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.

![INNOVITALIA - Il portale della diplomazia scientifica]

EGON PERILLI

H-index:	18
Sede lavoro:	Flinders University (Australia)
SSD:	02 - Scienze fisiche; 05 - Scienze biologiche; 06 - Scienze mediche
ERC:	PE6 Computer science & informatics; LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	imaging, microtomografia, micro-computed tomography, osso, osteoporosi, artrosi, resistenza ossea, frattura, ricerca ortopedica

Senior Lecturer, Medical Device Research Institute, 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 Society Secretary and President-elect (2018-2021) of the Australian New Zealand Orthopaedic Research Society (ANZORS).

MARCO PETASECCA

H-index:	15
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 a Senior Lecturer 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 adaptive 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.
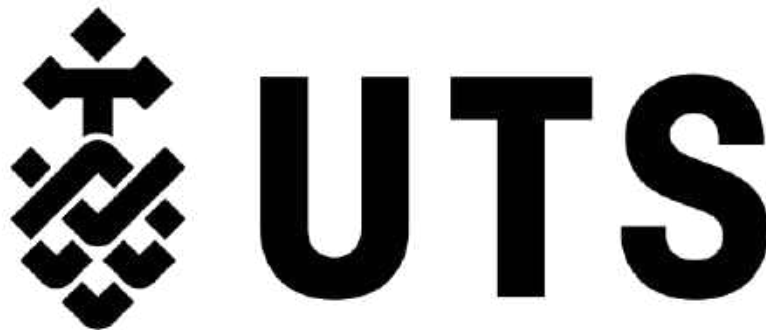
GIOVANNI POLVERINO

H-index:	12
Sede lavoro:	The University of Western Australia (Australia)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology; LS9 Applied life sciences & biotechnology; LS5 Neurosciences & neural disorders

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.

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: -	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.

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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.

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.

GIOVANNI TURCHINI

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

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.

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AUSTRIA

EZIO BARTOCCI

H-index: 24

Sede lavoro: TU Wien (Austria)

SSD: 01 - Scienze matematiche e informatiche

ERC: PE6 Computer science & informatics

I am currently a tenure-track Assistant Professor at Faculty of Informatics, TU Wien. The primary focus of my 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. I joined TU Wien in 2012 as University Assistant. In Dec. 2014 I won a "Laufbahnstelle" becoming a tenure-track Assistant Professor. Previously I was a postdoctoral researcher at the Department of Computer Science (Research Scientist - from Mar. 2011) and at the Department of Applied Math and Statistics (Research Associate - from Feb. 2010) of the State University of New York at Stony Brook. I received the B.S. degree in Computer Science and the M.S. degree in Bioinformatics and the Ph.D. in Complex Systems and Information Sciences from the University of Camerino in Italy, in 2002, 2005, and 2009 respectively.

Technische Universität Wien (foto P. Haas)

ANNA MARIA BOROWSKA

Sede lavoro: Technische Universität Wien- Vienna University of Technology

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 2016-2017 Assistente e segretaria 2014 –2015 Assistente 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 2012 Erasmus 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

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.

MARCO DELUCA

H-index:	19
Sede lavoro:	Materials Center Leoben Forschung GmbH (Austria)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering; PE5 Materials & Synthesis
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).

CESARE FRANCHINI

H-index:	34
Sede lavoro:	University of Vienna (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).

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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.

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.

INNOVITALIA
Il portale della diplomazia scientifica

BELGIO

CORRADO ALTOMARE

H-index: 7

Sede lavoro: Gent Universiteit (Belgio)

SSD: 08 - Ingegneria civile e Architettura

ERC: PE8 Products & process engineering; PE6 Computer science & informatics

Coastal engineer with consolidated experience in laboratory techniques and numerical modelling. 10-year career with a broad 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 the 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: PE8 Products & process engineering; SH3 Environment & society

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 Institute 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

KU Leuven

MARIACELESTE ARAGONA

H-index:	8
Sede lavoro:	Université Libre de Bruxelles (Belgio)
SSD:	05 - Scienze biologiche; 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology; LS4 Physiology, Pathophysiology & Endocrinology
Keywords:	Development, Stem cells, Skin, Molecular biology, Cell 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. I collaborated in projects regarding embryonic development (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 transcriptional 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 and I defined the stem cell dynamics during wound healing in mouse skin epidermis (Aragona et al., Nat Comm, 2017). 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.

Université Libre de Bruxelles (photo L. Herbinia)

SILVIA ARMINI

Sede lavoro: IMEC (Belgio)

SSD: 03 - Scienze chimiche

ERC: PE5 Materials & Synthesis; PE4 Physical & Analytical Chemical sciences

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: 23

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

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 evel use Dutch: basic knowledge Loop profile: 241376 ResearcherID: F-2969-2011 Scopus Author ID: 7004063908 ORCID iD: https://orcid.org/0000-0001-6771-839X.

INNOVITALIA
Il portale della diplomazia scientifica

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 all instruments in the research center. Furthermore, I take Flow Cytometry Training Courses for all the researchers who want to approach 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.

UCLouvain

Institut de recherche expérimentale et clinique

INNOVITALIA
Il portale della diplomazia scientifica

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

DANIELE CATANZARO

H-index: 10

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 programmazione matematica, la teoria dei codici, crittosistemi, e bioinformatica medica.

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.

MARCO DORIGO

H-index: 102

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.

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.

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

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. More specifically, a wild population of great tits (Parus major) is repeatedly infested with laboratory reared tree-hole ticks (Ixodes arboricola). Life-history and morphological traits of both species are collected with the aim to determine the main factors driving co-evolution in the host-parasite interaction.

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 the author of more than 100 peer reviewed papers. His current research group consists of 12 researchers.

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).

VALERIA IMPERATO

Sede lavoro:	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.

INNOVITALIA
Il portale della diplomazia scientifica

CARLO SAVERIO IORIO

H-index:	13
Sede lavoro:	Université libre de Bruxelles (Belgio)
SSD:	03 - Scienze chimiche; 05 - Scienze biologiche; 09 - Ingegneria industriale e 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.

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".

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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.

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 was born in Siena on 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 postdoctoral fellow at Hasselt University from October 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.

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: 18
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, Energy, Fluid Dynamics, Renewables,

Alessandro Parente is associate 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.

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 the fourth 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.
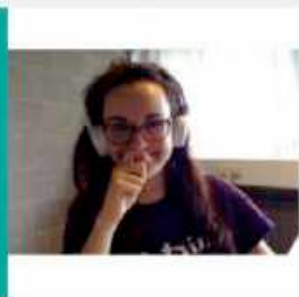
SERENA SANTI

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.

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.

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.

KATHOLIEKE UNIVERSITEIT LEUVEN

GIORGIO SONNINO

Sede lavoro: Université Libre de Bruxelles (ULB) and European Commission (Belgio)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter; PE3 Condensed matter physics; PE1 Mathematical foundations

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 Physique, 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: PE7 Systems & communication engineering; PE4 Physical & Analytical Chemical sciences; PE5 Materials & Synthesis

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.

INNOVITALIA
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DOMENICO SPINA

Sede lavoro:	Ghent University (Belgio)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC: P	E6 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. He has over 25 publications in international journals and conferences listed in the ISI Web of Science, and serves as reviewer for several international journals and conferences.

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.

BRASILE

ADONE AGNOLIN

Sede lavoro: Universidade de São Paulo (USP) (Brasile)

SSD: 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.

Universidade de São Paulo (photo Hector Carvalho)
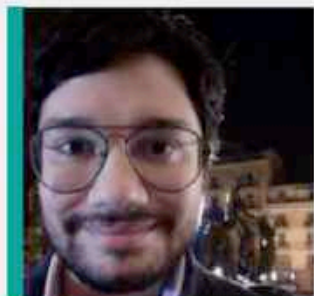
PIER FRANCESCO DE MARIA

Sede lavoro: Universidade Adventista de São Paulo (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) and at the Adventist University of São Paulo (UNASP), teaching courses about Statistics and Macroeconomics.

Universidade Adventista de São Paulo

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: SH3 Environment & society; SH1 Individuals, institutions & markets

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)

Universidade do Extremo Sul Catarinense

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.

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.

INNOVITALIA
Il portale della diplomazia scientifica

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.

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.

UNIVERSIDADE FEDERAL
DO RIO DE JANEIRO

INNOVITALIA
Il portale della diplomazia scientifica

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

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).

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.

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

BETINA SOLDATELI

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

UFRGS
UNIVERSIDADE FEDERAL
DO RIO GRANDE DO SUL

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.

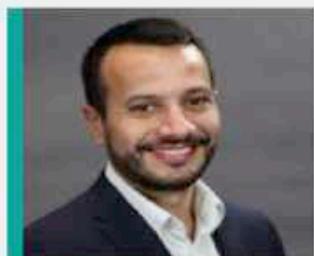*Universidade de Brasìlia*

CANADA

UMBERTO BERARDI

H-index: 28

Sede lavoro: Ryerson University (Canada)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE5 Materials & Synthesis

Professor of Building Science

ANTONINO CALÀ LESINA

Sede lavoro: University of Ottawa (Canada)

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

I obtained my bachelor degree in electronic engineering and my master's degree in telecommunications engineering (both summa cum laude) at the University of Catania in 2006 and 2009, respectively. I obtained my Ph.D. in ICT (electromagnetic fields) from the University of Trento in 2013 conducting research in photonics at the Fondazione Bruno Kessler. I moved to Canada for an IBM postdoctoral fellowship in 2013 to exploit high-performance computing for research in nanophotonics. I'm currently a research associate at the University of Ottawa. My areas of expertise are plasmonics, nonlinear optics, metamaterials, and computational electrodynamics.

University of Ottawa

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.

University of Toronto

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.

University of Guelph

WALTER LUCIA

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

I am currently an Assistant Professor at the Concordia Institute for Information Systems Engineering, Concordia University, Canada. I received the M.Sc. in Automation Engineering (2011) and 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 visiting postdoctoral researcher in the ECE Department at Carnegie Mellon University (USA). My current research interests include control of unmanned vehicles, switching systems, fault-tolerant control, model predictive control, and resilient control of cyber-physical systems. I am currently an Associate Editor for the Control System Society - Conference Editorial Board. Moreover, I am the Chair of the IEEE Systems, Man and Cybernetics and IEEE Control Systems societies (Montreal Chapter).

Concordia University

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

INNOVITALIA
Il portale della diplomazia scientifica

CILE

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.

CLAUDIA PALADINI

H-index: 13

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 Interferometer. 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.

CINA

MASSIMILIANO GALLUZZI

Sede lavoro: Shenzhen Institute of Advanced Technology, (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.

中国科学院深圳先进技术研究院
SHENZHEN INSTITUTES OF ADVANCED TECHNOLOGY
CHINESE ACADEMY OF SCIENCES

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 television news. He has been engaged worldwide in the planning and delivery of advanced educational programs in Periodontology and Implant Dentistry.

Hong Kong University (photo Baycrest)

COREA DEL SUD

GRAZIA ACCARDO

Sede lavoro: Korea Institute of Science and Technology (Corea del Sud)

SSD: 03 - Scienze chimiche

ERC: PE8 Products & process engineering; PE5 Materials & Synthesis

Keywords: scienza dei materiali, fuel cell, synthesis, material characterization, SOFC, MCFC

In 2015 Grazia Accardo was awarded her Ph.D. in Industrial Engineering at University of Napoli Parthenope and after a research project at-Swiss Federal Laboratories for Materials Science and Technology, in June 2015 she was invited as visiting scientist at the Fuel Cell Research Center of Korea Institute for Science and Technology for a research project in partnership with ENEA. Her activity in KIST was focused on the improvement of materials and components for high temperature fuel cells application. In July 2016 Dr. Grazia Accardo won the Korea Research Fellowship Program through the National Research Foundation of Korea funded by the Ministry of Science and ICT with a 5-years project on development of new fabrication processes for electrolytes materials in solid oxide fuel cells. Her research activities embrace several topics in the field of Materials Science and Technology, Energy & Environmental Application, Ceramic Electrolytes for Fuel Cells.

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 has been 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: 11

Sede lavoro: Dongguk Univerity (Corea del Sud)

SSD: 03 - Scienze chimiche; 09 - Ingegneria industriale e dell'informazione

ERC: PE5 Materials & Synthesis; PE4 Physical & Analytical Chemical sciences

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 on 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 University.

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

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 Università 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.

Technical University of Denmark (photo Thomas Hindsgaul)

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:	PE8 Products & process engineering; LS9 Applied life sciences & biotechnology; PE5 Materials & Synthesis
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.
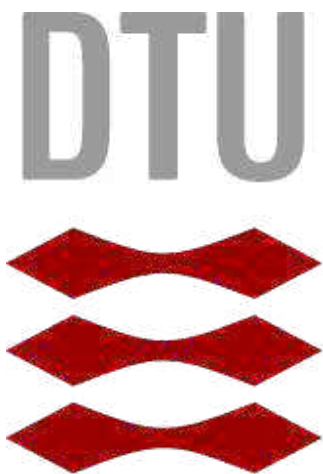
DTU Technical University of Denmark

ALESSANDRA CAMPLANI

Sede lavoro:	Niels Bohr Institute (Un. Copenhagen)
SSD:	02 - Scienze fisiche
ERC:	PE7 Systems & communication engineering
Keywords:	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

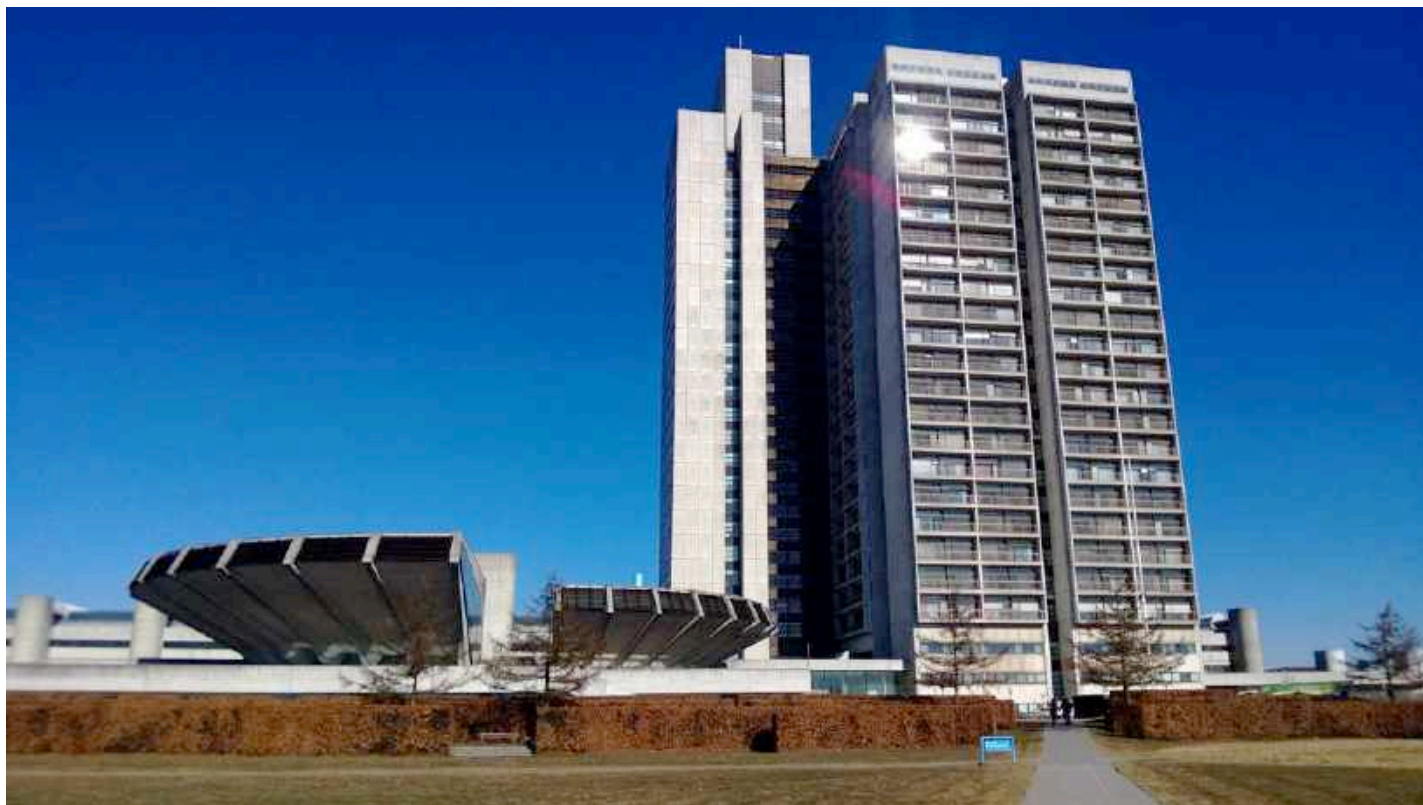**Sede lavoro:** CCIT, Herlev Hospital (Danimarca)

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 a murine model to investigate immunotherapeutic approaches to fight cancer.

Herlev Hospital (*photo Jakob Steenberg)*

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.

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.

INNOVITALIA
Il portale della diplomazia scientifica

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: Centre for Cosmology and Particle Physics (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.

INNOVITALIA
Il portale della diplomazia scientifica

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.

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.

DTU Mechanical Engineering
Department of Mechanical Engineering

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.

Aalborg University

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)

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 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

Università di Oulu

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

Giovanni Canarecci graduated in Mathematics from the University of Bologna (BSc in 2012, MSc cum laude in 2014) and spent a semester as an exchange student at the University of Arkansas (2014) with funding through the "Excellence in Complex Analysis and Partial Differential Equations Mobility" programme. He started his PhD in Mathematics at the University of Helsinki as an early-stage researcher within the Marie Curie "Metric Analysis in Emerging Technology" network and he obtained his Licentiate degree in 2018. He is currently finalising his PhD thesis. His main research interests consist of the Rumin Cohomology, orientability issues, the plateau problem and the compactness theorem for currents in the Heisenberg Group, with a general interest in Sub-Riemannian geometry and Carnot groups.

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).
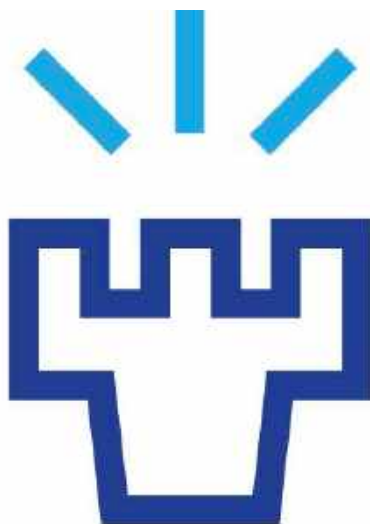
University of Oulu

VINCENZO CERULLO

H-index:	29
Sede lavoro:	University of Helsinki (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 Outstanding 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.

University of Helsinki

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 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).

UNIVERSITY OF HELSINKI

INNOVITALIA
Il portale della diplomazia scientifica
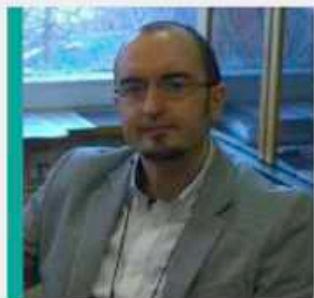
CATALDO DE BLASIO

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 on 27/04/1977 in Switzerland where my parents moved from the Southern 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.
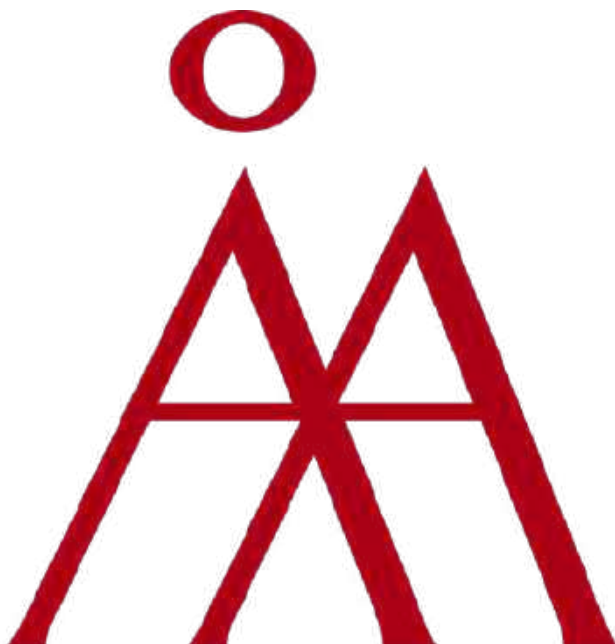
MASSIMO FICHERA

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.

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
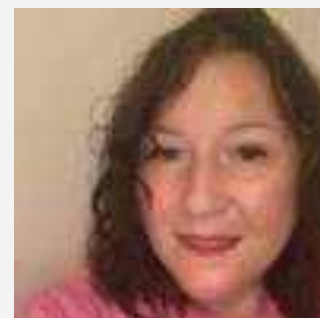
Dr. Iolanda Ialongo is a senior researcher in the Atmospheric Remote Sensing group at the Finnish Meteorological Institute (FMI), where she works with satellite-based observations of air pollutants and green-house-gases derived from the OMI (Ozone Monitoring Instrument) and TROPOMI (TROPOspheric Monitoring 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: Institute for Molecular Medicine Finland (FIMM) (Finlandia)

SSD: 13 - Scienze economiche e statistiche

ERC: LS7 Diagnostic tools, therapies & public health; PE6 Computer science & informatics; PE1 Mathematical foundations

Keywords: Bayesian inference, Unsupervised Machine Learning, Computational Statistics, Metabolomics, Lipidomics, Drug combination, Cluster Analysis

I'm a postdoctoral researcher at the Institute for Molecular Medicine Finland (FIMM) and I am currently working on 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.

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
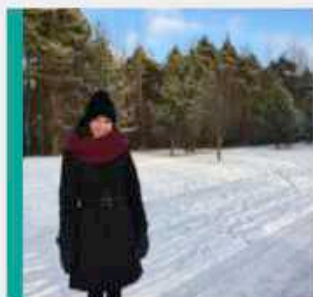
Sara Porzilli is Architect and European Ph.D. graduated at the Department of Architecture of the University of Florence, Italy. Her specialization is laser scanner survey and digital systems for the documentation and representation of the architecture and its environment. Now she is having a Post Doctoral 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.

Aalto University

ELENA TOFFOL

H-index: 11

Sede lavoro: University of Helsinki, Department of Public Health (Finlandia)
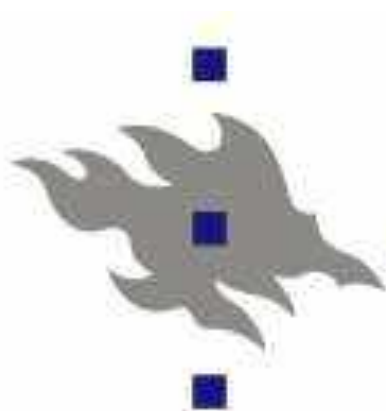
SSD: 06 - Scienze mediche

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).

UNIVERSITY OF HELSINKI

FRANCIA

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.

Université de Lille

CARMELA MELANIA CAPPELLANO

Sede lavoro: freelance (Francia)

SSD: 05 - Scienze biologiche

ERC: LS9 Applied life sciences & biotechnology; LS2 Genetics, Genomics, Bioinformatics & Systems Biology; LS6 Immunity & infection

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 CIRELLI

H-index: 32

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.

INNOVITALIA
Il portale della diplomazia scientifica

FRANCESCO DACAPITO

H-index:	30
Sede lavoro:	Consiglio Nazionale delle Ricerche (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics; SH1 Individuals, institutions & markets
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 Officer and advisor of the Council Delegation. Languages Italian (mother tongue), French and English (fluent in speaking, reading and writing).

ESRF - Grenoble

ELISA DELL'AGLIO

Sede lavoro: INSA INRA (Francia)

SSD: 05 - Scienze biologiche

ERC: LS9 Applied life sciences & biotechnology; LS1 Molecular & Structural Biology & Biochemistry

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


INSA Lyon

INNOVITALIA
Il portale della diplomazia scientifica

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.

DE LA RECHERCHE À L'INDUSTRIE

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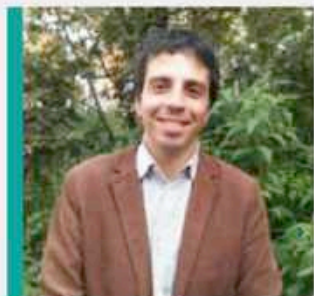
SALVATORE MANGIAFICO

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.

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).
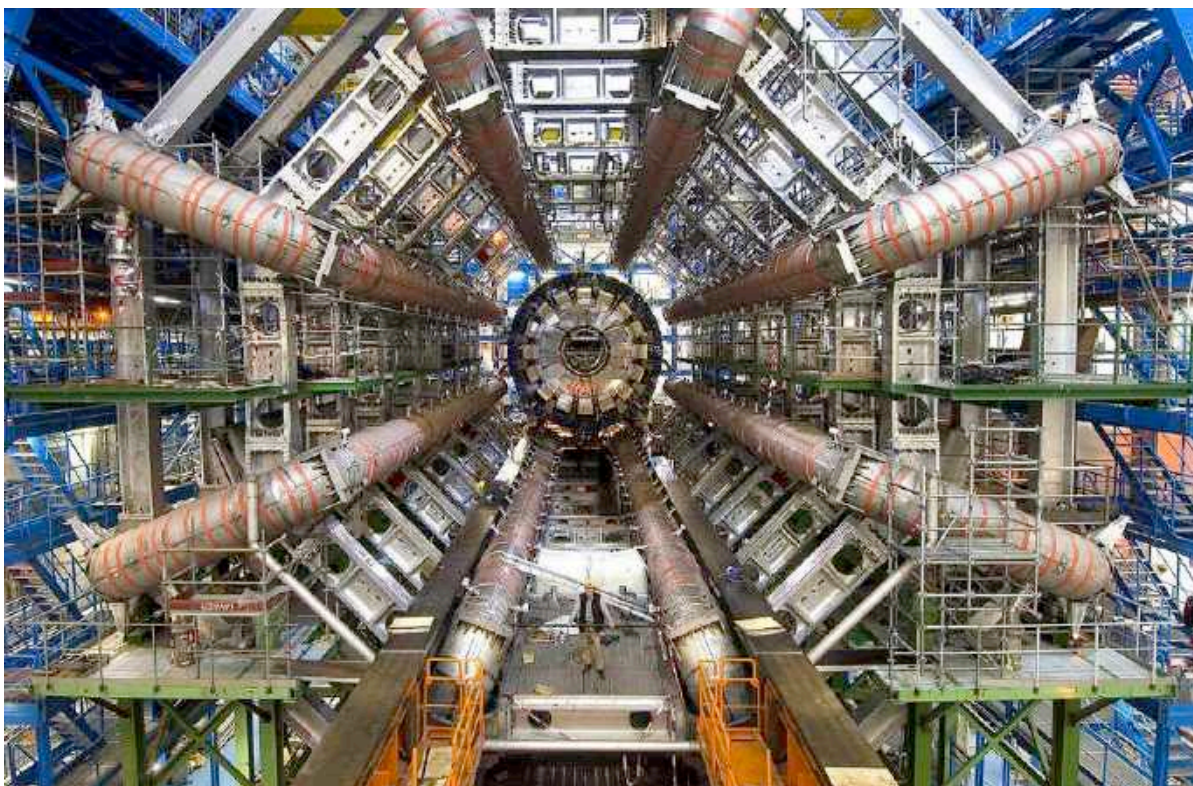
Atlas - CERN

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.

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; PE2 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.

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.

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 CO_2 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.

PAOLO TANGA

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

Born in Saluzzo (Italy) on March 2, 1966 Position: Astronome 2C – Observatoire de la Côte d'Azur, Nice, France. Directeur adjoint Laboratoire Lagrange (from January 1st 2018) Research : 9/2015 –Astronome 2C at the Observatoire de la Côte d'Azur (Nice). 9/2003 – 8/2015 : Astronome Adjoint at the Observatoire de la Côte d'Azur (Nice). 2/2001 - 8/2003: Post-doctoral position at the Observatoire de la Côte d'Azur (Nice). 7/1996 - 1/2001: Engineer, Observatory of Turin, Italy, Planetology research group Awards Chevalier de l'Ordre des Palmes Académiques (2015) Asteroid nomination : 9715 Paolotanga (2014) Poincaré fellowship at Nice Observatory: 2001, 2002 Main Scientific Responsibilities • Gaia project coordinator for Observatoire de la Côte d'Azur/Lagrange • Deputy manager of the Coordination Unit 4 of the Data Processing and Analysis Consortium (DPAC) for the Gaia mission (ESA).

Observatoire de la Côte d'Azur (photo Patrick Rouzet)

GERMANIA

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 f or Theoretical Physics, University of T übingen (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 f or Theory of Statistical Physics, RWTH Aachen (Germany) 09/2006-04/2008 Post-Doc at the Institut N eel - CNRS, Grenoble (France) 02-08/2006 Post-Doc at the Max-Planck-Institute f or Solid State Research, Stuttgart (Germany)

University of Tübingen

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: LS5 Neurosciences & neural disorders; LS3 Cellular and Developmental Biology

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.

Leibniz-Forschungsinstitut für Molekulare Pharmakologie im Forschungsverbund Berlin e.V.

ROBERTO G. M. CACIUFFO

H-index:	41
Sede lavoro:	Joint Research Centre (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics
Keywords:	Actinides

R. Caciuffo is leading the Advanced Nuclear Knowledge 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 a member of science advisory boards of several international organizations, worldwide. He is the co-author of over 300 peer-reviewed publications, and of two books on Physics.

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 photosynthetic 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.

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:	7
Sede lavoro:	German Aerospace Center, DLR (Germania)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering; PE6 Computer science & informatics
Keywords:	aerospace, automation, MDO, system engineering, product development

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 aeroelastic tailoring for 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 the development of novel methodologies for MDO, automation of design processes, model based engineering and architecting of aeronautical systems. He is principal investigator in many aircraft development projects, and responsible for project acquisition, planning and road-mapping activities. He is the Project Coordinator of 19 Organizations within European Horizon 2020 funded research project AGILE. He authored more than 50 technical papers at international conferences, invited at more than 30 keynotes as expert. In 2018 he received the "ICAS Award for Innovation in Aeronautics".

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.

Dresden University of Technology

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

Johannes Gutenberg-Universität Mainz

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-present Editor: Nature Catalysis, Springer Nature, Germany 2012-2016 Group Leader: MPI for Colloids and Interfaces, Germany 2011-2012 Postdoctoral Research: MPI for Colloids and Interfaces, Germany 2006-2012 PhD 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 associate 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.

TRAIN Omics

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 techniques. 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.

Deutsches Museum in Munich (photo Max-k muc)

PAOLO GIUBELLINO

H-index: 90

Sede lavoro: GSI Helmholtzzentrum (Germania)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter

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.

GSI Helmholtzzentrum

GIULIO NAPOLITANO

H-index: 10

Sede lavoro: Fraunhofer IAIS (Germania)

SSD: 01 - Scienze matematiche e informatiche

ERC: PE6 Computer science & informatics

Senior Researcher and Competence Area Leader (QA and Dialogue Systems) at Fraunhofer IAIS, and Question Answering Team Leader at UniBonn Smart Data Analytics. Leading or involved in research projects funded by industry, by national bodies and the EU. Prior to joining Fraunhofer: Senior scientist at Bonn University Clinic and Researcher and Senior IM&T Officer at the Centre for Public Health, Queen's University Belfast. Awarded the 2014 Excellence in Innovation Award and the 2008 Innovation in Oncology Award. Previously gained software engineering experience with Siemens Medical Solutions in Rome. Current research interests: semantic technologies, question answering, natural language processing and analysis and machine learning. More broadly, research interests span from philosophy of science and epistemology to mathematical modelling for medicine, medical informatics, epidemiology. Among other things, studied Philosophy, Physics and Astrophysics, Bioinformatics, Applied Mathematics.

SIMONA OLIVIERI

Sede lavoro: Freie Universität Berlin - Seminar für Semitistik und Arabistik (Germania)

SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-a rtistiche

ERC: SH5 Cultures & cultural production

Keywords: Arabic, Linguistics, Arabic linguistic tradition, Digital Humanities

I am postdoctoral researcher working in the field of Arabic language and linguistics. My research aims at investigating the Arabic linguistic thinking by analyzing early grammatical sources, and my methodology belongs to the field of the digital humanities. I am mostly interested in creating digital resources which include highly-detailed linguistic information, and through these analyze the development of the Classical Arabic linguistic tradition.

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-present Research scientist at Helmholtz-Zentrum Potsdam, Deutsches GFZ, Germany 2004-2011 Postdoc at INGV, Italy 2001-2004 Ph.D. in Geophysics 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.

ROSARIO MICHAEL PIRO

Sede lavoro: Freie Universität Berlin, Germany (Germania)

SSD: 01 - Scienze matematiche e informatiche; 05 - Scienze biologiche

ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology

Keywords: bioinformatica, biologia computazionale, oncologia, malattie ereditarie

Current position (since 2015): Assistant professor (Juniorprofessor) in Medical Bioinformatics at Freie Universität Berlin, Germany Postdoc in Bioinformatics at the German Cancer Research Center (Deutsches Krebsforschungszentrum, DKFZ) from 2011 to 2015

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 the USA. Currently, 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: LS9 Applied life sciences & biotechnology; LS8 Evolutionary, population & environmental biology; LS2 Genetics, Genomics, Bioinformatics & System, Biology

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).

GIANLUCA RASTELLI

Sede lavoro: University of Constance (Germania)

SSD: 02 - Scienze fisiche

ERC: PE3 Condensed matter physics

Keywords: Fisica Teorica della Materia

I am group leader at the Physics Department of the University of Konstanz (Germany) with a position funded by the Excellence Initiative of the German Federal Government and States, as member of the Zukunftskolleg, an interdisciplinary center promoting independence for young academics. My research area is the theory of condensed matter. Since 2007 my main activities concern the theoretical study of mesoscopic systems.

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 presentations, 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".

NICOLA TAMANINI

Sede lavoro: Max Planck Institute for Gravitational Physics (Germania)

SSD: 01 - Scienze matematiche e informatiche; 02 - Scienze fisiche

ERC: PE9 Universe sciences; PE1 Mathematical foundations

Since 01/10/2017 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)

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
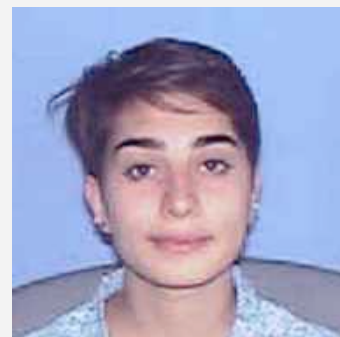
I am a PhD student in experimental particle Physics. I am part of the CMS experiment at CERN, analyzing data in a search for new Physics and testing new pixel sensor for the future upgrade of the CMS detector.

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.

CLAUDIO CAPIGLIA

Sede lavoro: Recruit R&D Co., Ltd (Giappone)

SSD: 02 - Scienze fisiche; 03 - Scienze chimiche; 09 - Ingegneria industriale e dell'informazione

ERC: PE5 Materials & Synthesis

Keywords: Lithium ion batteries, Electrodes, Anode, Cathode, Electrolytes

He is the Head of Battery Technology Program at Recruit R&D Co., Ltd and Visiting Professor at Nagoya Institute of Technology (Nagoya, Japan) With over 20 years experience in the battery industry in Japan, he has an exclusive know-how of the research, development and industrialization of advanced materials and electrodes for Li-ion battery manufacturing. - Previous Professor and head of Battery Group/ Italian Institute Technology - Cofounder and Director of the original Li-ion cell manufacturers in Europe - Former Senior Scientist for solid state battery technologies for Hybrid Electric Vehicles (HEVs) at Toyota.

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 become 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

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.

Waseda University

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'informazion e

ERC: PE6 Computer science & informatics

Keywords: robotica

Fabio Dalla Libera 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 / 2011 MD, Medical School, University of Udine, Italy Final grade: 110/110

Juntendo University (photo 星出 拓海 -)

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

Enrico di Maria From April 2018 joined the Doctoral course in robotics at Kyushu Institute of Technology, Japan. My major regards the development of mobile robots for agriculture and currently I'm focusing on the mechanical design of the locomotion system for a mobile robot for applications in the vineyard. Here a brief description of my education and working experiences. After high school I joined the Bachelor course in Industrial Engineering at the University of Salento, in Italy, and subsequently the Master course in Mechanical Engineering, at the same University, with a thesis and training carried out in Japan at Kyutech. Here I developed a mobile robot for monitoring the forests. After graduation I worked for Toyota Motor Italy as engineer in the Technical Department from 4/2016 to 10/2017, before coming back to Japan for developing robots. I'm interested in mechanical design, software aided design, robots for agriculture and locomotion systems for off-road vehicles.
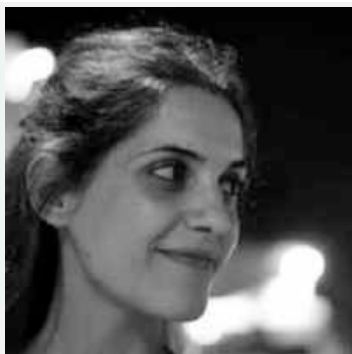
ANGELA FARAGASSO

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 a 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 a Postdoctoral Researcher.

The University of Tokyo (photo Kakidai)

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-today Master'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

ANNA GARANZINI

Sede lavoro: Okinawa Institute of Science and Technology University (Giappone)

SSD: 05 - Scienze biologiche

ERC: LS5 Neurosciences & neural disorders; LS2 Genetics, Genomics, Bioinformatics & Systems Biology; LS1 Molecular & Structural Biology & Biochemistry
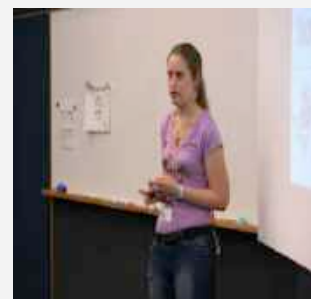
I am currently working as a technician at Prof. T. Takahashi's laboratory within the Cellular and Molecular Synaptic Function Unit of the Okinawa Institute of Science and technology university. My main task is to prepare and maintain cell culture and perform on them different treatments. I frequently 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.
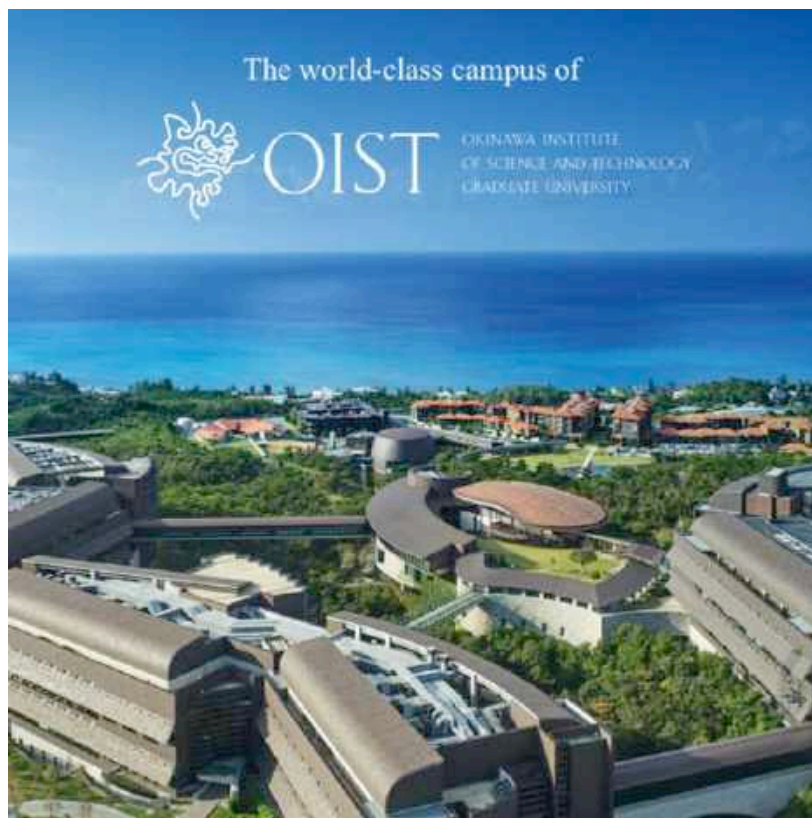
LUIGI GERMINARIO

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 a 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.

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 engineering 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.

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)

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 Theor etical 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.

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, Fe ltrinelli, 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.
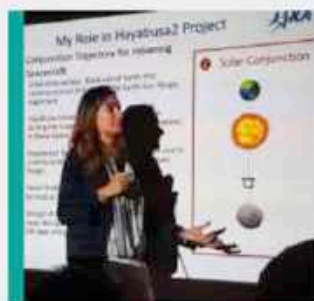
STEFANIA SOLDINI

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/

GRAN BRETAGNA

TOMASO ASTE

H-index:	40
Sede lavoro:	University College London (Gran Bretagna)
SSD:	02 - Scienze fisiche
ERC:	PE6 Computer science & informatics; PE3 Condensed matter physics
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 Tank. He collaborates with the Financial Conduct Authority, The Bank of England and HMRC.

University College London

MARTA BARBON

Sede lavoro: Imperial College London (Gran Bretagna)

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 epigen etic 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 (Gran Bretagna)

SSD: 01 - Scienze matematiche e informatiche; 02 –Scienze fisiche; 13 - Scienze economiche e statistiche

ERC: PE6 Computer science & informatics; SH1 Individuals, institutions & markets

2018-now Lecturer in the Department of Computer Science, University College London

MARCELLO BERTOTTI

H-index:	8
Sede lavoro:	Instiue for Health and Human Development (Gran Bretagna)
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.

DAVIDE BRUNO

H-index: 14

Sede lavoro: Liverpool John Moores University (Gran Bretagna)

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.

Liverpool John Moores University

CLAUDIA CAPANCIONI

Sede lavoro: Bishop Grosseteste University (Gran Bretagna)

SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche

ERC: SH6 The study of the human past; SH5 Cultures & cultural production

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.

BARBARA CIANI

H-index:	15
Sede lavoro:	University of Sheffield (Gran Bretagna)
SSD:	03 - Scienze chimiche; 05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry; LS3 Cellular and
Keywords:	Developmental Biology; LS9 Applied life sciences & biotechnology 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.

University of Sheffield

CLAUDIA CONTINI

Sede lavoro: Imperial College London (Gran Bretagna)

SSD: 03 - Scienze chimiche

ERC: PE3 Condensed matter physics

Keywords: synthetic biology, nanotechnology, nano and microsystems, drug delivery

I currently work as a research associate in the Department of Chemistry at Imperial College London where I joined a large collaborative European project funded by the European Union's Horizon 2020 research and innovation programme (Smart nanotox, grant No. 686098). My work is focused on studying and characterising the interaction between nanomaterials and model biological systems in order to investigate any potential nano-toxicity. The fundamental basis of my scientific career lies in my multi-disciplinary training as a Master of Research Student in Pharmaceutical Chemistry and Technologies at the University of Padua and being a PhD candidate in Physical Chemistry at the University College of London. My academic training has led to solid scientific foundations and resulted in a unique skill-set which bridges across the field of biochemical and physical sciences with particular interest in membrane physics, nanotechnology synthetic biology, drug delivery and bioscience for health.

GIULIO COSSU

Sede lavoro: University of Manchester (Gran Bretagna)

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.

BRUNA DE FALCO

H-index:	5
Sede lavoro:	Abertay University (Gran Bretagna)
SSD:	03 - Scienze chimiche
ERC:	LS9 Applied life sciences & biotechnology; PE4 Physical & Analytical
Keywords:	Chemical sciences, Food chemistry, Metabolomics, Phytochemistry

2019-further: Postdoc in Metabolomics and Fluxomics at Nottingham University (UK) 2017 – 2019:

Postdoc in Chemistry at St. Andrews University and Abertay University (UK) 2018: Collaborative research with G's Fresh Ltd. Company and with Dawnfre sh 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".

INNOVITALIA
Il portale della diplomazia scientifica

ELISEO FERRANTE

H-index:	17
Sede lavoro:	University of Birmingham (Gran Bretagna)
SSD:	01 - Scienze matematiche e informatiche; 02 - Scienze fisiche; 05 – Scienze biologiche
ERC:	PE6 Computer science & informatics; PE3 Condensed matter physics; LS8 Evolutionary, population & environmental biology
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 (Gran Bretagna)
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. Duri ng 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.

ANGELO GALLO

H-index: 10

Sede lavoro: University of Warwick (Gran Bretagna)

SSD: 03 - Scienze chimiche

ERC: LS1 Molecular & Structural Biology & Biochemistry; PE4 Physical &

Keywords: Analytical Chemical sciences, 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 (Gran Bretagna)

SSD: 05 - Scienze biologiche

ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology; LS1 Molecular
& Structural Biology & Biochemistry; 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.

MARIA VITTORIA GUARINO

Sede lavoro: British Antarctic Survey (Gran Bretagna)

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.

INNOVITALIA
Il portale della diplomazia scientifica

ALESSANDRO MELIS

Sede lavoro: University of Portsmouth (Gran Bretagna)

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 conser vation. 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.

ANNA PACE

Sede lavoro: PhD student (Gran Bretagna)

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).

UNIVERSITY OF PORTSMOUTH

STEFANO PAGLIARA

H-index:	16
Sede lavoro:	University of Exeter (Gran Bretagna)
SSD:	02 - Scienze fisiche; 05 - Scienze biologiche
ERC:	LS9 Applied life sciences & biotechnology; PE4 Physical & Analytical
Keywords:	Chemical science microfluidics; membrane transport; antibiotic resistance; optical tweezers
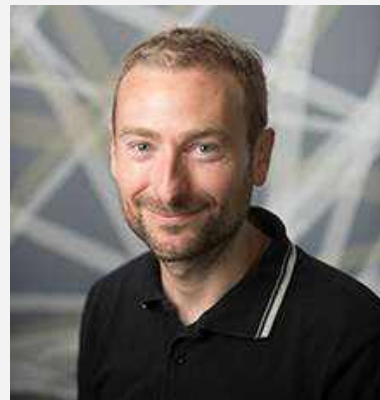
EDUCATION 2007–2010 PhD grade: excellent Nanoscience, University of Salento, Lecce, Italy Supervisor: Prof. Dario Pisignano 2001–2006 Master Physics, grade: 110/110 cum laude Physics Department, University of Salento, Lecce, Italy CURRENT POSITION 2017 – date Senior Lecturer Biosciences, University of 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: 38 h-index: 16. Sum of the times cited: 876 (Web of Science 10/01/2018; author identifier: P-4419-2014)

FABIANO PALLONETTO

Sede lavoro:	University College Dublin (Gran Bretagna)
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.

GIULIA PASTORE

Sede lavoro: Covance Laboratories Ltd. (Gran Bretagna)
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 (Gran Bretagna)
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.

LUCA PERUZZOTTI-JAMETTI

Sede lavoro: University of Cambridge (Gran Bretagna)

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.

LUCA PINTON

Sede lavoro: King's College London and University College London (Gran Bretagna)

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 (Gran Bretagna)
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 (Gran Bretagna)
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
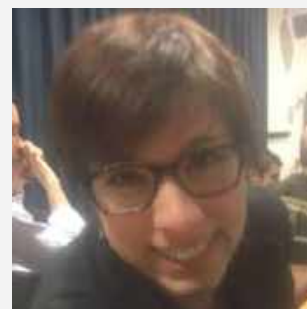
2 Gateway Drive 608533 Singapore +44 • Committed and self-motivated immunologist with over 10 years' experience in adoptive immunotherapy and cell and gene therapy, with a broad-based background in onco-haematology. • Solid knowledge of lentiviral and gammaretroviral vector design and CAR-T therapies 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.

LUIGI PRADA

Sede lavoro: University of Oxford (Gran Bretagna)

SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche

ERC: SH6 The study of the human past

Keywords: Egyptology, Papyrology, Ancient History, Archaeology

2018/2021 British Academy Research Fellow The Oriental Institute, University of Oxford 09.2017 - 05.2018 - Visiting Associate Professor in Egyptology Department of Cross - cultural and Regional Studies, University of Copenhagen - Research Associate, The Oriental Institute, University of Oxford 09.2013 – 08.2017 Lady Wallis Budge Junior Research Fellow in Egyptology University College (in association with The Oriental Institute), University of Oxford 07.2014 – 09.2016 Theodor Heuss Research Fellow (annual visiting fellowship during the summer months, July – September inclusive) Alexander von Humboldt Foundation and University of Oxford. Guest institution: Ruprecht - Karls - Universität Heidelberg, Ägyptologisches Institut 10.2014 – 09.2015 Dep artmental and College Lecturer in Egyptology and Coptic The Oriental Institute and University College, University of Oxford

FILIPPO PRISCHI

H-index: 13

Sede lavoro: University of Essex (Gran Bretagna)

SSD: 05 - Scienze biologiche

ERC: LS1 Molecular & Structural Biology & Biochemistry

Keywords: Biochemistry, Structural Biology, Protein Chemistry, Biophysics, Enzymology, Cancer, Kinase, 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 Bi ochemistry (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. After a successful postdoc I accepted a lectureship (2015) at the University of Essex. 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.

INNOVITALIA
Il portale della diplomazia scientifica

LUCIA RUBINELLI

Sede lavoro: London School of Economics (Gran Bretagna)

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.

IRENE STEFANINI

H-index: 10

Sede lavoro: University of Warwick (Gran Bretagna)

SSD: 05 - Scienze biologiche

ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology

Keywords: genetics, genomics, pharmacology, Saccharomyces cerevisiae

In 2006 I obtained my BD in Biotechnology (University of Florence-UoF) with a thesis on the typing of Pseudomonas spp. isolated from textile wastewater. I continued my studies at the UoF and in 2008 I obtained the MD in Environmental and Industrial Biotechnology with a thesis on the use of Saccharomyces cerevisiae for the characterization of novel antifungal drugs. I continued these researches and in 2012 I got my PhD in Pharmacology and Toxicology. I then focused on the environmental distribution and evolution of S. cerevisiae, producing highly cited publications on the identification of wasp intestines as niches for this yeast. While working as a post doc at the Fondazione Mach (Trento), I investigated the composition and dynamics of fungal populations in wine fermentations. I recently got my first independent position at the University of Warwick, where I run my own group aimed at the identification of genotype-phenotype associations using the S. cerevisiae as a model.

NICOLA TARTONI

Sede lavoro: Diamond Light Source (Gran Bretagna)

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 sc attering, 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: TBC (Gran Bretagna)

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 0790 8381508 @iulikravitz Social Research Association (SRA) British Sociological Association (UK) EMPLOYMENT 2017-2018: University Teacher in Digital Media and Society, Dep. of Sociological Studies, University of Sheffield; 2017: Research Associate, Information School, University of Sheffield; 2015-2016: Lecturer in Digital Society, Dep. of Sociological Studies, University of Sheffield; 2014-2015: Researcher, Glasgow University Media Group, University of Glasgow; 2009-2014: Graduate Teaching Assistant, Dep. of Sociology, University of Glasgow. EDUCATION 2013: PhD in Media Studies (Sociol ogy), Glasgow University Media Group. 2005: BA (Hon) in Political Sciences, International Pathway, University of Florence.

GIUSEPPE ZURLO

Sede lavoro: IRLANDA -- National University of Ireland, Galway - School of Mathematics, Statistics and Applied Mathematics (Gran Bretagna)

SSD: 08 - Ingegneria civile e Architettura

ERC: PE3 Condensed matter physics; PE1 Mathematical foundations

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 f ormazione 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

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 Technio n, 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.

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 natu ral 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: Technion (Israele)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter

Keywords: Teaching, Outreach

Sono un ricercatore in fisica, specializzato nella costruzione di rivelatori di particelle. Ho trascorso gli ultimi sei anni in Israele conseguendo 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. Nel futuro vorrei dedicarmi a tempo pieno all'insegnamento.

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.

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.
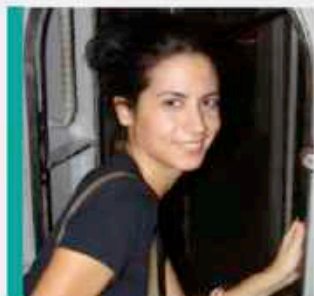
FRANCESCA STRAPPINI

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.

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: PE10 Earth system science; PE9 Universe sciences; PE6 Computer science & informatics

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.

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 monograph '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.

University of Technology, Science and technology center, Kaunas, Lithuania (photo Vilensija)

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.

Vilniaus universitetas (photo Ervinas.spudys - Mano darbas)

MESSICO

PAOLO AMORE

H-index:	18
Sede lavoro:	Universidad de Colima (Messico)
SSD:	02 - Scienze fisiche
ERC:	PE3 Condensed matter physics; PE2 Fundamental constituents of matter
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.

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)
04 - Scienze della terra

SSD: PE10 Earth system science; PE5 Materials & Synthesis

ERC: geomateriali, disica e meccanica del suolo, meccanica delle rocce,

Keywords: stabilita'dei pendi, software per modellistica

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. Between 1997 and 2011 worked as Researcher at the 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 m echanics, 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.
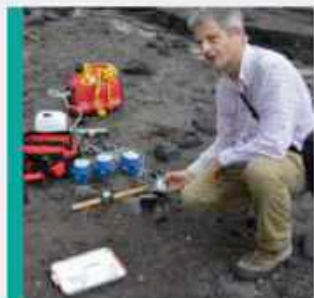
LORENZO BORSELLI

H-index:	19
Sede lavoro:	Universidad Autoinoma de San Luis Potosi (UASLP) (Messico)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science; PE6 Computer science & informatics
Keywords:	soil mechanics, rock mechanics, slope stability models, geological hazard, sofware development

Geologo. Specialista in Engineering Geology. Laurea in geologia 1989 presso l'Università di Firenze Italia. Nel 1998 ha conseguito la Ph.D In Soil Science all'Università di Firenze, ITALIA. Dal 1997 al 2011 ha lavorato come ricercatore presso Consiglio Nazionale Delle Ricerche (CNR). Nel periodo 2009-2011, è stato capo unità di ricerca CNR-IRPI, in Firenze, Italia. Ha collaborato in diversi progetti di ricerca internazionali relativi al processo e alla modellazione dell'erosione e conservazione del suolo, alla conservazione del suolo. Autore di 60 articoli su riviste scientifiche internazionali. I suoi attuali interessi di ricerca sono la engineering geology e lo sviluppo di software applicativo per la ingegneria Dal luglio 2011 lavora come Full Professor di Geotecnica e Engineering Geology presso la Univerdidad Autonoma de San Luis Potosí, San Luis Potosí, SLP - MESSICO . Dal Gennaio 2018 è Visiting Professor di engineering Geology presso la Universita' degli Studi di Firenze.

EMANUELA BORZACCHIELLO

Sede lavoro:	Estancia de investigación académica (Messico)
SSD:	14 - Scienze politiche e sociali
ERC:	SH3 Environment & society

Estancia de investigación académica en el Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades (CEIICH)-UNAM. Desde el 2012 hasta el 2017 llevé a cabo seis proyectos colectivos de investigación. Entre estos: 1. 2017. Estudio para el seguimiento de las recomendaciones generales, informes especiales y pronunciamientos de la CNDH en el tema de mujeres y género. CIEG-UNAM 2. 2016. Miembro del Grupo de investigación de expertas académica s en violencia de género por la solicitud de Alerta de Violencia de Género en el Estado de Guanajuato Instituciones y organizaciones involucradas: Comisión Nacional para Prevenir y Erradicar la Violencia Contra las Mujeres (Conavim), Instituto de la mujer guanajuatense (IMUG), la Universidad de Guanajuato, Las Libres.

INNOVITALIA
Il portale della diplomazia scientifica

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.

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 University, 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).

INNOVITALIA
Il portale della diplomazia scientifica

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 ar ticles 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.

Instituto Mora

Instituto de Investigaciones
Dr. José María Luis Mora

INNOVITALIA
Il portale della diplomazia scientifica

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 Suste ntable 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 Physics 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

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 2007 Maestría 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): Ingreso al SNI con el reconocimiento como Candidato a Investigador Nacional. 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.

INSTITUTO TECNOLÓGICO
JOSÉ MARIO MOLINA
PASQUEL Y HENRÍQUEZ

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: SH6 The study of the human past; LS5 Neurosciences & neural disorders

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

NORVEGIA

ALESSANDRO BUDRONI

H-index: 2

Sede lavoro: Universitetet i Bergen (Norvegia)

SSD: 01 - Scienze matematiche e informatiche

ERC: PE6 Computer science & informatics; PE1 Mathematical foundations

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.

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
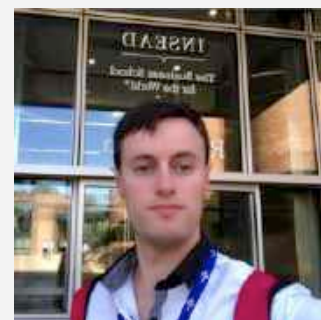
Enrico Catalano, PhD in Biotecnologie mediche, esperto di medicina molecolare, nanotecnologie per le terapie antitumorali e nutrizione. Lavora da anni nel settore della nanomedicina rivolta alle terapie antitumorali. Membro del network di ricerca europeo COST "Cancer nanomedicine". Premiato nel 2016 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.

STEFANO FASCIANI

Sede lavoro:	University of Oslo (Norvegia)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE7 Systems & communication engineering; PE6 Computer science & informatics; SH5 Cultures & cultural production
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: PE1 Mathematical foundations; LS2 Genetics, Genomics, Bioinformatics & Systems Biology; 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 (201 1). 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).

INNOVITALIA
Il portale della diplomazia scientifica

CINZIA PROGIDA

Sede lavoro: Associate Professor (Norvegia)
SSD: 05 - Scienze biologiche
ERC: LS3 Cellular and Developmental Biology

EDUCATION 2008 PhD. 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. 2014-2016 Senior researcher, IBV, University of Oslo, Norway. 2008-2014 Post-doc, IBV, University of Oslo, Norway. 2006 Visiting 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: 10

Sede lavoro: Norwegian Institute for Bioeconomy Research (Norvegia)

SSD: 01 - Scienze matematiche e informatiche

ERC: PE6 Computer science & informatics

He has education in environmental 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).

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: PE6 Computer science & informatics; LS2 Genetics, Genomics, Bioinformatics & Systems Biology

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 2012 PhD: 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- now Associate 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- 2013 Postdoc, Chair of Systems Science and the Energetic Challenge, Ecole Centrale Paris and Supélec, France 2009- 2011 PhD candidate, MOX - Department of Mathematics, Politecnico di Milano, Italy.

PAESI BASSI

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 an 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.

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 Syste ms, Computing and Mathematics at Brunel University.
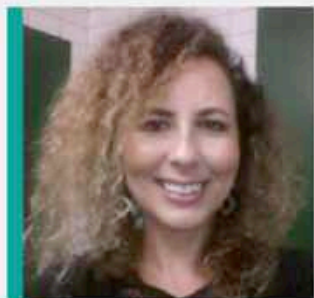
MARIA LAURA FERRANDO

H-index: 5
Sede lavoro: WAGENINGEN UNIVERSITY (Paesi Bassi)
SSD: 05 - Scienze biologiche
ERC: LS6 Immunity & infection; LS2 Genetics, Genomics, Bioinformatics & Systems Biology
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

Wageningen University

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.

STEFANO GRASSO

H-index:	5
Sede lavoro:	UMCG (Paesi Bassi)
SSD:	05 - Scienze biologiche
ERC:	LS2 Genetics, Genomics, Bioinformatics & Systems Biology
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, I published the theoretical aspects of my Bachelor's thesis as a review. For my Master's thesis I worked on Hi-C, a cutting edge technology to understand 3D DNA interaction with broad downstream applications; part of the thesis was carried out at IPK (Gatersleben, DE) contributing to a Nature publication. In parallel, I was also a student of Scuola Superiore di Udine (https://scuolasuperiore.uniud.it/) an institute of excellence for highly talented students. This gave me the possibility to study and publish the first ever reported comparative review about base excision repair (BER) in Archaea. During University, I have been an elected member of the Faculty council and Academic Senate (University Council). Since 2015, I am a Marie Curie fellow within the ITN Protein Factory, and a PhD student at UMCG (Groninen, NL) and DSM (Delft, NL).

UMCG (Paesi Bassi)

RAFFAELLA MORGANTI

H-index: 63

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 was 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

![ASTRON - Netherlands Institute for Radio Astronomy]

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.

TU Delft, QuTech

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.

Charles University

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)

ALFIO TORRISI

H-index: 6

Sede lavoro: Czech Academy of Sciences, Nuclear Physics Institute (Repubblica Ceca)

SSD: 02 - Scienze fisiche

ERC: PE5 Materials & Synthesis; PE4 Physical & Analytical Chemical sciences

Keywords: Optics, Microscopy, Laser-matter interaction, Material Science, Detectors

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.

Czech Academy of Sciences, Nuclear Physics Institute (photo JiriMatejicek)

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 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.

Nanyang Technological University (Singapore)

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.

DukeNUS Medical School (Singapore)

PAOLO ADRAGNA

H-index:	103
Sede lavoro:	Fidessa Pte Ltd (Singapore)
SSD:	01 - Scienze matematiche e informatiche; 02 - Scienze fisiche; 09 - Ingegneria 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: LS9 Applied life sciences & biotechnology; LS6 Immunity & infection

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: Duke-NUS Medical Schoo (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 has 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 refers 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.

INNOVITALIA
Il portale della diplomazia scientifica

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 Nanyang Institute of Structural Biology. (Singapore)
SSD:	05 - Scienze biologiche
ERC:	LS1 Molecular & Structural Biology & Biochemistry
Keywords:	chromatin, telomeres, structural biology, aging, cancer

Daniela Rhodes FRS is a distinguished structural and molecular biologist. She was a senior scientist at the Laboratory of Molecular Biology in Cambridge, England, where she worked, and later studied for her PhD 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• Elected a Fellow of the Royal Society (FRS) in 2007 • Elected member of EMBO as of 1996. • Elected member of Academia Europaea as of 2011. • She is a Fellow of Clare Hall, Cambridge.

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.

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 career started at the University of Parma and he then worked in the 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 Universtitat 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:	59
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 and HP Labs India and earned his PhD through a joint programme between the University of Stirling and MIT Media Lab. Erik is recipient of many awards, e.g., the 2018 AI's 10 to Watch and the 2019 IEEE Outstanding Early Career award, and is often featured in the news, e.g., Forbes. He is Associate Editor of several journals, e.g., NEUCOM, INFFUS, KBS, IEEE CIM and IEEE Intelligent Systems (where he manages the Department of Affective Computing and Sentiment Analysis), and is involved in many international conferences as PC member, program chair, and speaker.

DOMENICO CAMPOLO

Sede lavoro: Nanyang Technological University (NTU) (Singapore)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE7 Systems & communication engineering; PE6 Computer science & informatics

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.
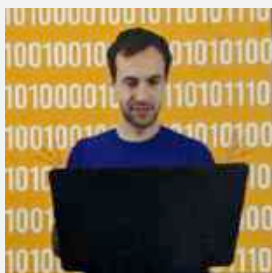
SANDRO CAVALLARI

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: SH4 The Human Mind and its complexity; SH5 Cultures & cultural production; SH3 Environment & society

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 – Current Head, Centre for Modern Languages, NTU April 2010–current Associate Professor (Tenured) in Linguistics, Division of Linguistics and Multilingual Studies, NTU Jul 2007–March 2010 Assistant 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:	SH2 Institutions, values, beliefs and behaviour; SH1 Individuals, institutions & markets; 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.

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

ALBERTO CORRIAS

H-index: 12

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). 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), part of a large pharmaceutical company (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.

GIUSEPPE D'AGOSTINO

H-index:	7
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. I have a broad experimental expertise which I am now complementing with a bioinformatics-based analytical approach by working on RNA-seq, Ribo-seq, single cell/single nucleus RNA-seq. While still retaining a deep commitment to scientific endeavors, I try to get as much transversal knowledge and experience on some of the fields that surround science and its impact on society, such as science dissemination and policy, bioethics, and public engagement.

ROBERTO DILLON

H-index:	8
Sede lavoro:	James Cook University (Singapore)
SSD:	01 - Scienze matematiche e informatiche
ERC:	PE6 Computer science & informatics; SH4 The Human Mind and its complexity
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".

ENRICO GUARNERA

H-index:	12
Sede lavoro:	Bioinformatics 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:	PE8 Products & process engineering; PE5 Materials & Synthesis
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.

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 2007 PhD in Oceanography University of California, USA May 2000 MSc in Biology University 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

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.

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.

National University of Singapore (photo E. Wong)

ENRICO MARSILI

H-index:	21
Sede lavoro:	Singapore Centre for Environmental Life Sciences Engineering (Singapore)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering; PE4 Physical & Analytical Chemical sciences
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.

FABIO MICHELET

Sede lavoro:	CellVec (Singapore)
SSD:	05 - Scienze biologiche; 06 - Scienze mediche
ERC:	LS3 Cellular and Developmental Biology; LS6 Immunity & infection; LS5 Neurosciences & neural disorders
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
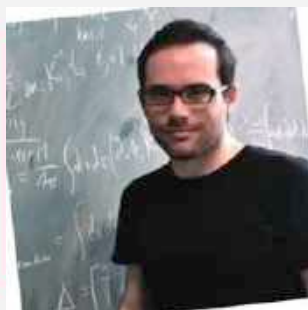
MIRCO MILLETARI'

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.

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ANDREA NANETTI

Sede lavoro: Nanyang Technological University Singapore (Singapore)

SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche

ERC: SH6 The study of the human past; PE6 Computer science & informatics; SH4 The Human Mind and its complexity

Keywords: heritage science

Dr Andrea Nanetti received his education in Historical Sciences in Bologna, Paris-Sorbonne, Koeln, Athens, and Brown, focusing on Medieval and Renaissance Studies, within a wide interdisciplinary approach that combined humanities (history, palaeography, philology, archival and library studies) with physics and computational data science. He pioneered digital humanities projects for archival documents, chronicles, historical maps, and primary sources in general (2007-today, cloud platform for transcultural (re)reading of pre-modern Afro-Eurasian primary historical sources. At NTU Singapore, he serves as Associate Chair of the School of Art, Design and Media, Member of the Complexity Institute, Member of the NLP research cluster. Internationally he also serves as Vice-Director of the Shanghai JTU International Research Centre for Architectural Heritage Conservation, Member of the Scientific Committee of the CRI Paris, and in the Board of Directors of the Maniatakeion Foundation.

GIORGIA PASTORIN

Sede lavoro: National University of Singapore (Singapore)

SSD: 06 - Scienze mediche

ERC: LS9 Applied life sciences & biotechnology

Keywords: Nanomedicine, drug delivery

ANDREA PAVESI

H-index:	14
Sede lavoro:	A-Star (IMCB) (Singapore)
SSD:	06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology; LS7 Diagnostic tools, therapies & public health; LS6 Immunity & infection
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, St art-up magazines and Straits Times).

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SINGAPORE

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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.
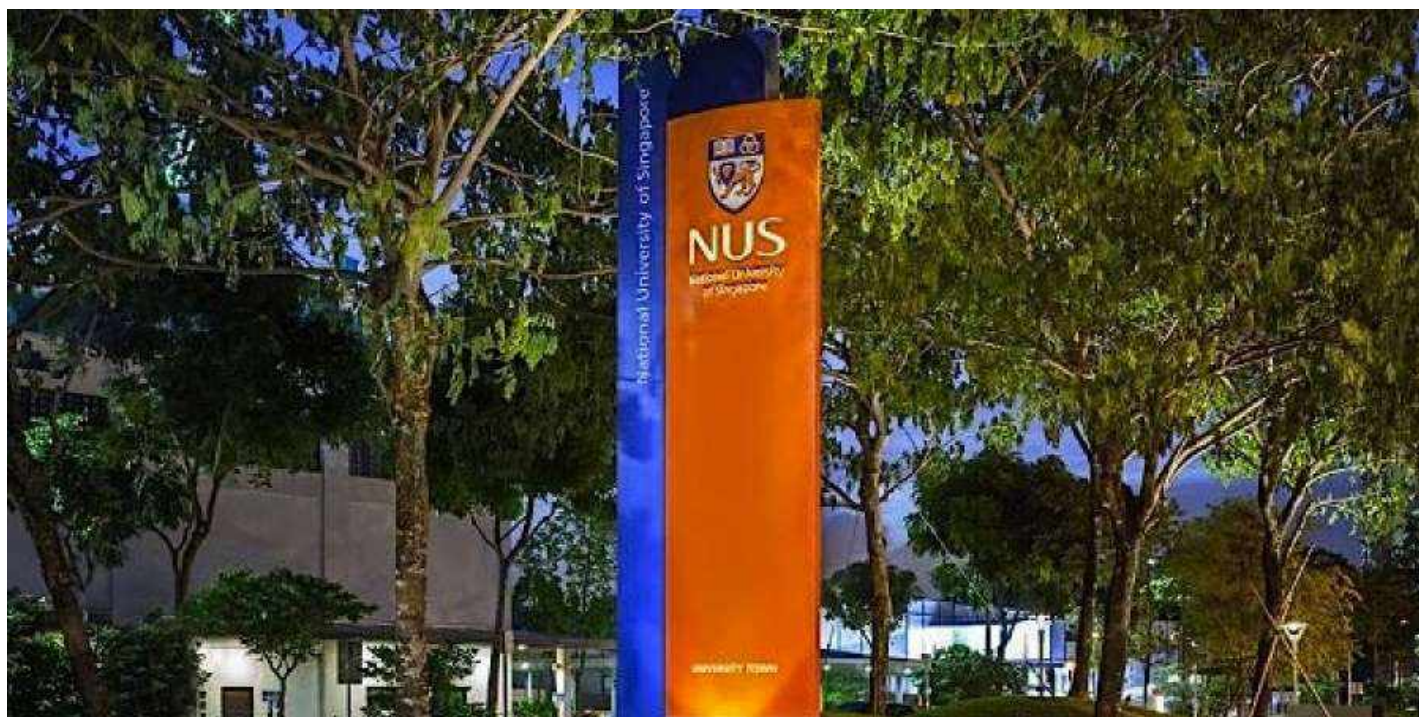
DR FRANCESCO PERONO CACCIAFOCO

H-index: 5

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: SH6 The study of the human past; SH5 Cultures & cultural production

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 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 Coordinator at the Centre for Modern Languages (CML), where he teaches Latin Language. His Research interests are mainly focused on Historical Linguistics and Etymology, on Historical Toponomastics, on the study of Aegean Civilizations, on the documentation and description of languages from South-East Asia, and on 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

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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.

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.

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.

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.

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CESARE SOCI

Sede lavoro: Associate Professor (Singapore)

SSD: 02 - Scienze fisiche

ERC: PE5 Materials & Synthesis; PE4 Physical & Analytical Chemical sciences; PE3 Condensed matter physics

Keywords: nanophotonics, optical materials, optical spectroscopy

Cesare Soci obtained 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: PE10 Earth system science; PE6 Computer science & informatics; PE7

Keywords: Systems & communication engineering, urban water, infrastructure, water distribution systems, water resources, hydrology, machine learning, deep learning, cyber physical systems, cyber physical security

GUGLIELMO VASTOLA

Sede lavoro: A*STAR Scientist III (Singapore)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE8 Products & process engineering; PE3 Condensed matter physics

Keywords: Stampa 3D

Scientist III 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.

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.

NTU (Singapore) School of Computer Science and Engineering

SPAGNA

ORESTE GUALILLO

H-index: 55

Sede lavoro: SERGAS Servizo Galego de Saude (Spagna)

SSD: 05 - Scienze biologiche; 06 - Scienze mediche

ERC: LS4 Physiology, Pathophysiology & Endocrinology; LS6 Immunity & infection; LS1 Molecular & Structural Biology & Biochemistry

Keywords: Cartilage, adipokines, inflammation, pharmacology, natural drugs, arthritis, osteoarthritis, metabolism

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).

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.

INNOVITALIA
Il portale della diplomazia scientifica

ANDREA ALU

H-index: 83

Sede lavoro: Advanced Science Research Center, City University of New York USA

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).
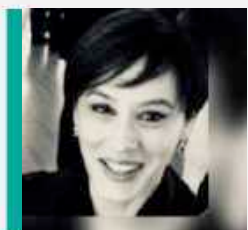
PAOLA AMERO

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)

School of Public Affair, San Diego State University, San Diego

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

Rocky Mountain Laboratories

MARIA ELENA BOTTAZZI

H-index:	32
Sede lavoro:	Baylor College of Medicine in Houston (Stati Uniti d'America)
SSD:	05 - Scienze biologiche; 06 - Scienze mediche
ERC:	LS9 Applied life sciences & biotechnology; LS7 Diagnostic tools, therapies & public health; LS6 Immunity & infection
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.

Baylor College of Medicine in Houston

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 Parma 1991 Laurea in Fisica Universita' degli Studi di Parma 1996 Dottorato di Ricerca in Fisica National Research Council (Canada) 1996-98 Postdoctoral Fellow in Biophysics Harvard Medical School (USA) 1998-2000 Instructor in Biophysics University of Dundee (United Kingdom) 2000-03 Photophysicist Appointments Associate Professor 2010-present Assistant Professor 2003-2010 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: LS6 Immunity & infection; LS2 Genetics, Genomics, Bioinformatics & Systems Biology

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/

INNOVITALIA
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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.

FILIPPO CONTESI

Sede lavoro: Temple University (Stati Uniti d'America)

SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche

ERC: SH5 Cultures & cultural production; SH4 The Human Mind and its complexity; SH4 The Human Mind and its complexity

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.

ANTONIO D'AMORE

H-index: 18

Sede lavoro: University of Pittsburgh (Stati Uniti d'America)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE8 Products & process engineering; LS9 Applied life sciences & biotechnology; PE5 Materials & Synthesis

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 .

INNOVITALIA
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GIACOMO DE PALMA

H-index: 11

Sede lavoro: Massachusetts Institute of Technology (Stati Uniti d'America)

SSD: 01 - Scienze matematiche e informatiche; 02 - Scienze fisiche

ERC: PE1 Mathematical foundations; PE2 Fundamental constituents of matter

Keywords: informazione quantistica, fisica matematica

I am a postdoc in the Quantum Information Group of the Research Laboratory of Electronics of the Massachusetts Institute of Technology under the supervision of Prof. Seth Lloyd. I have previously been a Marie Curie Individual Fellow at the Department of Mathematical Sciences of the University of Copenhagen. My research areas are quantum information, mathematical physics and machine learning. My main research results are the proofs of the quantum generalizations of the Entropy Power Inequality and the proof of the minimum output entropy conjecture for quantum Gaussian channels, which was a ten-year longstanding open problem in quantum communication theory. I have recently extended my research area to machine learning, with the goals to understand the unreasonably good performances of deep neural networks and to explore the advantages that quantum computers can provide in machine learning tasks. My background also includes string theory and non-perturbative quantum field theory.

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: SH5 Cultures & cultural production; SH2 Institutions, values, beliefs and behaviour

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.

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.
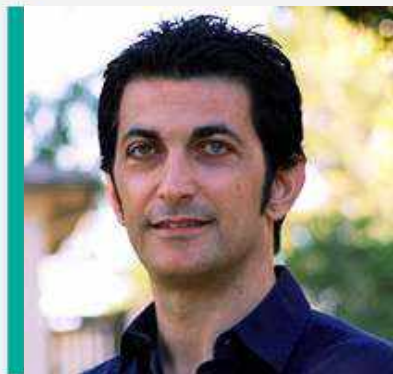
ANTONIO FILARETO

H-index: 11

Sede lavoro: 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.

ANTONIO GENOVA

H-index:	5
Sede lavoro:	Massachusetts Institute of Technology (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE9 Universe sciences; PE7 Systems & communication engineering
Keywords:	Geodesia Spaziale, Sistemi di Telecomunicazione e Altimetria, Determinazione Orbitale, Geofisica, Struttura interna di pianeti e satelliti, Effemeridi planetarie, Test di teoria di gravità
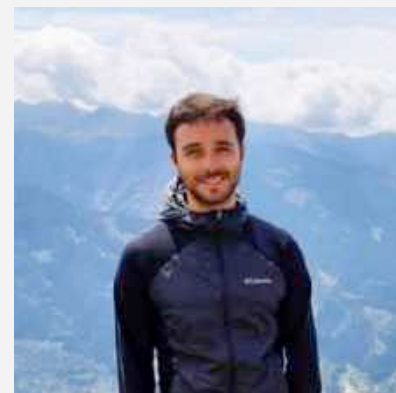
Research experience in planetary sciences at MIT and NASA Goddard Space Flight Center. Involved in several radio science and altimetry experiments, such as MESSENGER and BepiColombo to explore Mercury, Cassini to investigate the Saturn system, Mars Global Surveyor, 2001 Mars Odyssey, and Mars Reconnaissance 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.
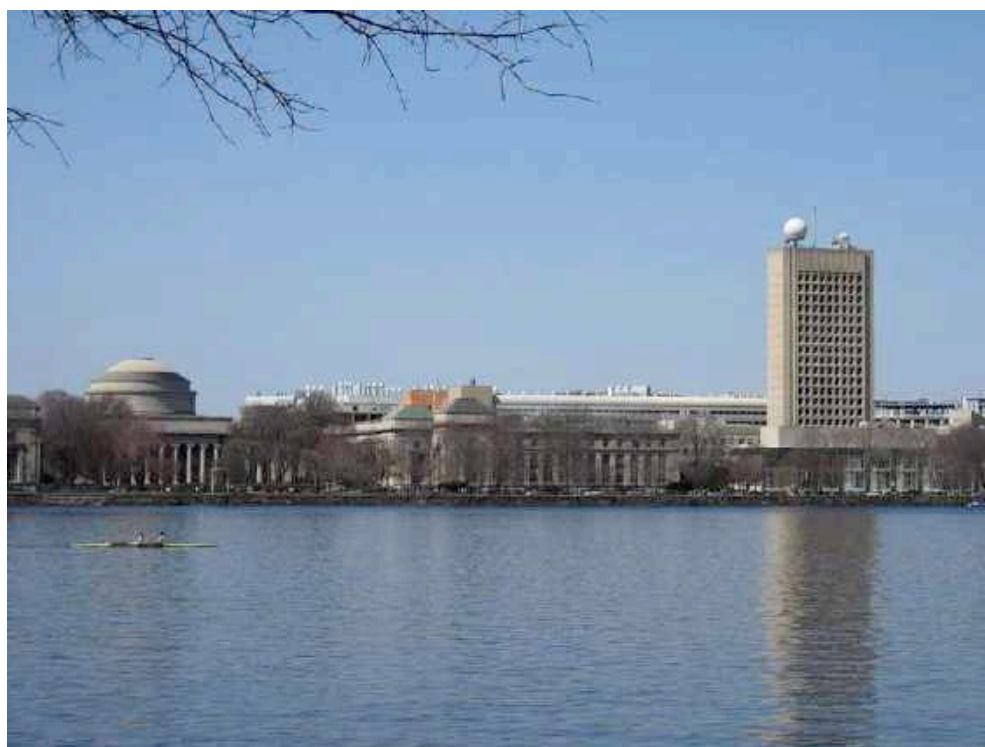
Massachusetts Institute of Technology

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

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.

National Laboratory for Cancer Research

GIACOMO LANZONI

H-index: 22

Sede lavoro: Diabetes Research Institute, Department of Biochemistry and Molecular Biology - University of Miami - Research Assistant Professor (Stati Uniti d'America)

SSD: 05 - Scienze biologiche; 06 - Scienze mediche

ERC: LS7 Diagnostic tools, therapies & public health; LS9 Applied life sciences & biotechnology; LS3 Cellular and Developmental Biology

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 Research Institute Foundation.
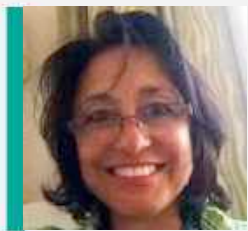
FRANCESCA MACCHIARINI

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 education. 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

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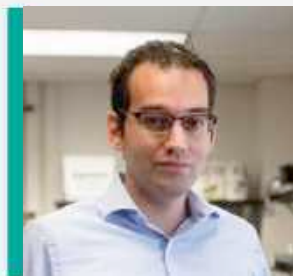
FILIPPO MANGOLINI

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.

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)

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.

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:	
ERC:	06 - Scienze mediche
Keywords:	LS9 Applied life sciences & biotechnology Immunotherapy, gene-therapy
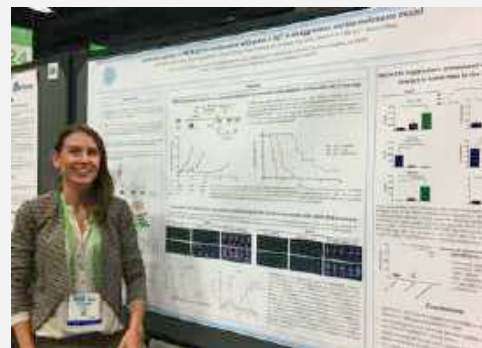
From 2007 to 2013 I had been working in Dr. Maio's lab in Siena.We demonstrated that tumor tissues express epigenetically-regulated cancer testis antigens. Then, I focused my research on measuring the prognostic value of DNA methylation profiles in stage III melanoma patients. Since September 2013 I 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.
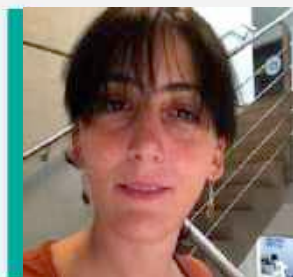
ELISABETTA PIANORI

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 - Università 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 an 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

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.

SALVATORE SAIEVA

Sede lavoro: University of Texas Medical Branch (Stati Uniti d'America)

SSD: 05 - Scienze biologiche; 06 - Scienze mediche

ERC: LS5 Neurosciences & neural disorders; LS4 Physiology, Pathophysiology & Endocrinology; LS1 Molecular & Structural Biology & Biochemistry

Keywords: Insulin, insulin resistance, Alzheimer's, brain, insulin signaling, high-fat diet, near-infrared light
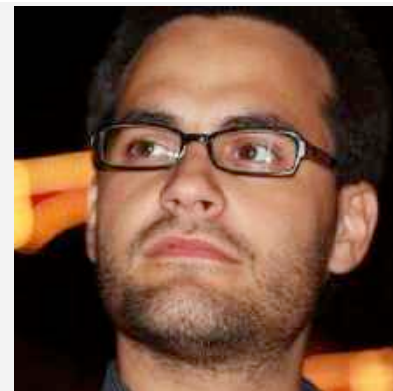
I am a Graduate Student (Neuroscience Graduate Program) at UTMB. Galveston, TX. I am enrolled in a dual international PhD program between University of Palermo and UTMB, a competitive program that allows students to achieve two PhDs, one European and one US. My research interest is on the pathological 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 periphery 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.
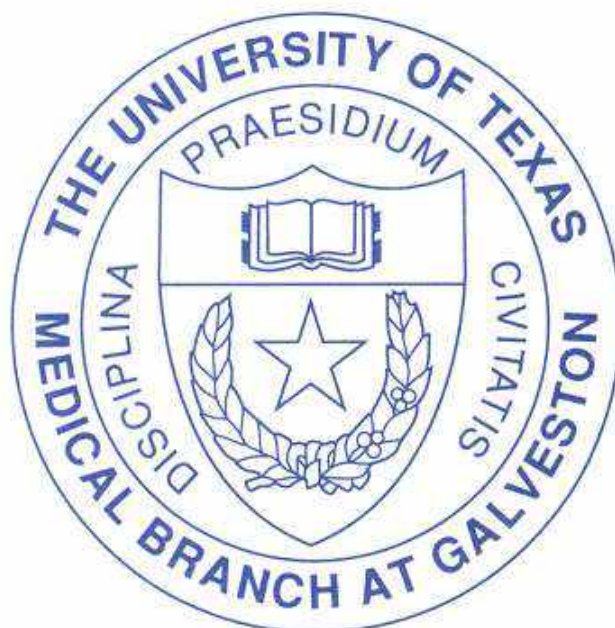
CAROLA SALVI

Sede lavoro: University of Texas Austin (Stati Uniti d'America)

SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche

ERC: LS5 Neurosciences & neural disorders; 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.
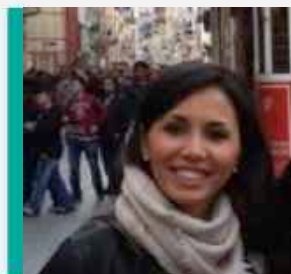
ANNA SANNINO

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.

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: LS4 Physiology, Pathophysiology & Endocrinology; LS1 Molecular & Structural Biology & Biochemistry

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).

UT Southwestern Medical Center

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.

ROBERTO WEIGERT

H-index: 33

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

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.

INNOVITALIA
Il portale della diplomazia scientifica

SUDAFRICA

MANUELA CAMPA

Sede lavoro: Stellenbosch University (Sudafrica)

SSD: 05 - Scienze biologiche; 07 - Scienze agrarie e veterinarie

ERC: LS9 Applied life sciences & biotechnology; LS2 Genetics, Genomics, Bioinformatics & System Biology

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)

Stellenbosch University

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)

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.

PIER PAOLO FRASSINELLI

Sede lavoro: University of Johannesburg (Sudafrica)

SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche

ERC: SH5 Cultures & cultural production

Pier Paolo Frassinelli (PhD, Southampton; Laurea, Pisa) is Associate Professor and PhD coordinator in the Department of Communication Studies at the University of Johannesburg, South Africa.
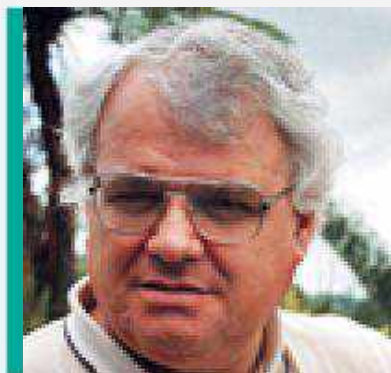
FRANCO FRESCURA

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 in 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).
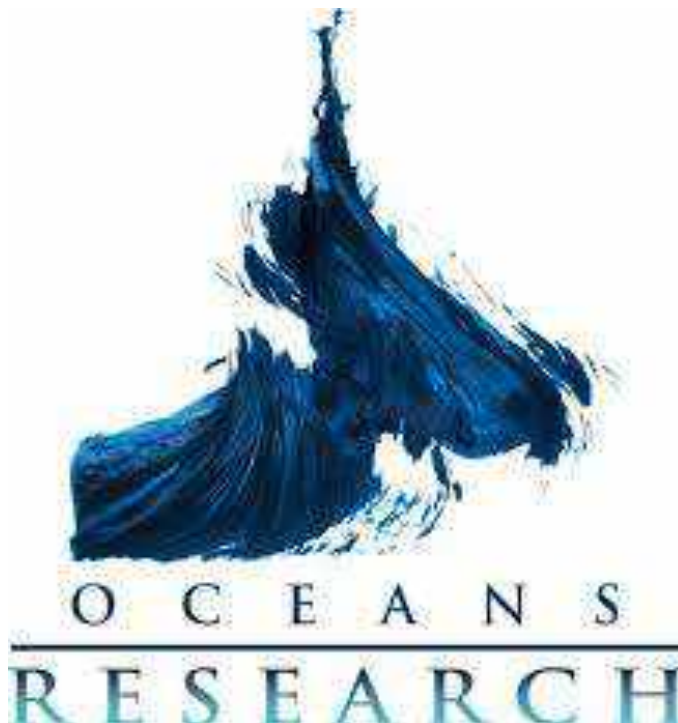
LILIANA MAMMINO

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 more than 150 works. Active participations in international conferences. Participation in international projects and collaborations. Associate 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:	School of Animal, Plant and Environmental Sciences all'Università del Witwatersrand (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:	5
Sede lavoro:	University of the Witwatersrand (Sudafrica)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE8 Products & process engineering; PE5 Materials & Synthesis
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 Optimizatio

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 deeply involved in the activities of the DST-NRF Centre of Excellence in Strong Materials, and she is currently 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
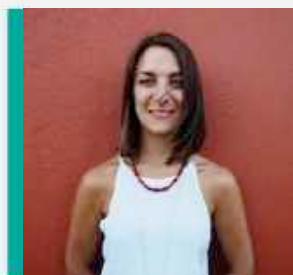
I am a Marine Ecologist specialized in trophic ecology of coastal intertidal and subtidal areas. My research mainly focuses on understanding the effects of climate change, environmental factors and human activities on trophic dynamics of these ecosystems, and to evaluate possible solutions to these threats. 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 work at the Department of Mathematics and Applied Mathematics, University of Cape Town as Senior Lecturer and am member of the ``Laboratory for Discrete Mathematics and Theoretical Computer Science'' and of the group of research ``Topology and Algebra''' . My current research deals with Combinatorics, Algebra, Geometry and Dynamical Systems.

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.

University of the Western Cape

SVEZIA

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.

Stockholm University

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.
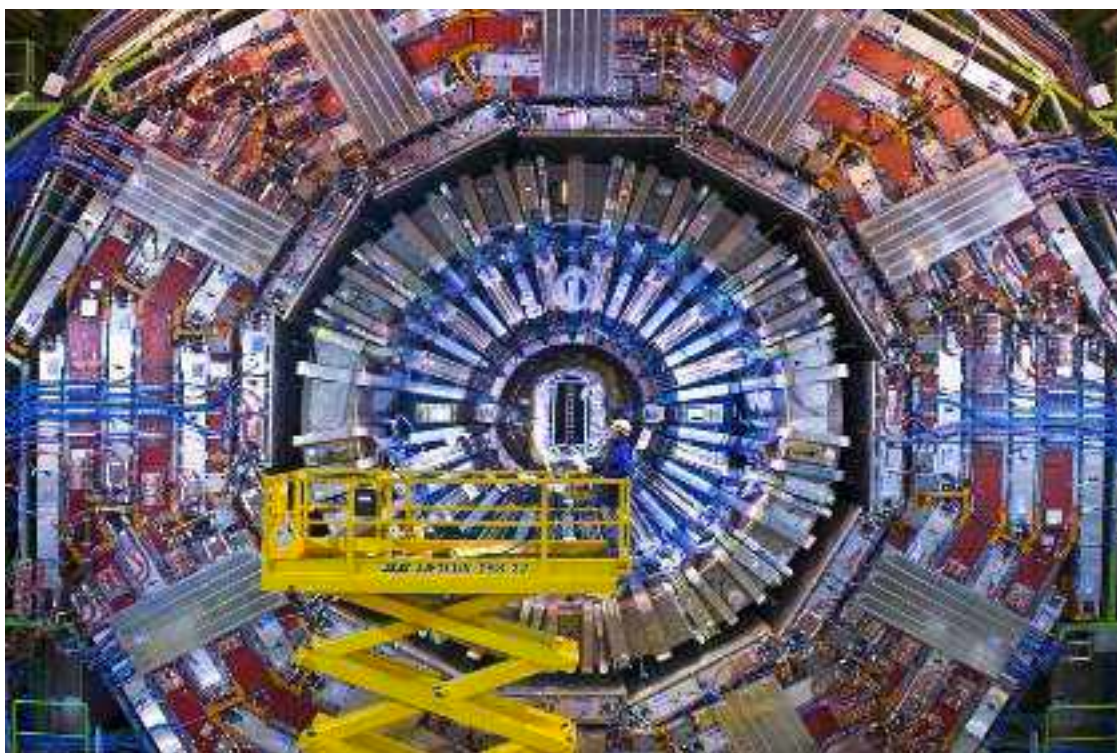
CMS @ CERN

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 undergraduated (3-5th year) clinical neurology, and postgraduated behavioural neurology. Since 2011 I am professor of Neurology 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.

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).

Webster University (Ginevra) (photo Webster Univ.)

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.

CERN

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.

LAURA BERNARDI

H-index: 22

Sede lavoro: UNIL (Svizzera)

SSD: 13 - Scienze economiche e statistiche; 14 - Scienze politiche e sociali

ERC: SH2 Institutions, values, beliefs and behaviour; SH1 Individuals, institutions & markets; 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.

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.

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.

University of Bern

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.

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.
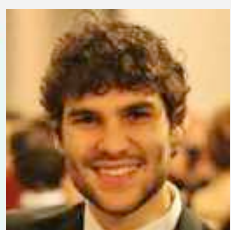
FEDERICO CARRA

H-index: 9

Sede lavoro: CERN (Svizzera)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE8 Products & process engineering; PE5 Materials & Synthesis

Keywords: Meccanica, termodinamica, materiali

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 increasing 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
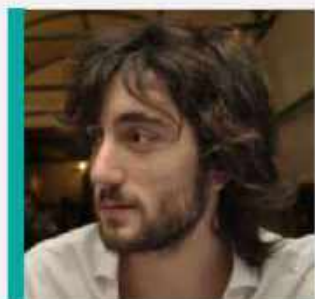
LUCA CHIAPPERINO

H-index: 5

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: Senior FNS Researcher, 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. Currently, my research deals with the biosocial reconfigurations of intergenerational responsibilities and relationships in epigenetics. 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

RICCARDO CURTALE

Sede lavoro: Istituto di Ricerche Economiche - Università della Svizzera italiana (Svizzera)

SSD: 13 - Scienze economiche e statistiche

ERC: SH1 Individuals, institutions & markets; SH4 The Human Mind and its complexity; SH2 Institutions, values, beliefs and behaviour

Keywords: discrete choice modeling, SP experiments, choice heuristics

ACTUAL POSITION PostDoc at Università della Svizzera italiana (USI) and Researcher in the Observatory of Tourism in the Institute of Economic Research (IRE) - Since June 2019 PERSONAL INFORMATION Address: Via Maderno 24, Lugano, 6900, Switzerland Tel: +41 (0)76 685 3888 E-mail: riccardo.curtale@gmail.com Skype: riccardo.curtale Google scholar ID: https://scholar.google.it/citations?user=Y0RfLPgAAAAJ ORCID: https://orcid.org/0000-0001-6979-1582 Up-to-date June 1st, 2019 EDUCATION PhD in Economics (Director Prof.Dr. Rico Maggi) Institute for Economic Research - Università della Svizzera italiana (USI) November 2014 - May 2019 Università di Bologna September 2011 - December 2013 M.Sc. in Statistics for economics and business Final mark 110/110 cum laude Universidad Politecnica de Madrid January 2013 - June 2013 Erasmus exchange Università di Bologna September 2008 - December 2011 BA in Statistical Sciences Final mark 110/110 cum laude.

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: SH6 The study of the human past; SH5 Cultures & cultural production

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 – 2017 Senior Chair Swiss Finance Institute, Switzerland PREVIOUS POSITIONS 2007 – 2012 Assistant Professor Faculty of Economics, Università della Svizzera italiana (University of Lugano), Switzerland 2008 Fall Instructor 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.
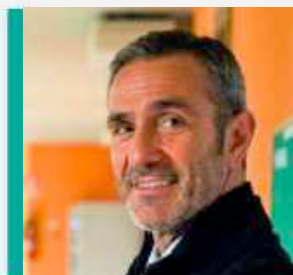
GIOVANNI FRISONI

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.
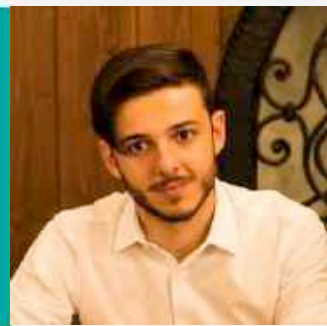
BRUNO GALANTE

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: PE7 Systems & communication engineering; PE6 Computer science & informatics; PE1 Mathematical foundations

Keywords: Circuiti integrati analogici

Progettista 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.

MASSIMO GIOVANNOZZI

H-index: 23

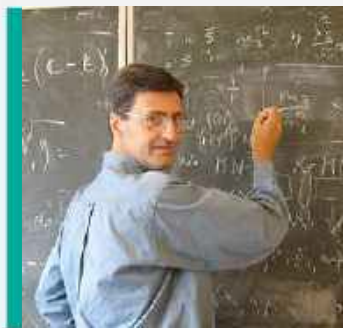**Sede lavoro:** CERN (Svizzera)

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.
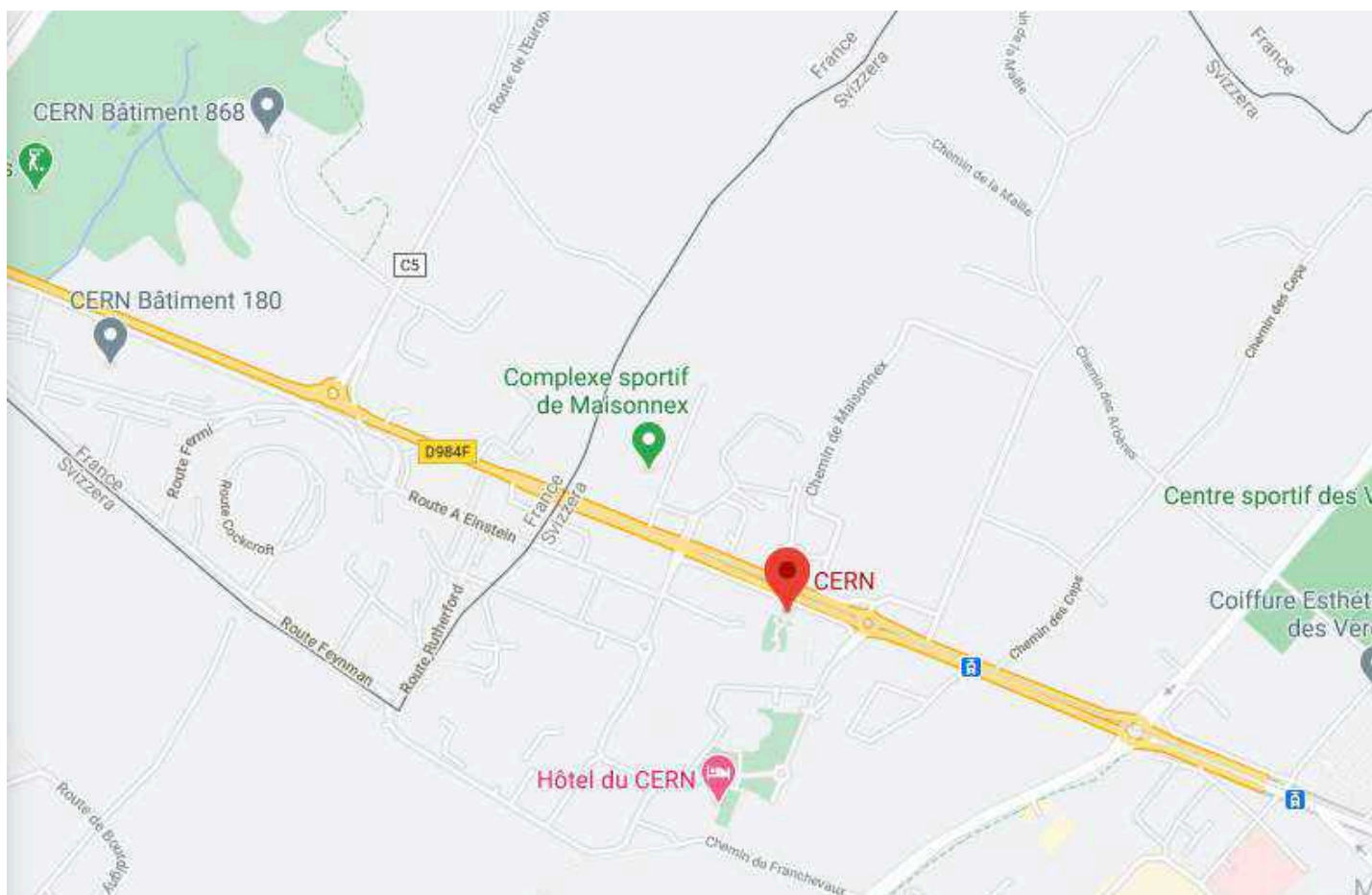
ANDREA INGENITO

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.

École polytechnique fédérale de Lausanne (photo EPFL)

GINO ISIDORI

H-index: 77

Sede lavoro: University of Zurich (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 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.

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 assistente alla ricerca presso il Laboratorio di Storia delle Alpi (LabiSAlp), Accademia di architettura, Università della Svizzera italiana

PAOLO MALFITANO

Sede lavoro: Università della Svizzera italiana (Svizzera)

SSD: 13 - Scienze economiche e statistiche

ERC: SH1 Individuals, institutions & markets

Paolo Malfitano holds a bachelor degree in statistics and computer science from the University of Palermo and a master's degree in statistics and economics from the University of Bologna. Paolo started working as a PhD student at Institute for Economic Research (IRE) in January 2014; he works for Observatory of Economic Policy (O-POL). He provides constant monitoring of the current economic conditions and a scientific evaluation of the Canton of Ticino economic competitiveness.

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.

FABIO MARINO

H-index: 8
Sede lavoro: Ludwig Cancer Research Institute (Svizzera)
SSD: 05 - Scienze biologiche; 06 - Scienze mediche
ERC: LS6 Immunity & infection; LS1 Molecular & Structural Biology & Biochemistry; 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; PE5 Materials & Synthesis; PE4 Physical & Analytical Chemical sciences

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.


(photo EPFL)

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
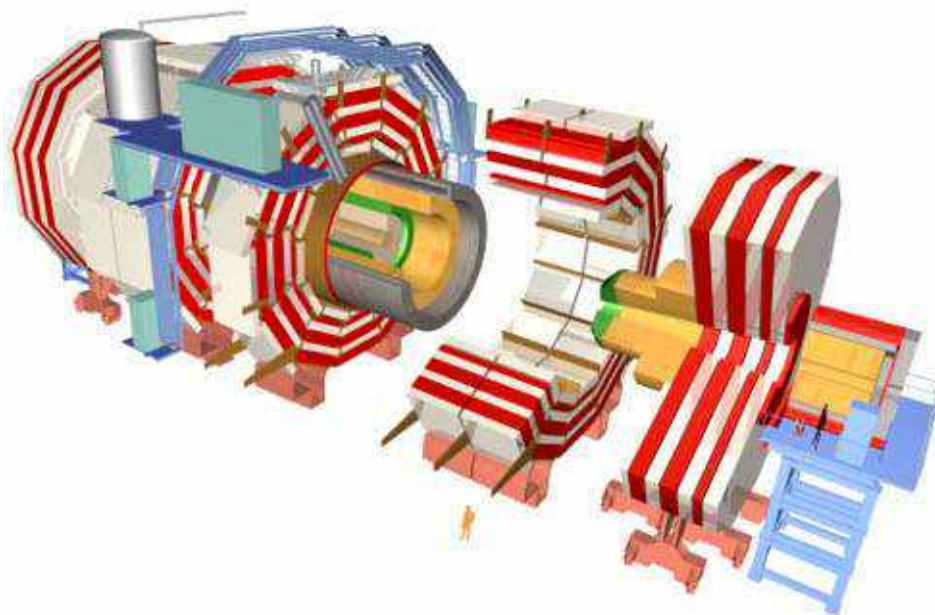
CMS @CERN

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.
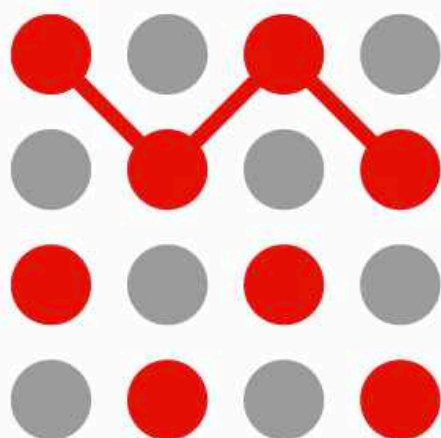
MARCO NARDECCHIA

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:	23
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 associate professor in Mathematics at the Ecole Polytechique Federale de Lausanne, Switzerland, since 2011. Previously he has been assistant professor in numerical analysis at Politecnico di Milano. He graduated in electronic engineering at Politecnico di Milano in 1998; PhD 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. Co-Chair and main organizer of the SIAM UQ16 conference, EPFL. Awarded the second prize at the 12th Leslie Fox Prize in 2005. He is author of more than 60 publications on international journals. He is 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.
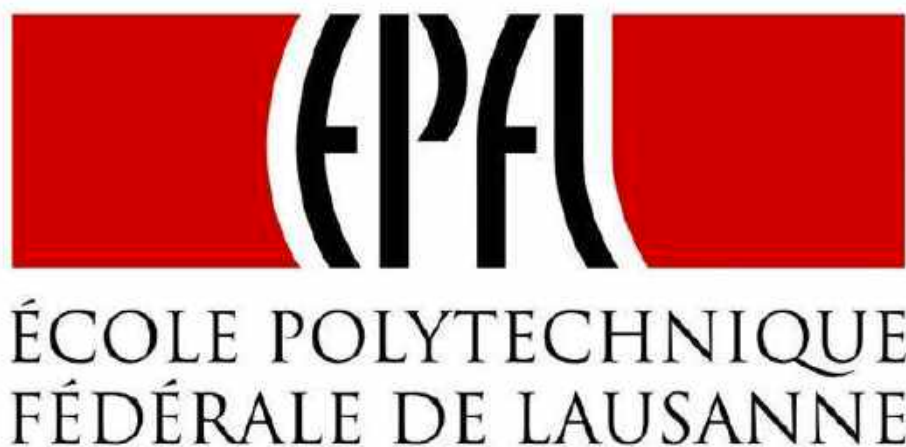
FILIPPO PECORARI

Sede lavoro: Universität Basel (Svizzera)

SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche

ERC: SH4 The Human Mind and its complexity

Keywords: Linguistica generale, linguistica italiana, linguistica del testo, pragmatica

Filippo Pecorari ha conseguito la Laurea Triennale in Lettere Moderne (2008) e la Laurea Specialistica in Linguistica Teorica e Applicata (2011) presso l'Università di Pavia. Ha conseguito il titolo di dottore di ricerca il 15 dicembre 2014, discutendo una tesi sull'incapsulazione anaforica nell'italiano scritto contemporaneo (pubblicata nel 2017). È stato impegnato per tre anni in un progetto di ricerca sulla punteggiatura dell'italiano contemporaneo (febbraio 2015-gennaio 2018) e attualmente collabora a un progetto sulle evoluzioni diacroniche del sistema interpuntivo italiano (febbraio 2018-gennaio 2020); entrambi i progetti sono stati finanziati dal Fondo Nazionale Svizzero e diretti dalla Prof.ssa Angela Ferrari presso l'Università di Basilea. Insegna in qualità di professore a contratto nelle Università di Basilea (Storia della lingua italiana, dal 2016) e di Pavia (Pragmatica e linguistica del testo, dal 2017).
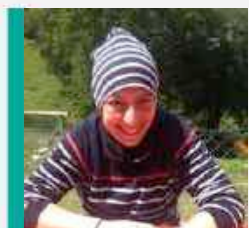
IRENE PELLEGRINI

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.

ANDREA PELLEGRINI

Sede lavoro:	Università della Svizzera italiana (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

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).

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: 3
Sede lavoro: Istituto Svizzero di Diritto Comparato (Svizzera)
SSD: 12 - Scienze giuridiche
ERC: SH2 Institutions, values, beliefs and behaviour
Keywords: Diritto internazionale privato

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.

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, Università di Ginevra e Direttore del Dipartimento di Fisica Teorica della medesima Università

ANDREA ROMEO

Sede lavoro: Novartis (Svizzera)
SSD: 03 - Scienze chimiche
ERC: LS9 Applied life sciences & biotechnology
Keywords: metabolismo, chimica analitica, chimica farmacologica

Curriculum Vitae ANDREA A. ROMEO, PhD Summary • Internship in Translational Clinical Oncology (from November 2016 - present) • Championship in Patient Engagement in Clinical Trials (from October 2016 - present) • 3-year experience in Clinical Research (FIH, Phase I) • 10-year of pre-clinical experience (strong knowledge of LC-MS bioanalysis) • Proven track record of managing people and programs including strategy, planning, designing, executing and reporting experiments for PK/PD, metabolism and toxicology, liaising with external suppliers, working in a complex matrix environment, interfacing with different stakeholders to find agreements and meet deadlines Education 12.2003 PhD in Chemistry, Concordia University, Montreal, Canada

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.

LUIGI SERIO

H-index: 12
Sede lavoro: CERN (Svizzera)
SSD: 09 - Ingegneria industriale e dell'informazione
ERC: PE8 Products & process engineering

Senior staff and group leader in the Engineering department at CERN (Geneva, Switzerland), chairman of CERN's technical infrastructure operation committee, senior project leader. 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 thesis. Working at CERN, the European Organization for Nuclear Research, in Geneva, Switzerland, for more than 23 years at the R&D, design, construction, commissioning and operation of large and complex technical infrastructures for particle accelerators.

FRANCESCO STELLACCI

H-index: 55

Sede lavoro: Ecole Politechnique Fédérale de Lausanne (Svizzera)

SSD: 02 - Scienze fisiche; 03 - Scienze chimiche

ERC: PE5 Materials & Synthesis; PE8 Products & process engineering; PE4 Physical & Analytical Chemical sciences

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.
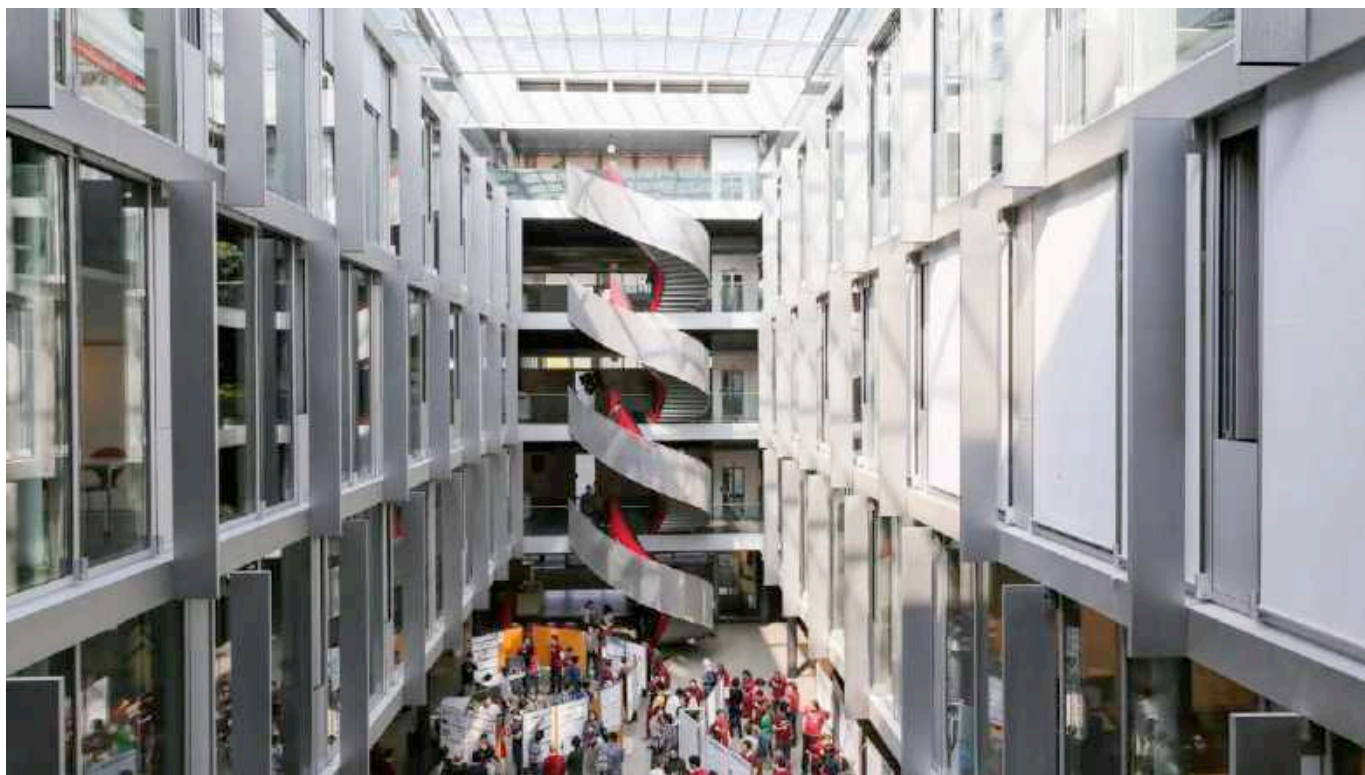
Ecole Politechnique Fédérale de Lausanne

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).
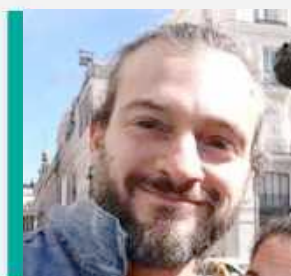
RICCARDO TORRE

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.

Université de Lausanne

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.

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
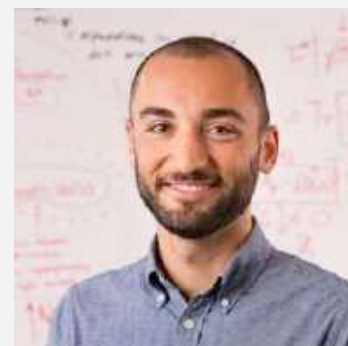
DANIELE ZANZI

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

ITALIA

Ricercatori tornati dall'estero

MARCELLO ALECCI

H-index: 21

Sede lavoro: Università degli Studi dell'Aquila (Italia)

**Sede estero:** Univerity of Oxford (Gran Bretagna)

SSD: 02 - Scienze fisiche

ERC: PE3 Condensed matter physics; LS5 Neurosciences & neural disorders; LS7 Diagnostic tools, therapies & public health

Keywords: FIS/07, NMR, EPR, Spectrocopy, Imaging, RF coil, Neuroimaging

Marcello Alecci (born in Modica, Italy, May 14, 1961) obtained a Laurea in Physics (University Sapienza, Rome, 1986) and a PhD (University of Aberdeen, 1999). He was the holder of two Marie Curie Fellowships (University of Aberdeen) and a post-doc position (University of Oxford). He is Full Professor of Applied Physics at the University of L'Aquila. His scientific activity includes Electron and Nuclear MRI and applications in Biology and Medicine. He has twelve patents and is co-author of over two hundred and eighty scientific publications. He is the co-chair of the ESMRMB teaching workshops on "Advanced RF Coil Design" held at the University of L'Aquila. Prof. Alecci was Prorector for Technology Transfer at the University of L'Aquila (2008-2013). He was the founder and director of the Advanced Master in "Intellectual Property and Technology Transfer", the "Business Plan Competition", and the "Innovation Industrial Fellowships".
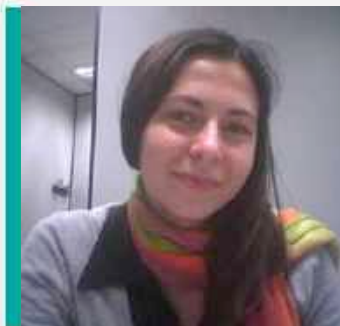
ELEONORA AMMANNITO

Sede lavoro: Agenzia Spaziale Italiana (Italia)

Sede estero: University of California Los Angeles (Stati Uniti d'America)

SSD: 02 - Scienze fisiche

ERC: PE9 Universe sciences

Keywords: Esplorazione spaziale, Sistema Solare, spettroscopia

My research interests focus on the study of surface properties of small bodies in the Solar System using spectroscopic data in the visual and near-infrared range. I co-authored so far more than 120 peer-reviewed papers. Since March 2017 I am a scientific researcher within the Italian Space Agency (ASI) where I focus on the exploration of the Solar System. I follow both scientific and technological aspects of the space exploration as well as its potential commercial use. I am the project scientist of several Italian payloads on board spacecraft and I'm the contact point within the agency for planetary protection. From Feb. 2014 to Feb.2017, I worked as Assistant Researcher within the University of California Los Angeles (UCLA) where I focused on the on the analysis of data acquired by the IR spectrometer VIR on Dawn contributed to this NASA project by ASI. In this period also acted as liaison between the italian team of VIR and the spacecraft team based at NASA/JPL and UCLA.

FABRIZIO ANGIUS

H-index: 10

Sede lavoro: Università degli Studi di Cagliari (Italia)

Sede estero: Columbia University (Stati Uniti d'America)

SSD: 05 - Scienze biologiche; 06 - Scienze mediche

ERC: LS6 Immunity & infection

Keywords: virology, pathology, metabolism, infection, cancer

2016-2017: Senior Post Doctoral Research Scientist at the Dpt of Pediatrics and Infectious Diseases (Columbia University, NY) 2015-2016: Research Fellow, Development of antivirals for emerging pathogens Ebola and Marburg. Creation of a small library of natural molecules and new synthetic compounds with antiviral activity (Cornell University, NY) 2014- 2015: Post Doctoral Fellow (University of Cagliari) 2014-2014: Guest researcher at University of Konstanz (Germany) 2013-2013: Research Fellow, Infections atherosclerotic vascular disease and diabetes mellitus 2012-2013: Research Fellow, Development of new methods of diagnostic screening and functional rehabilitation to preventative medicine (University of Cagliari and RGMD) 2010-2012: Principal Investigator, Cholesterol metabolism and Alzheimer's Disease (RAS) 2006-2007: Laboratory Consultant, Cagliari 2005-2006: Post-graduate internship (University of Cagliari) 2006: Qualification as Biologist

GAETANO ASSANTO

H-index: 62

Sede lavoro: University Roma TRE (Italia)

Sede estero: CREOL-UCF Center for Research in Electro-Optics and Lasers - University of Central Florida (Stati Uniti d'America)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE3 Condensed matter physics

Keywords: Nonlinear Optics, Nonlinear Photonics, Nonlinear Guided-wave optics, Solitons

1981-MS Electronic Engin. @ Univ.Palermo 1987-PhD Electrical Computer Engin., @ Univ.Palermo, Iowa, Arizona Jan.87-Jun 88:Res. Eng. w Ctr Electron.Res. Sicily Jul 1988-Aug.1990:Res.Assoc. @ Optical Sciences Center–Univ.Arizona (USA) Sept.90-Oct.92:Senior Res. Scientist w Ctr Res. Electro Optics Lasers (USA) Nov.92 Assoc.Prof. (Optoelectronics) at Univ.Roma Tre Oct.99 qualified Full Professorship Life Fellow OSA & IEEE, Polish Photon.Soc.,NOMA,SIOF,AEI,INFN,CNISM, ICL,EOS,EPS Boards: OSA, IEEE, Laser Phys.Rev., Trends Appl.Sci.Res., Res.Lett.Opt., Int.J.Optics, J.Nonl.Opt.Phys.Mat., Photon.Lett.Pol., Sci.Rep., J.Opt. 2009-2011 IEEE Distinguished Lecturer, 2010 Zeiss Prof. Univ Friedrich Schiller, 2014 Honorary Prof. Univ Wollongong, Visiting Prof.Univ Nice Sophia Antipolis, INLN-CNRS, UNAM, Techn.Univ.Warsaw, Univ.Vigo, KAUST, ANU, Texas A&M Univ.Qatar Sept.14-Aug.18 Finland Distinguished Prof. (Acad.Finland) @ Tampere Univ.Technology H-factor=62, >490 books-journals
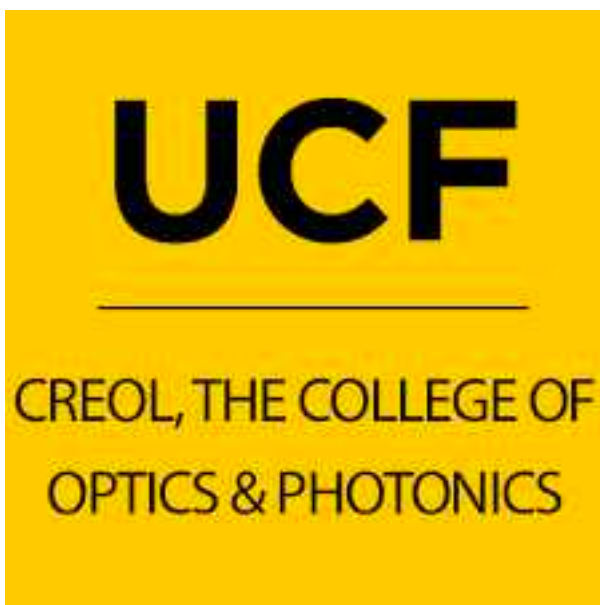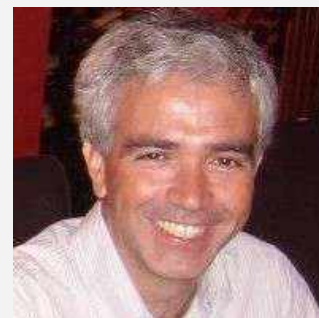
LUCA AVERSANO

Sede lavoro: Università Roma Tre (Italia)

Sede estero: Università di Colonia (Germania)

SSD: 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche

ERC: SH5 Cultures & cultural production; SH6 The study of the human past

Keywords: Musica, Teatro, Danza, Spettacolo

Luca Aversano è dottore di ricerca in Musicologia all'Univ. di Colonia (1996-2000), con una tesi sulla diffusione della musica strumentale austro-tedesca in Italia nel primo Ottocento. Nel 2000-2001 è stato docente a contratto di Storia e critica del testo musicale all'Univ. di Parma; dal 2001 al 2004 assegnista di ricerca al Dip. di Storia delle Arti e dello Spettacolo dell'Univ. di Firenze; dall'ott. 2004 al feb. 2005 docente all'Ist. di Musicologia dell'Univ. di Colonia. Dal 2005 lavora all'Univ. Roma Tre (Dip. di Filosofia, Comunicazione e Spettacolo), dove dal 2019 è professore ordinario. È vincitore del premio "Ladislao Mittner" per la Musicologia nel 2102 e del premio Abbiati (sezione "Massimo Mila") nel 2018. Dal 2011 è membro del consiglio direttivo dell'Associazione fra Docenti Universitari Italiani di Musica, di cui è attualmente segretario. Membro del direttivo di diverse riviste scientifiche, dal 2016 dirige la collana "Musica e Spettacolo" edita da Quodlibet.
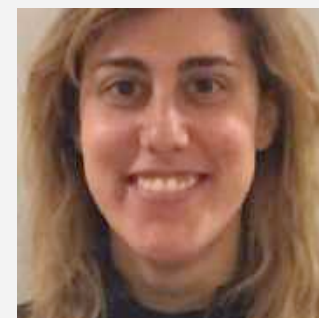
SARA BALDASSANO

Sede lavoro: Palermo (Italia)

Sede estero: Ohio state university (Stati Uniti d'America)

SSD: 05 - Scienze biologiche

ERC: LS4 Physiology, Pathophysiology & Endocrinology; LS9 Applied life sciences & biotechnology; LS5 Neurosciences & neural disorders

Research topics: Endocrinology Gastroenterology Obesity Appetite Regulation Respiration Physiology, Energy Metabolism Diabetes Focusing on: Hormones peptides (GLP-1, GLP-2, GIP) and Diet induced obesity Sports, nutrition and Bone resorption

MARIO EDOARDO BERTAINA

H-index: 31

Sede lavoro: Universita' degli Studi di Torino (Italia)

Sede estero: RIKEN (Giappone)

SSD: 02 - Scienze fisiche

ERC: PE9 Universe sciences

Keywords: raggi cosmici, esperimenti spaziali

Mario Edoardo Bertaina è nato a Cuneo nel 1969 e ha conseguito la laurea in Fisica presso l'Università di Torino nel 1993. Ottenuto il dottorato in Geofisica nel 1997 presso l'Università di Napoli. ha svolto l'attività di ricerca come post-doc e assegnista di ricerca presso il MIT – USA, Istituto di Cosmo Geofisica del CNR - Torino, Università di Torino, RIKEN – Giappone. Dal 2006 al 2015 è stato ricercatore, e dal 2015 ad oggi e' Professore Associato presso il Dipartimento di Fisica dell'Università di Torino. E' autore di circa 300 pubblicazioni di cui circa 150 su riviste internazionali referate e ha un h-index pari a 31 (ISI Web of Knowledge). L'attività di ricerca è condotta prevalentemente nel campo della fisica cosmica (KASCADE-Grande, AUGER e JEM-EUSO). Inoltre ha partecipato agli esperimenti di fisica nucleare e sub-nucleare E864 e E941, presso il Brookhaven National Laboratory (USA), e si è occupato di sviluppo di rivelatori per fisica astro-particellare.

SANDRO BERTELLI

Sede lavoro: University of Ferrara (Italia)

Sede estero: Université de Lausanne (Svizzera)

SSD: 11 - Scienze storiche, filosofiche, pedagogiche e psicologiche

ERC: SH5 Cultures & cultural production

Keywords: Latin Palaeography; Codicology; Manuscripts Studies; History of the Book; Medieval Studies; Dante Studies

Graduate in Latin Palaeography at the University of Florence, where he also achieved his PhD. He obtained a grant for the research project titled The Italian Literature Mss of the Origins at the same University. The research interests focused on a wide chronology, from the late Antiquity to the Humanism. He has studied ancient mss and scripts (5th-9th century), analyzing the ms production in uncial script, in Anglo-Saxon minuscule and in Beneventan script; he has dealt with the late medieval mss and scripts (see SISMEL on the vulgar mss of the National Library of Florence 2002 and on the mss of the Bibl. Laurenziana 2011); he has also worked at humanistic mss and scripts, particularly at the most recent tradition of mss of the Dante's Comedy. This research allowed the author to further develop the subject, devoting two books (Olschki 2011, 2016). He has worked at the census survey on the medieval mss (Tuscany Region CODEX Project and ICCU Project).

SILVIA BORELLI

Sede lavoro: Università degli studi di Ferrara (Italia)

Sede estero: Université Catholique de Louvain (Belgio)

SSD: 12 - Scienze giuridiche

ERC: SH1 Individuals, institutions & markets

Keywords: Labour Law, Antidiscrimination Law, Entreprise

Silvia Borelli is a Labour Law Associate Professor of University of Ferrara. Silvia Borelli is member of the Editorial Committee of Lavoro e Diritto (a Labour Law Journal member of the International Association of Labour Law Journals). She participates to RACSE (Réseau académique sur la charte sociale européenne et les droits sociaux). During her career, she has taken part to several national and European researches on gender equality, antidiscrimination law, quality of employment, networks of enterprises, and transnational labour law. For her book on Principi di non discriminazione e frammentazione del lavoro, she received an Award for the best monograph published by a young researcher in 2007 from the Accademia dei Lincei.

ELISABETTA BORSELLA

Sede lavoro: Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile (Italia)

Sede estero: Università di Bilbao (Spagna)

SSD: 03 - Scienze chimiche

ERC: PE4 Physical & Analytical Chemical sciences; PE8 Products & process engineering

Keywords: catalysis, materials, biomass, analytical field

I'm an italian researcher at ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development); I deal with biomass, in particular with lignin. My aim is to set up catalytic processes of hydrodeoxygenation of lignin fraction to obtain fuels/jet fuels/chemicals by using innovative catalysis. Before working in Enea I was at CNR (National Research Council) at ISMN (Institute of nanostructured material) where different materials for industrial processes were synthesized. At CNR I conducted my doctorate activity in collaboration with the university of Bilbao (my doctorate was an european doctorate); my work focused on the possibility of obtaining fuels through catalytic processes of degradation of plastic wastes. I spent part of my doctorate at Bilbao university and after this I got a postdoc at the same university. My greatest skills are in the analytical field, in the development of new materials as catalysts in a large spectrum of industrial processes.

Deusto
Universidad de Deusto

MAURIZIA BRUNETTO

H-index: 60

Sede lavoro: Università di Pisa (Italia)

Sede estero: Virology Dpt.II, NIH, Tokyo, Japan (Giappone)

SSD: 06 - Scienze mediche

ERC: LS6 Immunity & infection

Direttore UOC-Gastroenterologia e Epatologia, AOUP e Prof.Str. Med, Interna, Università di Pisa. Ricerca all'Estero. 1982, Dpt. Biochemistry, Brunel University Uxbridge (GB); 1989, Max-Plank-Institut, Munich (GE; 1993-4 Human Science Foundation Japan, Visiting Scientist, Virology Dpt.II, NIH, Tokyo, Japan. Principali contributi originali. Identificazione epatite-cronica-B HBeAg-negativa e scoperta della causa, variante HBV HBeAg difettiva. Definizione ruolo HBsAg quantitativo sierico. Scoperta dei miRN circolanti nelle particelle HBsAg. Modelli fisico-matematici di dinamica dell'infezione da HCV per cost-effectiveness di cura. Premi: 1981, 1983 Bethesda (MA,USA), Grant Awards, National Foundation for Cancer Research. 1989, Monaco (GE) Young Investigator Award, European Association for the Study of the Liver e 2007, Kyoto (Japan) Young Invest. Award, Asian Pacific Association for the Study of the Liver per identificazione epatite cronica B HBeAg negativa e sua causa.

NIH

National Institutes of Health

SANDRA BURATTA

Sede lavoro: Università degli Studi di Perugia; Dipartimento Chimica, Biologia e Biotecnologie (Italia)

Sede estero: University of Tokyo, Dept. Pharmaceutical Sciences (Giappone)

SSD: 05 - Scienze biologiche

ERC: LS1 Molecular & Structural Biology & Biochemistry

Keywords: Lipid metabolism; Extracellular vesicles

Education: - Degree in Biology, (110/110 cum laude), March 1992, University of Perugia, Italy. - Ph.D in Biochemical Sciences, June 1998, University of Perugia, Italy. - Specialization in Clinical Pathology (50/50 cum laude), November 2002, University of Perugia, Italy. Professional experiences: - Researcher under 2+2 years contract at the Department of Internal Medicine, University of Perugia (2002-2006) - Researcher (SSD BIO/10, Biochemistry) at the Department of Chemistry, Biology and Biotechnology, University of Perugia (2007- at present) Teaching activity -2007-2013 Teach Biochemistry at the Faculty of Medicine, University of Perugia - 2013-at present: Teach Proteomic and Metabolomics at degree course in Biotechnology, University of Perugia Editorial activity Member of editorial board of Neurochemical Research

RICCARDO CAFFARELLA

Sede lavoro: Soprintendenza bb. cc. (Italia)

Sede estero: NCRyM (Messico)

SSD: 08 - Ingegneria civile e Architettura

ERC: SH5 Cultures & cultural production

ISCRIZIONE ORDINI PROFESSIONALI Iscritto all'Ordine degli Architetti di Mantova (n.393) dal 1998, e iscritto nell'elenco di esperti per il paesaggio PRINCIPALI CARATTERISTICHE OCCUPAZIONALI Architetto con esperienza in progettazione, gestione e direzione in interventi immobiliari e di riqualificazione. Esperto in Processi per la Valorizzazione del Patrimonio Culturale. Ricercatore e promotore di progetti e soluzioni nei settori dell'Architettura ad alto contenuto tecnologico, e negli interventi nei Beni Culturali e nella Valorizzazione del Patrimonio TITOLO DI STUDIO Master in Conservazione programmata e preventiva per la Valorizzazione del Patrimonio Culturale – 2014 Laurea In Architettura – 1997

SILVIO CHERUBINI

H-index:	37
Sede lavoro:	Dipartimento di Fisica e Astronomia, Università di Catania (Italia)
Sede estero:	CRC, Université Catholique de Louvain, Louvain La Neuve (Belgio)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter; PE9 Universe sciences
Keywords:	Nuclear Physics, Nuclear Astrophysics, Astroparticle Physics

CAREER Apr. 1995–Apr. 1997 post-doc at Sicilian Center for Nuclear Physics and Structure of Matter. 1 May 1997-31 Oct.2001, researcher at Université Catholique de Louvain, Louvain la Neuve, Belgium. 2 Nov. 2001 - 31 Oct. 2004, Institut für Experimental Physik III, Ruhr-Universität-Bochum, Germany. 1 Feb. 2005 - 31 Oct. 2014, researcher (permanent), University of Catania. 1 Nov. 2014 – present, Associate Professor, University of Catania. Visiting scientist at RIKEN (Japan) since June 2010. ACTIVITY MSc degree in elementary particles Physics. Since PhD nuclear astrophysics. S.C. collaborated in developing an indirect method for measuring nuclear sections of astrophysical interest. He carried out studies in nuclear physics and astrophysics using radioactive ion beams of relevance in astrophysical scenarios such Novae and Supernovae (SN) explosions. Recently he is concentrating on the interplay between nuclear and neutrino physics in astrophysical, in particular in SN environment.

GIORGIO CHIARELLI

H-index: 88

Sede lavoro: INFN (Italia)

Sede estero: Rockefeller University (Stati Uniti d'America)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter; SH2 Institutions, values, beliefs

Keywords: and behaviour; PE2 Fundamental constituents of matter
Higgs, Innovation, HEP

A large fraction of my research career has been inside the experiment CDF (collider detector at Fermilab), where I covered many roles and I am currently the co-spokesperson. CDF wrote the physics of the high energy physics collisions during the period 1986-2011. I was part of the top discovery in 1995, and later aimed to the Higgs boson. Of course we did not have the right energy and luminosity and we fell short, by just showing the evidence for H-->bb decay at the same time ATLAS and CMS discovered this important particle in 2012. Between 2005 and 2012 I was the PI of the CDF-Pisa group (up to more than 20 FTE during the period). On different aspects, I was the leader of the Central Evaluation Unit of INFN between 2011 and March 2018. I am currently the Chair of the INFN committee for coordination of Third Mission activities.

FRANCESCA CIGNA

H-index: 21

Sede lavoro: Agenzia Spaziale Italiana (Italia)

Sede estero: Natural Environment Research Council (NERC)
British Geological Survey (BGS) (Gran Bretagna)

SSD: 04 - Scienze della terra; 08 - Ingegneria civile e Architettura

ERC: PE10 Earth system science

Dr F. Cigna, PhD in Earth Sciences, and BSc and MSc in Environment and Territory Engineering, holds over 15 years of experience in differential radar interferometry for geohazard applications, gained at: University of Palermo [2002-2007], University of Florence [2008-2011], University of Miami in the USA [2009-2010], National Research Council (CNR) – Institute of Methodologies for Environmental Analysis (IMAA) [2014-2016], Natural Environment Research Council (NERC) – British Geological Survey (BGS) in the UK [2012-2017] and Italian Space Agency (ASI) [2017-present]. At ASI she is full-time permanent researcher in the Scientific Research Unit, and works on Earth observation and data analytics, natural and anthropogenic hazards, environmental applications, time series modelling and big data. Since 2011 she published 40 peer-reviewed papers in international journals and 50 conference proceedings and book chapters; h-index=21.

ANDREA COCCARO

H-index: 132

Sede lavoro: INFN (Italia)

Sede estero: Università di Ginevra (Svizzera)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter

I'm a staff researcher at the Italian Institute for Nuclear Physics (INFN) and doing research in high-energy particle physics. I am a member of the ATLAS experiment since 2007. My work is part of an international effort for studying the constituents of matter and their interactions. My preferred research topic is the search of new physics with the application of algorithms to select jets coming from bottom quarks.

SALVATORE COSTA

Sede lavoro:	Università di Catania (Italia)
Sede estero:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter; PE9 Universe sciences
Keywords:	Cosmic rays, particle physics, standard model, Higgs boson, supersimmetry, dark matter, nuclear reactions, multifragmentation, cross sections

Full Professor of Experimental Physics. Deputy Director of the Physics and Astronomy Department of University of Catania. President of the Quality Assurance Panel of the same Department. Member (representing the Catania INFN Section) of the Commissione Scientifica Nazionale 1 of INFN. Member of the Auger experiment at the Pierre Auger Observatory. Member of the CMS experiment at the CERN LHC – co-discoverer of the Higgs boson. Managerial skills: Resources Manager of the CMS Tracker project; key person of past collaborations between INFN-Catania and US groups in nuclear physics experiments. Expert of detector development (key roles in construction of the CMS Tracker) and operation (responsibilities in control and running of CMS and past experiments in US). In early career, studied applications of statistical thermodynamics to solid state physics, biophysics, nuclear multi-fragmentation and conducted nuclear physics measurements in INFN labs LNL and LNS.

EZILDA COSTANZO

Sede lavoro: ENEA (Italia)

Sede estero: EPFL (Svizzera)

SSD: 08 - Ingegneria civile e Architettura

ERC: PE8 Products & process engineering

Keywords: Sustainable building, energy efficiency, energy technology

PhD in building engineering, she has got more than 20 years' experience in building technology, sustainable construction and energy efficiency policies. She has been responsible for ENEA in EU projects on energy efficiency (i.e. Request 1 AND 2, EEPPA, CA EPBD) and IEA TCP tasks (SHC Task47). She is a national delegate in international committees (IEA, EERA). In CA IV EPBD, project for accelerating and sharing knowledge on EU energy performance in buildings directive, she was coordinator of the Italian delegation and covered the role of Core Team Leader for the "Collaboration with other CAs and EU projects". She assisted the Italian competent Ministry (MISE) in the development of the current standard on energy performance certification of buildings. In 2017 and 2018 she coordinated a "National Observatory of NZEBs in ENEA, a research funded by the Ministry of economic development (RdS). She is author of more than 40 publications.

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

STEFANO CRISTIANI

H-index:	64
Sede lavoro:	INAF (Italia)
Sede estero:	European Southern Observatory (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Astronomia extragalattica, cosmologia, mezzo intergalattico, formazione ed evoluzione di galassie, struttura su grande scala, quasars, metodi avanzati di analisi dati.

Astronomo Ordinario a INAF-Osservatorio Astronomico via Tiepolo 11 Trieste 2016-pres. Presidente del Consiglio Scientifico dell'INAF 2011-13 Membro del CdA dell'Ente Nazionale di Ricerca "INAF" 2007-11 Membro del CdA dell'Ente Nazionale di Ricerca "Consorzio per l'Area di Ricerca Scientifica e Tecnologica" di Trieste 2005-10 Direttore dell'Osservatorio Astronomico di Trieste 2001-pres. Astronomo Ordinario a INAF-Trieste 1999-01 Instrument Scientist/Astronomer della European Coordinating Facility dell'Hubble Space Telescope 1995 Lug-Nov, 1998-99 Associate presso ESO München 1992-01 Professore Associato all'Università di Padova 1984-87 ESO Staff Astronomer all'Osservatorio di La Silla (Cile) 1983-92 Ricercatore all'Università di Padova 1983-84 Fellow ad ESO München 1982-83 borsista CNR presso gli ESO headquarters in Garching bei München 1981 Laurea in Fisica all'Università di Roma (110/110 cum laude) 1976-80 Premio Enrico Persico dell'Accademia Nazionale dei Lincei

NADIA CUFFARO

Sede lavoro: Università di Cassino e Lazio Merdionale (Italia)

Sede estero: United Nations, Department of Economic and Social Affairs (Stati Uniti d'America)

SSD: 13 - Scienze economiche e statistiche

ERC: SH1 Individuals, institutions & markets

Keywords: Development economics, population, land

Education 1981: MSc in Agricultural Economics, University of Reading, UK 1978: Laurea, with Honors, in Statistics and Economics, University of Rome "La Sapienza", Italy Present: Associate Professor of Economics, University of Cassino. Coordinator for Erasmus and other international programs 2018 April-May Visiting Researcher, The New School, New York, Graduate Program in International Affairs 1993-1997: Invited professor, University of Cambridge (UK), Faculty of Economics and Politics. Other activities United Nations, New York: 1983 to 1988: Economic Affairs Officer. United Nations Department of Economic and Social Affairs. New York. Main activity: research Food and Agriculture Organization (FAO), Rome consultant 1988-2011 Publications and full CV http://www.unicas.it/didattica/docenti/schedadocente.aspx?nome_cognome=CrocettaNadia_CUFFARO And https://www.researchgate.net/profile/Nadia_Cuffaro

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DEPARTMENT OF ECONOMIC
AND SOCIAL AFFAIRS

INNOVITALIA
Il portale della diplomazia scientifica

NICOLA DE FILIPPIS

H-index:	132
Sede lavoro:	Politecnico di Bari (Italia)
Sede estero:	Laboratoire Leprince-Ringuet , CNRS (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Higgs discovery

* 2009-2017 Researcher at Physics Department "M. Merlin" -"Politecnico di Bari", Bari (Italy). 2018 "LPC Distinguished Researcher 2018" at Fermilab, US. 2011 1 year grant for CERN/INFN associate position at CERN. • TEACHING 2015-2017 Lecturer of the course "ParticlePhysics" for the Master degree in Physics, Bari. 2011-2018 Lecturer for the course "Classical Mechanics" and "Electromagnetism" for the Engineering courses, Bari. • RESPONSIBILITIES 2017 Responsible of the "CMS Physics Object School 2017" (Bari, Sept. 4-8). 2015 Responsible of the "CMS Data Analysis School 2015" (Bari, Italy, Jan. 19-24, 2015). 2016-2018 INFN Bari responsible for the activities of the "R&D for Future Accelerators". 2017-2019 Co-chair of the CMS School committee and member of the CMS Thesis Award committee. 2008-2009 Responsible of H->ZZ subgroup of the CMS Higgs Working Group. • SCIENTIFIC PUBLICATIONS 2002-2014 CMS experiment: 680 articles published in international journals.
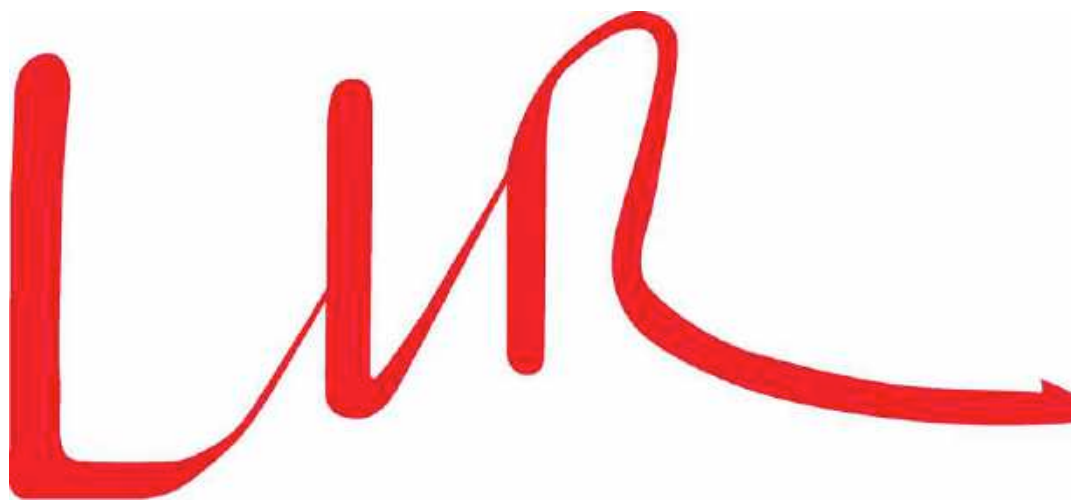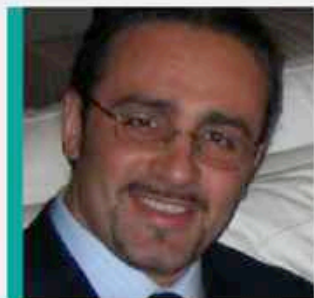
DOMENICO ELIA

H-index:	60
Sede lavoro:	Istituto Nazionale di Fisica Nucleare (Italia)
Sede estero:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Particle Physics, Nuclear Physics, Ultrarelativistic Heavy-Ion Collisions, Quark-Gluon Plasma

Domenico Elia Master Degree in Physics with honors, University of Bari (1991) Ph.D. in Physics, University of Bari, (1993-1995) Permanent Researcher at INFN, Bari Unit (since 11/2000) Co-author of 301 scientific publications, with H-index (WoS) = 60 Most of the research work carried out in the field of the heavy-ion collisions at ultra-relativistic energies for the study of the deconfined state of hadronic matter (Quark Gluon Plasma). Former member of fixed target experiments at the CERN SPS (WA94, WA97 and NA57) in the period 1990-2005 and currently involved in the ALICE experiment at the LHC. As far as the most recent activity in ALICE is concerned, main effort and scientific interest devoted to the following areas over the last decade: 1) Coordination of software preparation and performance studies for the Silicon Pixel Detector 2) Coordination of the analysis on strange particle production 3) Coordination of the Italian computing for ALICE

LUCA FIORANI

H-index:	18
Sede lavoro:	ENEA (Italia)
Sede estero:	EPFL (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE4 Physical & Analytical Chemical sciences
Keywords:	Laser remote sensing. Laser photoacoustic spectroscopy.

Luca Fiorani si è laureato in fisica con lode nel 1990 all'Università di Padova. Nel 1996 ha conseguito il dottorato di ricerca al Politecnico di Losanna. Dal 1997 al 2000 ha lavorato presso l'Università di Napoli. Dal 2000 è ricercatore ENEA a Frascati, dove si dedica a misure laser di parametri ambientali e fenomeni naturali. Docente presso le università "Lumsa", "Marconi" e "Roma Tre", è autore di numerosi articoli, brevetti e testi. Rappresenta l'Italia presso il Consiglio Artico nel gruppo di lavoro sulla protezione ambientale ed è responsabile del gruppo di interesse sulle zone costiere della European Association of Remote Sensing Laboratories. Dagli anni '90 si interessa di ecologia ed è coordinatore dell'iniziativa interdisciplinare EcoOne e membro del comitato direttivo del Global Catholic Climate Movement. Parallelamente, svolge un'intensa attività di divulgazione scientifica.

PAOLO FRANCAVILLA

H-index:	132
Sede lavoro:	Istituto Nazionale di Fisica Nucleare Sez. Pisa (Italia)
Sede estero:	CNRS-Laboratoire de Physique Nucléaire et de Hautes Energies (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Higgs, Particle Physics, Collider Physics, QCD, Jets, Trigger

Member of the ATLAS collaboration since 2005 at CERN, I had the opportunity to play a relevant role on the ATLAS data taking during the LHC Run1 (acting as TileCal Run Coordinator in the second half of 2011), on the measurement of jet production and properties, and on the search of the Higgs boson decaying in b-quarks.

ROBERTO FRANCESCHINI

H-index: 21

Sede lavoro: Università degli Studi di Roma Tre (Italia)

Sede estero: CERN (Svizzera)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter

Studi Laurea in Fisica, Università degli Studi Roma Tre, conseguita nel 2005 Perfezionamento in Fisica, Scuola Normale Superiore di Pisa, conseguito nel 2011 Research positions 2008 - 2011 EPFL Lausanne 2011 - 2014 University of Maryland 2014 - 2016 CERN 2016 - 2016 IFAE - U. Autonoma Barcelona 2016 - today Roma 3 University (Rita Levi-Montalcini Prize)

GIOVANNA FRAZZIANO

H-index: 11

Sede lavoro: Fondazione Ri.MED (Italia)

Sede estero: University of Pittsburgh (Stati Uniti d'America)

SSD: 05 - Scienze biologiche

ERC: LS4 Physiology, Pathophysiology & Endocrinology

Dr. Giovanna Frazziano achieved her graduate degree in Pharmaceutical Chemistry in 2004 at the University of Palermo, Palermo, Italy. In 2007, she achieved Diploma of Advanced Study in Pharmacology and Master in Humanitarian Medicine and Public Health at the University Complutense of Madrid, Madrid, Spain and in 2008 achieved her PhD in Pharmacology at the same University. During her PhD, Dr. Frazziano collaborated with University of Maastricht, in Netherlands, and University of Puebla, in Mexico. In 2009, she was in training at Ismett in Palermo as Clinical Research Assistant. From March 2010 to December 2011, she is a Ri.MED Fellow at University of Pittsburgh School of Medicine in the Department of Pharmacology and Chemical Biology (Faculty Mentor: Dr. Patrick Pagano). In 2012, she came back to Palermo to work at the Regenerative Medicine and Biomedical Technologies Unit to develop research project and to select the most appropriate funding opportunities for Ri.MED.

GIANLUCA FREDIANI

Sede lavoro: Università di Ferrara (Italia)

Sede estero: Technische Universitaet Graz (Austria)

SSD: 08 - Ingegneria civile e Architettura

ERC: SH5 Cultures & cultural production; SH3 Environment & society

Keywords: Progettazione architettonica e urbana; Recupero edilizio; Rigenerazione urbana; Musei; Edilizia sociale; Patrimonio culturale

Architetto e professore universitario, vive lavora e insegna fra Italia e Austria. Dopo la laurea in architettura a Napoli, ha conseguito il titolo di Dottore di Ricerca presso l'Università "La Sapienza" di Roma (1992) e presso la TU di Vienna (1996). Dal 1993 insegna Progettazione architettonica presso la Facoltà di Architettura di Ferrara, dove ha fondato il Centro ricerche ARCDES. Ha conseguito nel 2002 il titolo di Universitäts-dozent e la Libera docenza universitaria in Baukunst presso la TU di Graz, dove ha insegnato per diversi anni e dove figura fra i docenti dell'Institut für Stadt- und Baugeschichte. E' autore di articoli, saggi e contributi su diversi temi della progettazione architettonica e urbana con una particolare attenzione rivolta agli aspetti della relazione fra modernità e tradizione. Ha pubblicato diverse monografie con primarie case editrici nazionali.

ALESSIO FUOCO

Sede lavoro: CNR-ITM (Italia)

Sede estero: Université Paul Sabatier, Toulouse III (Francia)

SSD: 03 - Scienze chimiche

ERC: PE8 Products & process engineering; PE5 Materials & Synthesis

Keywords: membranes, gas separation, carbon capture, water treatment, materials science

Alessio Fuoco is a Materials Scientist (MSc at the University of Calabria) and earned his Erasmus Mundus Doctorate in Membrane Engineering (EUDIME) at the Universities of Toulouse (FR), Calabria (IT) and Twente (NL). Currently, he is a post-doc researcher working on "Preparation, characterization and modelling of polymeric membranes for gas and vapour separation". Previously, he has worked on membranes for the treatment of complex fluids. Alessio is author of several publications in international peer-reviewed journals. He has been involved in several international projects and he is the PI of a CINECA project on modelling of polymeric membranes.

CHIARA GABBI

H-index: 15

Sede lavoro: Medico (Italia)

Sede estero: Università di Houston (Stati Uniti d'America)

SSD: 06 - Scienze mediche

ERC: LS4 Physiology, Pathophysiology & Endocrinology

Chiara Gabbi, è un medico specialista Medicina Interna, dottore di ricerca in Scienze Mediche. Ha passato gran parte della sua carriera all'estero prima in Svezia presso il Karolinska Institutet di Stoccolma, poi negli Stati Uniti dove è stata Research Assistant Professor presso l'Università di Houston in Texas. Si occupa di malattie del fegato e di metabolismo. E' autrice di più di 50 pubblicazioni scientifiche, e relatrice in numerosi congressi e conferenze internazionali. In Italia, è stata revisore per i progetti di ricerca del Ministero della Salute, divenendo anche commissario e poi, Presidente della commissione di valutazione dei progetti "giovani ricercatori" nell'ambito della ricerca biomedico-sanitaria. Inoltre, è stata docente in più di 20 corsi di metodologia della ricerca e scrittura scientifica in diversi centri e università pubbliche e private.
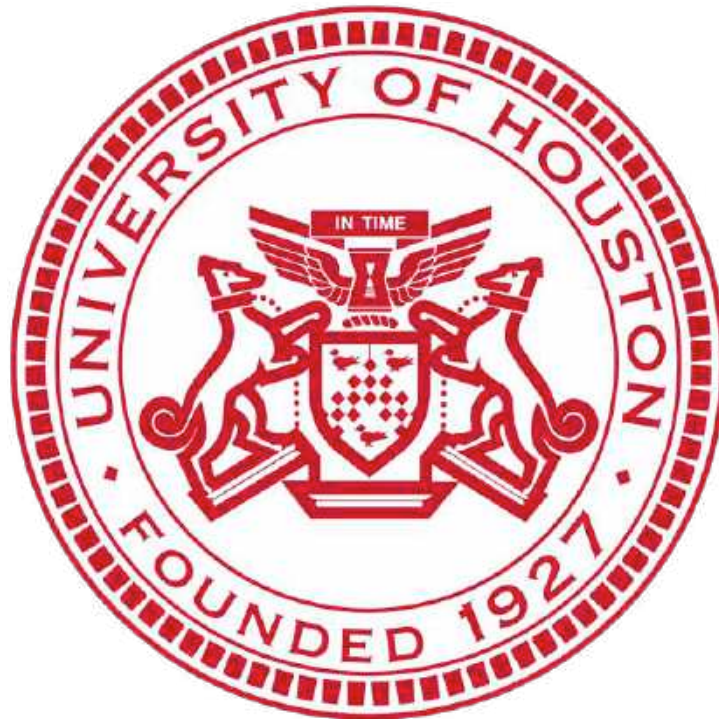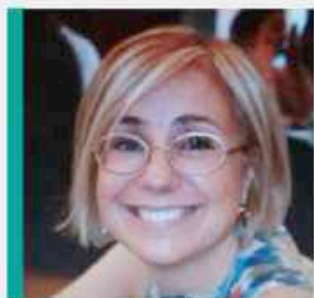
PATRIZIA GALEFFI

Sede lavoro: ENEA (Italia)

Sede estero: Oxford University (Gran Bretagna)

SSD: 03 - Scienze chimiche; 05 - Scienze biologiche; 07 - Scienze agrarie e veterinarie

ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology

Keywords: molecular biology; genetics; genomics; biotechnology;

Patrizia Galeffi is a Senior Scientist/group leader at ENEA since 1989. Her PHD Molecular and Cell Human Biology 1984-19987 was carried out at LA SAPIENZA Rome University and at OXFORD University, UK (October 1985-December 1986), obtaining Excellent score. Her activities are focused on molecular and functional genes responding to abiotic stresses in cereals; gene expression profiling; cereal biodiversity, transgenic plants; bioinformatics; statistics applied to agronomical and molecular data; triticale for bioenergy and bioethanol production; antibody engineering; antibodies for plant pathogen resistance; plants as bio-factory to produce antibodies for human applications; Ab molecular design and nano-materials. Author of around 40 publications in peer-reviewed journals, active Reviewer of International journals and Member of Panel Editors of Journal of Food, Agriculture and Environment. Inventor of 5 patents, certified Agent Technology Transfer, Member of ENEA Patent Committee.

ANDREA GAMBASSI

H-index:	31
Sede lavoro:	SISSA - Scuola Internazionale Superiore di Studi Avanzati (Italia)
Sede estero:	Max-Planck Institut für Metallforschung (Germania)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter; PE3 Condensed matter physics
Keywords:	Theoretical Physics; Statistical Physics

10/1999: Graduated in Physics, University of Pisa and Scuola Normale Superiore of Pisa (Italy) 01/2003: PhD in Physics, Scuola Normale Superiore 02/2003-12/2004: Postdoctoral research associate, Max-Planck Institut für Metallforschung, Stuttgart (Germany). 12/2004-04/2009: Researcher, Max-Planck Institut für Metallforschung. 05/2009-04/2013: (Non-tenured) Associate professor at SISSA - International School for Advanced Studies, Trieste (Italy) on a 4-year grant of the Italian Ministry of Education, University and Research (MIUR). 05/2013-03/2014: Research associate at SISSA 03/2014 – present: Associate Professor at SISSA I am author of ca. 60 publications on international journals, including Nature (1), Nature Comm. (1), Phys. Rev. Lett. (6), Europhysics Lett. and one invited topical review. My publications attracted about 3000 citations (Google Scholar), with h index 31 (including 1 paper with > 400 cits. and 5 with > 100 cits.).

MAX-PLANCK-GESELLSCHAFT

INNOVITALIA
Il portale della diplomazia scientifica

MAURIZIO GASPERINI

H-index: 48

Sede lavoro: Universita' degli Studi di Bari (Italia)

Sede estero: CERN (Svizzera)

SSD: 02 - Scienze fisiche

ERC: PE9 Universe sciences; PE2 Fundamental constituents of matter

Keywords: relativita', gravitazione, cosmologia

E' ordinario di Fisica Teorica all'Università di Bari. È stato ricercatore all'Università di Torino, Academic Staff Member alla University of California e Scientific Associate al CERN. Ha al suo attivo piu' di duecento pubblicazioni nel campo della relativita', della cosmologia e della teoria delle interazioni fondamentali. Ha ricevuto per due volte i premi conferiti dalla Gravity Research Foundation (USA) per ricerche sull'interazione gravitazionale. E' membro del Comitato Revisori e dei Comitati di Selezione del MIUR per i progetti PRIN, FIRB, SIR, FARE e per il programma "Rita Levi Montalcini"; esperto scientifico del European Research Council, della Agence Nationale de la Recherche (France) e della Swiss National Science Foundation per la selezione della ricerca d'eccellenza nel settore "Scienze dell'Universo". E' stato membro della commissione per l'Abilitazione Scientifica Nazionale nel settore 02/A2.

STEFANO GIAGU

H-index: 145

Sede lavoro: Sapienza Università di Roma (Italia)

Sede estero: Fermi National Laboratory (FNAL) (Stati Uniti d'America)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter; PE6 Computer science & informatics

Keywords: CERN, Fisica Particelle, Higgs, DarkMatter, Machine Learning, Deep Learning

My scientific activity since 1989 has been focused in the experimental investigation of the nature of the fundamental interactions, and develop in the context of the CERN (CH) and FERMILAB (USA) international laboratories. From 2014 I'm also in direct search for Dark Matter at the LNGS laboratory of INFN in Italy. In parallel with this main activity I'm also involved in both experimental application and formal development of modern Machine Learning and multivariate analysis techniques in several application contexts (high-energy physics, statistical physics, imaging applications in medical physics, decision theory). In my research work I have been one of the main contributors to the discovery of the Higgs boson at LHC, to the first observation of the Bs mixing at Tevatron, and to the precise determination of the number of light neutrino families at LEP, three of the most important results in physics in the last 20 years.

STEFANIA GIALDRONI

Sede lavoro: Università degli Studi di RomaTre (Italia)

Sede estero: Ecole des Hautes Etudes en Sciences Sociales (Francia)

SSD: 12 - Scienze giuridiche

ERC: SH6 The study of the human past

Keywords: storia del diritto commerciale, history of commercial law, East India Company, medieval legal history, modern legal history, lex mercatoria, law and humanities, diritto e architettura, diritto e iconografia, diritto e letteratura

S. Gialdroni is a research fellow in "Medieval and Modern Legal History" at the Law Department of the RomaTre University and instructor of the course "The Legal Protection of Cultural Heritage". She has obtained the Italian National Qualification as Associate Professor in 2018. She holds a PhD in legal history both from the University of Milan-Bicocca and the Ecole des Hautes Etudes en Sciences Sociales. In 2005 she was admitted as "Kollegiatin" (PhD student) at the Research School for Comparative Legal History of the MPIER in Frankfurt a. M., where she spent one year. After being admitted to the Doctorate in European Legal Cultures (Marie Curie, 6th framework program), she spent one year (2006-2007) at the London School of Economics and two years at the EHESS (2007-2009). She took part in international projects, such as "The Making of Commercial Law", which was led by the University of Helsinki (2016). She has published on the history of commercial law and on law and the humanities.
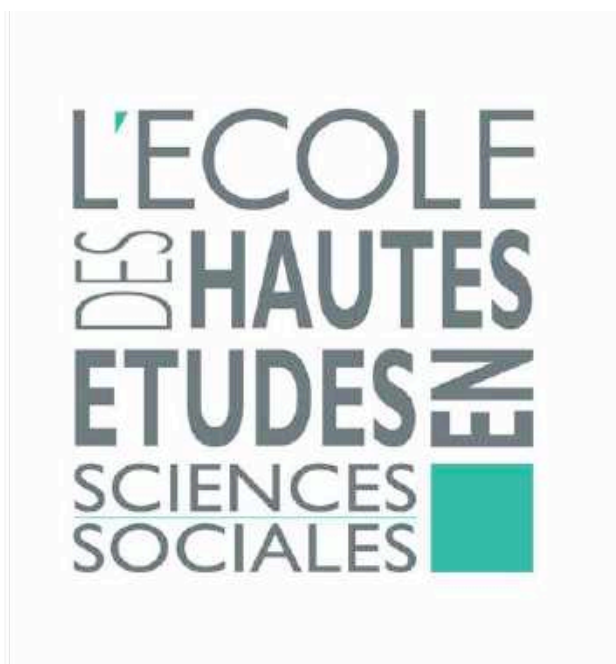
DONATO GIOVANNELLI

|	
Sede lavoro:	Universitá degli Studi di Napoli "Federico II" (Italia)
Sede estero:	Earth-Life Science Institute, Tokyo Institute of Technology, Tokyo (Giappone)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology; PE10 Earth system science; LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	Microbiologia, Ambienti Estremi, Biogeochimica, Estremofili, Coevoluzione Biosfera-Geosfera, Microbiology, Extreme Environments, Extremophiles, Biogeochemistry, Geosphere-Biosphere Coevolution

Donato Giovannelli is a microbial ecologist working on the microbiology of extreme environments. He received his B.Sc. in Marine Biology (2005) and M.Sc. in Marine Ecology (2007) from the Polytechnic University of Marche, Italy. From 2007 to 2010, Donato worked as a graduate assistant at the Polytechnic University of Marche and at the Institute of Marine Science of the National Research Council of Italy. He obtained a Ph.D. in Applied Biology, Microbiology and Ecology in 2013 from the University of Naples Federico II. Donato current research is focuses on two major theme, linked to each other: 1) the metabolic and taxonomic diversity of prokaryotes in different geothermally influenced ecosystems; and 2) the emergence and evolution of early metabolism. Donato Giovannelli is also the co-founder and Board member of Nano-Tech, and the co-founder and CEO of Cypress Biotechnology.

EARTH-LIFE SCIENCE INSTITUTE
TOKYO INSTITUTE OF TECHNOLOGY
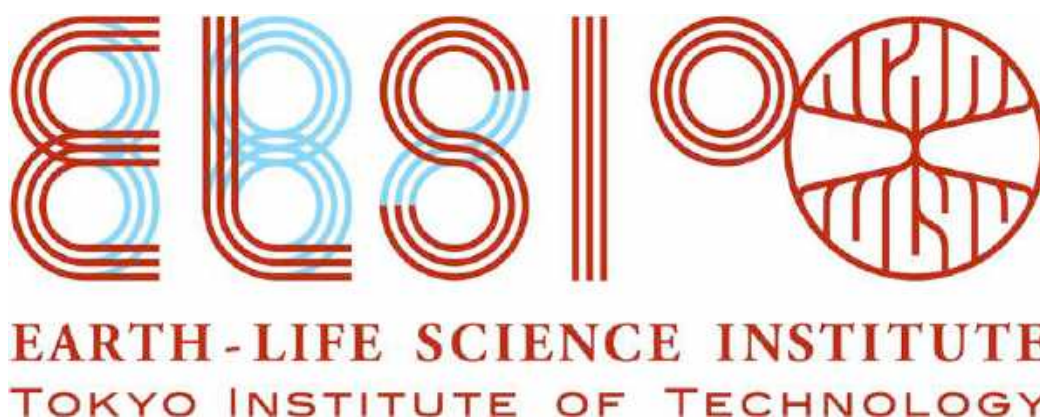
DONATELLA GIURANNO

H-index:	14
Sede lavoro:	Consiglio Nazionale delle Ricerche (Italia)
Sede estero:	CNRS (Francia)
SSD:	03 - Scienze chimiche
ERC:	PE5 Materials & Synthesis; PE4 Physical & Analytical Chemical sciences; PE8 Products & process engineering
Keywords:	materiali avanzati

Ricercatore a tempo indeterminato presso il CNR-ICMATE dal 2011. Si occupa di ottimizzazione dei processi metallurgici e della progettazione di materiali avanzati via studi teorico sperimentali termodinamici, proprietà termofisiche dei metalli liquidi, interazioni metallo-metallo e metallo-ceramico, processi di bagnabilità, giunzione, infiltrazione. Leader del gruppo Progettazione di Leghe metalliche e compositi. Recentemente ha soggiornato un anno in Polonia (Cracovia) dove ha svolto la sua attività come PI di un progetto MCSA-H2020 sullo studio dei fenomeni di infiltrazione a carico di materiali porosi a base di C e SiC da parte di leghe a base di Si. E' stata in passato key scientist e/o responsabile scientifico di numerosi progetti FP7 e ESA/ASI. Si occupa anche di design o implementazione di apparecchiature sperimentali per alta temperatura e sottovuoto, sensori, ecc.

GIORGIO GRASSELLI

H-index:	15
Sede lavoro:	Istituto Italiano di Tecnologia (Italia)
Sede estero:	The University of Chicago (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders; LS3 Cellular and Developmental Biology
Keywords:	Neurophysiology; Neuroplasticity; Cerebellum; Multiple Sclerosis; Ataxia

RESEARCH EXPERIENCE 07/2019-present: Researcher (Prof. F. Benfenati), Center for Synaptic Neuroscience and Technology, Italian Institute of Technology (IIT), Genoa 07/2018-06/2018: Senior Postdoc (Prof. F. Benfenati), Center for Synaptic Neuroscience and Technology, Italian Institute of Technology (IIT), Genoa 03/2017-06/2018: Staff Scientist (Prof. C. Hansel) The University of Chicago (IL, USA) 03/2011–02/2017: Postdoctoral Scholar (Prof. C. Hansel) The University of Chicago (IL, USA) 01/2010-01/2011: Postdoctoral Fellow (Prof. D. Centonze), Fondazione Santa Lucia, Rome 09/2006– 12/2009: PhD student (Prof. P. Strata), Fondazione Santa Lucia, Rome 07–08/2008: Visiting Student (Dr. K. Mikoshiba), RIKEN Brain Science Institute, Wako (Japan) 10/2005–07/2006: M.Sc. student (Prof. C. Bagni), Fondazione Santa Lucia, Rome 08–09/2005: Visiting Student (Prof. M. Kessels), Leibniz Institute for Neurobiology, Magdeburg (Germany)
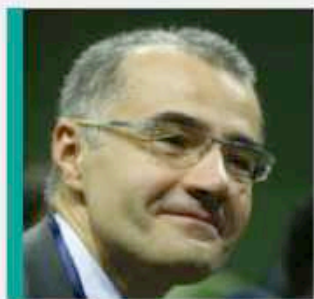
MARCO GREGGI

H-index:	5
Sede lavoro:	Università di Ferrara (Italia)
Sede estero:	SUPSI (Svizzera)
SSD:	12 - Scienze giuridiche
ERC:	SH1 Individuals, institutions & markets
Keywords:	taxation, tributi, tassazione, fisco, tax policy

Full Professor in International Tax Law at the University of Ferrara, and admitted to the Italian Bar. I am also advisor to the Tax Court of Appeal of Bologna and lecturer in several courses in Italy and Europe. I have been director of the Ph.D in European Law and Member of various EU-funded research teams. I regularly give lectures in Europe and other countries such as Brazil, UK, Croatia, Iran, Australia, Israel.

MASSIMO LA SCALA

H-index:	23
Sede lavoro:	Politecnico di Bari (Italia)
Sede estero:	Arizona State University (Stati Uniti d'America)
SSD:	09 - Ingegneria industriale e dell'informazione
ERC:	PE7 Systems & communication engineering
Keywords:	Electrical energy systems, Power system analysis and control, Smart grids, smart cities

Full Professor of Electrical Energy Systems at Politecnico di Bari and Scientific Coordinator of the "Laboratory for the development of renewables and energy efficiency in urban areas: ZERO". In 2007, he received the IEEE Power Engineering Society Fellowship: with the citation: "Contributions to the development of computationally efficient power system dynamic performance simulation and control methodologies". In the last 5 years, he has been Principal Investigator in research projects worth of a quota of 5000 k€. He was in the panel of national experts for the evaluation of pilot projects in smart grids (2010-2011) for the Italian Energy Authority and in the panel of experts in charge of reviewing research projects under financial support by the Italian Ministry of the Industry (2002-today). In 2018 he became member of the panel of 13 experts for the development of the Italian Transmission Grid on behalf of the Italian Regulator for Energy and Water.

PIERO MACCHI

H-index:	31
Sede lavoro:	Politecnico di Milano (Italia)
Sede estero:	Università di Berna (Svizzera)
SSD:	03 - Scienze chimiche
ERC:	PE3 Condensed matter physics
Keywords:	cristallografia, chimica quantistica, chimica teorica, chimia inorganica, materiali, framework organo-metallici

Piero Macchi (1970) ha ottenuto la laurea in Chimica (1994) e il dottorato in Scienze Chimiche (1999) presso l'Università di Milano. È stato post-doc presso l'Università di Aarhus (1999-2000), ricercatore presso l'Università di Milano (2002-2008) e poi professore associato presso l'Università di Berna (2009-2019). Dal 2018 è professore associato presso il Politecnico di Milano. Ricerca nell'ambito della Cristallografia Quantistica. È stato presidente del gruppo di studio su "charge, spin and momentum density" per l'Associazione Europea di Cristallografia (2011-2014) e dell'analoga commissione internazionale (2014-2017). Ha organizzato una Gordon Conference su "Electron Distribution and Chemical Bonding", diverse scuole e congressi, incluso il congresso europeo di cristallografia (2016). Nel 2018 organizza la prima scuola di cristallografia quantistica di Erice. Ha pubblicato oltre 135 articoli su rivista o capitoli di libri, due monografie ed alcuni software.

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UNIVERSITÄT BERN

VALTER MAGGI

Sede lavoro: Università degli Studi di Milano-Bicocca (Italia)

Sede estero: Laboratoire del Glaciologie et Géophysique dell'Environnement, CNRS, Grenoble (Francia)

SSD: 04 - Scienze della terra

ERC: PE10 Earth system science

Keywords: Paleoclimate, Climate Change, Mineral Dust, Polar Areas, Glaciers, Mineral Dust

From 2018 is Full Professor at University of Milano-Bicocca in Physical Geography and Geomorphology, Climate Change and Quaternary Geology. The main field of research are related to the characterization atmospheric dust, mainly in Antarctica, Greenland and Alpine areas, for long-term paleoclimatic influences of mineral phases on the atmosphere. Identification of the source areas of mineral dust and evolution of the solid charge in atmosphere in the last 800 ky. Participating at the main European ice core drilling projects for reconstruction of past climate changes, and the environmental changes on Antarctica, Greenland and European Alps area. Participate to the 10 Antarctic field seasons of Italian Antarctic Expeditions, for firn and ice drillings in the Northern Victoria Land and Dome C. From 2002 is Italian representative of the EPICA Steering Committee. In 2008 was a winner of EU Descartes Prize, with other 10 European colleagues, for the "Collaborative Research"

Laboratoire de Glaciologie et Géophysique de l'Environnement

ANNALAURA MANCIA

H-index:	10
Sede lavoro:	Università di Ferrara (Italia)
Sede estero:	Medical University of South Carolina (Stati Uniti d'America)
SSD:	05 - Scienze biologiche
ERC:	LS8 Evolutionary, population & environmental biology; LS2 Genetics, Genomics, Bioinformatics & Systems Biology
Keywords:	transcriptomics, epigenetics, marine organisms, environment, health, aquacolture

I currently am Assistant Professor of Comparative Anatomy and Cytology at the University of Ferrara, Italy. Since 2011, I am Associate Graduate Faculty at the Marine Biomedicine and Environmental Sciences Center, Medical University of South Carolina, Charleston, SC, USA. For the past 14 years, I have been using functional genomics to study the pathophysiology, environmental toxicology and immunology of marine organisms. My main scientific contributions include the development and application of microarrays for assessing transcriptomic responses to environmental stressors, sequencing the first dolphin genome for comparative genomic studies of mammalian evolution, and the development of marine mammal tissue culture reagents for controlled toxicology studies. I am co-author of 25 publications in peer-reviewed international scientific journals, 3 book chapters; I presented my work at 30 international meetings (4 with invitation) and 4 national conferences.

LEONARDO MANCINI

Sede lavoro:	Università degli Studi di Torino (Italia)
Sede estero:	Université Paris 8 (Francia)
SSD:	10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche
ERC:	SH5 Cultures & cultural production
Keywords:	Teatro, performance, letteratura

I am a PhD Candidate in History of Theatre at the University of Turin, in cotutorship at the University of Paris 8, with a thesis on "Music in the declamation and "phonè". Sources of the theatrical poetics of Carmelo Bene". My areas or research more extensively concern the history of theatre of the XVIII and XIX centuries. I have written my MA thesis on Luigi Rasi, director of the Royal School of Acting of Florence between 1882 and 1918.

LUCA MORTARINI

H-index: 10

Sede lavoro: ISAC - CNR (Italia)

Sede estero: Universidade Federal de Santa Maria (RS) (Brasile)

SSD: 02 - Scienze fisiche; 04 - Scienze della terra

ERC: PE10 Earth system science

Keywords: turbolenza, strato limite planetario

Researcher ID: C-6556-2015 ORCID: http://orcid.org/0000-0002-0543-2975 Education: - 2002 master degree in Physics Università di Torino - 2006 phD in Physics Università di Torino Current positions: - (from 2011) Researcher (III level) at the Italian National Research Council - Institute of Atmospheric Sciences and Climate. - (from 2009) Professor for the master degree in Physics of complex System of the Università degli Studi di Torino -(from 2017) member of the Graduate Program Board of the Universidade Federal de Santa Maria (UFSM, RS) Brazil Previous Positions: - from November 2017 to November 2019 Visiting Professor in the Meteorology Graduate Program of the UFSM - September– December 2004, Affiliate Assistant Professor in the Earth System and GeoInformation Sciences at George Mason University, Fairfax, Virginia, USA.
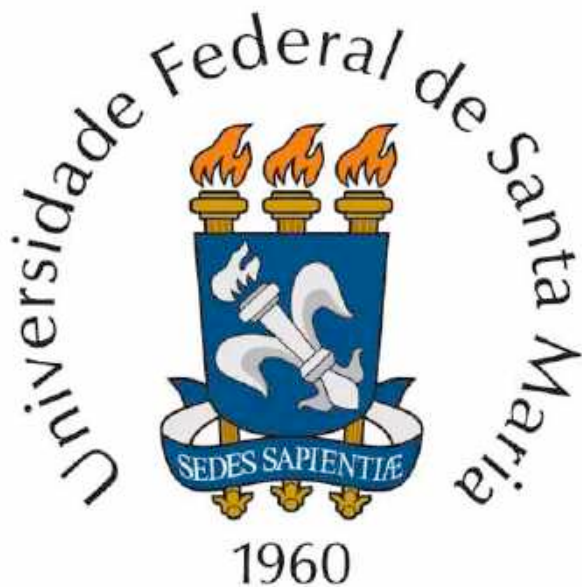
ILARIA MULLER

Sede lavoro: Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico,
Milano (Italia)

Sede estero: Cardiff University (Gran Bretagna)

SSD: 06 - Scienze mediche

ERC: LS4 Physiology, Pathophysiology & Endocrinology; LS6
Immunity & infection

Keywords: Endocrinologia, Tiroide, Autoimmunità

Clinical research fellow in the thyroid autoimmunity field with dual basic and clinical skills. She obtained her Medical Degree (2007) and specialisation in Endocrinology and Metabolism (2013), both on time summa cum laude, at the University of Pisa (Italy), world-renowned for its excellence in thyroidology. From May 2013 to Aug 2019 she moved to the Division of Infection & Immunity, Thyroid Research Group, Cardiff University School of Medicine, Cardiff, UK, one of the UK-leading centres in the thyroid field, where she awarded a PhD in Molecular Endocrinology (2016) and continued to work as postdoc. To date she has already awarded 4 competitive research grants as PI, produced 24 peer-reviewed scientific publications, her presentations at national/international meetings have always been well received, she has been an invited speaker at two international and one national scientific meetings and she is a member of the editorial board of two peer-reviewed scientific journals.

FABRIZIO PALLA

H-index:	141
Sede lavoro:	INFN Pisa (Italia)
Sede estero:	CERN (Svizzera)
SSD:	02 - Scienze fisiche
ERC:	PE2 Fundamental constituents of matter
Keywords:	Fisica fondamentale, fisica delle particelle, gravità, silicon photonics

current position Dirigente di Ricerca at INFN Pisa working positions Post-Doc, INFN Pisa 1993-1994 Post-Doc,Istitut de Fisica d'Altes Energies (IFAE), Barcelona, Spain 1994-1995 Ricercatore (Staff) INFN, Pisa 1996-2006 Scientific Associate, CERN, Geneve, Switzerland 1999-2000 Primo Ricercatore INFN, Pisa 2007- Now Scientific Associate, CERN, Geneve, Switzerland 2013-2014 MAJOR RESEARCH COORDINATIONS P.I. INFN in EU project RTN PRSATLHC HPRN-CT-2002-00326 2002-2006 P.I of CMS Pisa group 2009-2013 P.I. INFN EU project ITN INFIERI FP7 n°317446 2013-2017 P.I. of Pisa group in CHIPIX65 2014-2017 P.I. of Pisa group in RD53 at CERN 2013-now Scientific coordination Heavy Flavours convener of ALEPH 1999-2002 Convener of the CMS B-Physics group 2013-2015 Member of the several scientific committees of Conferences (Beauty, CTD, WIT) Co-Chair conference "Vertex2016" 2016

FILIPPO PALOMBI

H-index: 17

Sede lavoro: ENEA - Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile (Italia)

Sede estero: CERN European Organization for Nuclear Research (Svizzera)

SSD: 02 - Scienze fisiche

ERC: PE3 Condensed matter physics

Keywords: Sistemi Complessi

Ph.D. in Theoretical Physics, 14-years activity in different fields. Work experience in various roles: Theoretical Physicist, Software Developer, Network Technologist, Methodological Statistician, Academic Lecturer. Main skills: Mathematical Modelling of Complex Systems, Stochastic Processes, Monte Carlo Simulations, Parallel Computing. Job experience in several European countries (Italy, Germany, Switzerland). Post-doctoral research experience within some of the most important international and multicultural environments in Europe (CERN, DESY). Teaching experience as Lecturer (in Italian: professore a contratto\ ) at the faculty of Statistics of the Univeristy of Rome "La Sapienza" (course of "Algorithms and data structures"). Recipient of financial funding from highly prestigious institutions (Alexander-von-Humboldt Foundation (DE), Marie Curie EIF of the 7th EU F\ ramework Programme). Co-author of about 40 papers on peer-reviewed journals.

MARCO PANERO

Sede lavoro: Università di Torino (Italia)

Sede estero: University of Helsinki (Finlandia)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter

Keywords: Fisica teorica

Associate Professor at the University of Turin (Turin, Italy) since 11.2014; postdoctoral researcher at IFT UAM-CSIC (Madrid, Spain, 10.2013-10.2014; Severo Ochoa Excellence fellow), University of Helsinki (Helsinki, Finland, 10.2010-09.2013), ETH Zurich (Zurich, Switzerland, 10.2008-09.2010; competitive grant from INFN: 56000 Eur), University of Regensburg (Regensburg, Germany, 01.2007-09.2008; competititve grant from the Alexander von Humboldt foundation: 54000 Eur), Dublin Institute for Advanced Studies (Dublin, Ireland, 11.2003-11.2006). Ph.D. in Physics, University of Turin, 10.2003. M.Sc. in Physics, University of Turin, 07.2000.

INNOVITALIA
Il portale della diplomazia scientifica

FRANCESCO PETRACCHINI

Sede lavoro: CNR-IIA (Italia)

Sede estero: CNR-IIA (Cina)

SSD: 02 - Scienze fisiche; 03 - Scienze chimiche

ERC: LS9 Applied life sciences & biotechnology

**Keywords:** inquinamento, mobilità sostenibile, fonti rinnovabili

Francesco Petracchini (Environmental engineer and phd on Environmental Sciences) gained scientific competences working as researcher for CNR IIA on several studies related to air pollution analysis in national and international context. He worked in China leading projects (in the framework of the Sino-Italian Cooperation Program for Environment between Italian and Chinese Ministry for Environment) related to air pollution monitoring. In Shanghai he studied the impact on air quality of the construction site activities and he the chemical composition of particulate matter in the city; he participated also in the assessment activities in Beijing during the Olympic games. From 2009 he is the responsible of the Planning Department of CNR IIA and actually he is the PM of several project related to renewable energies and air pollution control in urban context in Italy.

RICCARDO PETROLO

H-index: 9

Sede lavoro: Konica Minolta Laboratory Europe (Italia)

Sede estero: Rice University (Stati Uniti d'America)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE6 Computer science & informatics

Riccardo Petrolo is currently R&D Engineer at Konica Minolta Laboratory Europe Rome, Italy. He received Bs.C. and Ms.C. degrees from University "Mediterranea" of Reggio Calabria, Italy in 2010 and 2013 respectively. In 2016, he received the Ph.D. degree from Lille 1 University, France. During this period, Dr. Petrolo served as Research Assistant at Inria Lille – Nord Europe, and he was involved in the development of the EU FP7 VITAL project, one of the first Operating Systems for Smart Cities. In 2015, Dr. Petrolo was Visiting Researcher in the GTA group at UFRJ, Rio de Janeiro, Brazil. From January 2017 to January 2019 he was Postdoc Fellow at Rice University (Houston, Texas, USA) where he lead the ASTRO project. His current research interests include Internet of Things, Robotic Networks, Semantic interoperability, Edge computing, and Smart Cities.

INNOVITALIA
Il portale della diplomazia scientifica
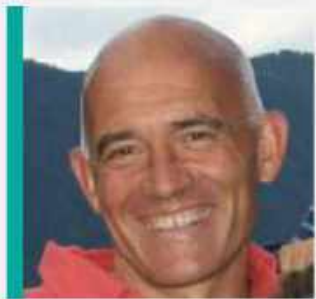
CARLO PIETROBELLI

Sede lavoro: Roma Tre (Italia)

Sede estero: Inter-American Development Bank (Stati Uniti d'America)

SSD: 13 - Scienze economiche e statistiche

ERC: SH1 Individuals, institutions & markets

Keywords: Innovation, development, innovation policy, global value chains, enterprise clusters

I am a professor and policy advisor on innovation and industrial development and policy. I am currently Professor of Economics at University Roma Tre, Italy, Professorial Fellow at UNU-MERIT, Maastricht, and Adjunct Professor at Georgetown University, Washington D.C.. During 2009-2016 I was a Lead Economist at the Inter-American Development Bank. My research interests range from development economics to innovation, trade, industry and natural resources in developing countries. I published widely in international journals and books with Harvard University Press, Edward Elgar, Palgrave and Routledge. I was Deputy Rector for promoting links between the University and the private sector at the University Roma Tre. I hold a PhD in Economics from Oxford University and have been a regular policy advisor to governments in Africa, Asia, Europe and Latin America. Personal website: https://www.merit.unu.edu/about-us/profile/?staff_id=1560 Orcid: http://orcid.org/0000-0002-3989-8642
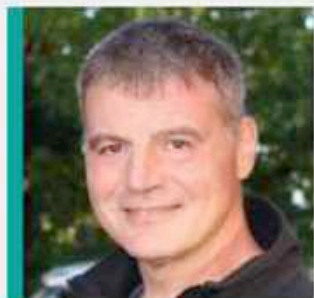
FABIO POLTICELLI

H-index: 31

Sede lavoro: Roma Tre University (Italia)

Sede estero: Columbia University (Stati Uniti d'America)

SSD: 05 - Scienze biologiche

ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology; LS1 Molecular & Structural Biology & Biochemistry

Keywords: biochemistry, structural bioinformatics

Fabio Polticelli, Ph.D. Department of Sciences, University of Roma Tre Curriculum vitae et studiorum 2011-present: Professor of Biochemistry - Department of Sciences - Roma Tre University 2004 - present: Head of the Theoretical Biology and Bioinformatics Lab – Department of Sciences – Roma Tre University 2000-2010: Research Scientist - Department of Biology - Roma Tre University 1998-2000: Post-doctoral fellow - Department of Biochemistry and Molecular Biophysics, Columbia University (New York, USA) 1996-1998: Research Scientist - Department of Biology - Roma Tre University 1995: Research fellow - Italian National Institute of Physics of the Matter (IT) 1994: Scientist - Radiobiology Unit - Medical Research Council (Chilton, Didcot, UK) 1993: Post-doctoral fellow - Technobiochip Industrial Consortium (IT) 1993: Ph.D. degree in Biochemistry - Sapienza University of Rome 1988: Degree "cum laude" in Biology - Sapienza University of Rome

PAOLO POZZILLI

H-index: 64

Sede lavoro: Università Campus Bio-Medico (Italia)

Sede estero: St Bartholomew's Medical College London, UK (Gran Bretagna)

SSD: 06 - Scienze mediche

ERC: LS4 Physiology, Pathophysiology & Endocrinology

Keywords: Diabete

Professore Ordinario di Endocrinologia, Direttore dell'Area di Endocrinologia dell'Università Campus Bio-Medico di Roma e della Scuola di Specializzazione in Endocrinologia e Malattie Metaboliche. E' coordinatore del di ricerca in Sc. Biomediche Integrate e Bioetica, nonché delegato del Rettore per le Relazioni Internazionali.Ha lavorato a lungo nel campo del diabete di tipo 1 in qualità di coordinatore del gruppo IMDIAB, è autore di 497 pubblicazioni (Pubmed) sulle diverse forme di diabete, sulle complicanze croniche di questa malattia, nonché' sulle nuove vie di somministrazione dell'insulina e sull'autoimmunità tiroidea. E' Editor in chief della rivista internazionale Diabetes Metabolism Research & Reviews. E' stato membro del Comitato scientifico della Juvenile Diabetes Research Foundation (USA) e di numerosi altri Enti valutatori di progetti Europei.

GIULIA RICCIARDI

Sede lavoro: Università di Napoli Federico II (Italia)

Sede estero: Harvard University (Stati Uniti d'America)

SSD: 02 - Scienze fisiche

ERC: PE2 Fundamental constituents of matter

PRINCIPAL POSITIONS Harvard University, Cambridge, USA, associate researcher Harvard University, Cambridge, Ma, USA, postdoctoral fellow Visiting scientist at Brookhaven National Laboratory, CERN, Nikhef, TUM Munich, LPT Orsay Paris XI, ... AWARDS Award Scientific Production (Società Italiana di Fisica) , A. Stanghellini Award, Jun J. Sakurai Award ("E. Majorana" Foundation and Centre for Scientific Culture Erice) ACADEMIC ORGANIZATION Chair of: "International workshop on Theory, Phenomenology and experiments in Flavour Physics", (Anacapri, Italy), every two years, now at its sixth edition (2016) and of International Theoretical Institute on theoretical physics (2014/16/18) Member of Scientific Committee: Workshop on B Physics" (every two years) from 2015, "Incontri di Fisica delle Alte Energie" (yearly national meetings) from 2008 External referee of scientific journals (Phys. Rev. Lett., Phys Lett. B, Phys. Rev. D, JHEP, ...) and research projects (FIRB, NSERC, HRZZ)

INNOVITALIA
Il portale della diplomazia scientifica

ALESSANDRO RUGGIERO

H-index: 17

Sede lavoro: Università di Salerno (Italia)

Sede estero: Università Politecnica di Madrid (Spagna)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE5 Materials & Synthesis; LS9 Applied life sciences & biotechnology; PE8 Products & process engineering

Keywords: Biotribology, Biomechanics, Lubrication, Acoustics, Noise Measurements

Born in Salerno, Italy. He received the master degree cum laude in Mechanical Engineering from the University of Salerno. He frequented the Tribology Ph.D. course at the University of Pisa in Italy from 1997. From 1999 to 2005, he was Assistant Professor with the Department of Mechanical Engineering, University of Salerno; actually he is Associate Professor with the Department of Industrial Engineering since 2005. In 2017 he received the National qualification to Full Professor. He has authored more than 160 scientific papers on international proceedings, national and indexed international journals. He is a referee for many prestigious international journals and evaluates national and international research projects. He collaborates with numerous international University and prestigious Research Centers. His current research interests include dynamics of mechanical systems, tribology and biotribology, noise and vibration control, lubrication and engine friction modeling.

ANTONINO SANTONI

Sede lavoro: ENEA (Italia)

Sede estero: ESRF-European Synchrotron Radiation Facility (Francia)

SSD: 02 - Scienze fisiche

ERC: PE3 Condensed matter physics; PE5 Materials & Synthesis

Dr. Antonino Santoni has obtained a master degree in Physics at the University of Bologna in 1982 and a PhD at the Free University of Berlin in 1986. In 1987 he has been awarded the "Otto-Hahn-Medaille" prize by the Max-Planck-Gesellschaft for one of the best 1986 PhD thesis in the chemical-phyiscal branch. He is the author of more than 90 refereed papers and 100 conference and other various contributions on solid state physics and materials science. Dr. Santoni is heading the group for nanostructures growth and electron spectroscopy at the FSN-TECFIS-MNF laboratory at ENEA Frascati. The current research activity is focused mainly onto the synthesis and characterization of innovative nanostructured materials for energy, photonics and photovoltaics applications. Main funding sources are MISE (Italian Ministry for the Economical Development), EURATOM, Horizon H2020 Photonics KET2017, NATO grants.

MASSIMO SAROTTO

Sede lavoro: ENEA (Italia)

Sede estero: SCK-CEN (Belgio)

SSD: 02 - Scienze fisiche

ERC: PE4 Physical & Analytical Chemical sciences

Keywords: Fissione Nucleare

Massimo Sarotto, born in 1970: - Degree in Physics at University of Torino (110 cum laude, 1996); - PhD in Metrology at Politecnico of Torino (2001); - Master (II level) in Nuclear Engineering at University of Bologna (2010). Since 2001 he has worked in ENEA and maturated a skilled experience in the neutronic analysis and core design of advanced nuclear systems aiming at sustainability, such as the Gen. IV Lead Fast Reactor and the Accelerator Driven System concepts. He participated at several EURATOM (5-7th FPs and H2020) projects devoted to fast nuclear systems. In the CDT FP7 project, he moved to the Belgian Nuclear research centre SCK-CEN (Mol) from March 2010 to June 2012 by working within an international team. From 2014, he is contributing to the ALFRED LFR core design development in the framework of the FALCON international consortium. He is also skilled in the neutronic analysis and design of nuclear applications for innovative cancer therapies (BNCT).

SILVIO SIMANI

H-index: 28

Sede lavoro: Dipartimento di Ingegneria, Università di Ferrara (Italia)

Sede estero: Faculty of Science and Engineering, School of Engineering and Computer Science (Gran Bretagna)

SSD: 09 - Ingegneria industriale e dell'informazione

ERC: PE7 Systems & communication engineering; PE6 Computer science & informatics; PE8 Products & process engineering

Keywords: Fault diagnosis, fault tolerant control, sustainable control

Silvio Simani was born in Ferrara on April 21st, 1971. He received the "Laurea" degree (cum laude) in Electrical Engineering in June 1996 from University of Ferrara, Ferrara (Italy). In February 2001 he was awarded the Ph.D. in "Information Science: Automatic Control'" at the University of Modena (Italy).

Since 1999 he is research associate at the Department of Engineering of the University of Ferrara. Since July 2000 he has bee a member of the SAFEPROCESS Technical Committee, and since October 2017 he has been appointed as vice-chair of the same TC. Since February 2002 he is Assistant Professor at the Department of Engineering of the University of Ferrara. In December 2006 he received the nomination as IEEE Senior Member. His research interests include fault diagnosis and sustainable control of dynamic processes, system modelling and identification. He is author of more than 200 international journal and conference papers, as well as 4 books and monographs on these topics.

MARCO SOZZI

H-index: 31
Sede lavoro: Università di Pisa (Italia)
Sede estero: CERN (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

Master degree in experimental high-energy physics on CP violation. Ph.D. degree on charmonium spectroscopy at Fermilab. Design of the trigger system and online zero suppression for EM calorimeter in the NA48 CP violation experiment at CERN. Assistant professor at SNS in Pisa 1995. Coordination of INFN data analysis for direct CP violation in NA48. Co-convener of direct CP violation analysis in NA48/2. INFN referee for LEP, GRID computing, COMPASS and LHC. Co-organizer of international conferences. CERN NA48/2 experiment deputy spokesman. Lecturer and organizer of the international schools. Convener of the trigger/data acquisition group in CERN NA62 rare-decay experiment. Associate professor at University of Pisa since 2006. Teaching duties at Scuola Normale di Pisa, University of Pisa and Firenze. Coordinator/lecturer for HEP Ph.D. courses in Pisa, Head of Graduate School in Physics since 2012. Head of the NA62 Pisa research group. Italian representative for the NA62 experiment.

PAOLO SPAGNOLO

H-index: 138
Sede lavoro: INFN (Italia)
Sede estero: CERN (Svizzera)
SSD: 02 - Scienze fisiche
ERC: PE2 Fundamental constituents of matter

xP. Spagnolo has many years of expertise in Particle Physics and detector development, obtained at CERN within the ALEPH and CMS collaborations. After the Higgs discovery, to address the issue of the Physics beyond the Standard Model, he started to work in the Exotica group of CMS and besides he initiated a new experimental idea to search for axions based on nanotechnology, considering that the application of these ultra cold nano-devices could improve dramatically the reach of Dark Matter discovery.

ANGELO TAIBI

H-index: 18

Sede lavoro: Università degli Studi di Ferrara (Italia)

Sede estero: University College London (Gran Bretagna)

SSD: 02 - Scienze fisiche

ERC: LS7 Diagnostic tools, therapies & public health; PE7 Systems & communication engineering

Keywords: medical physics, diagnostic radiology, breast imaging, nuclear medicine, biophysics of blood circulation

Angelo Taibi is Associate Professor of Medical Physics at the University of Ferrara. His expertise covers various aspects of the physics of diagnostic radiology, nuclear medicine and biophysics of blood circulation. Recently, he has been involved in scientific projects concerning the advanced applications of digital mammography such as dual-energy and tomosynthesis, also as scientific consultant of women's healthcare companies. Over the years he has obtained several national and international funds and has led research teams in the field of Medical Physics. Recently, he has been appointed by the Italian Space Agency to perform, as project manager, an experiment of human physiology on the International Space Station (the "Drain Brain" experiment). His publications include about 80 papers on peer reviewed journals. He also contributed to three scientific books.

INNOVITALIA
Il portale della diplomazia scientifica

DEODATO TAPETE

H-index: 14

Sede lavoro: Agenzia Spaziale Italiana (ASI) (Italia)

Sede estero: Durham University (Gran Bretagna)

SSD: 04 - Scienze della terra

ERC: PE10 Earth system science; SH5 Cultures & cultural production; SH3 Environment & society

Dr D. Tapete, PhD in Earth Sciences (Uni Bologna), BSc (Uni Florence) and MSc (Uni Bologna) in Sciences for the Conservation of Cultural Heritage, holds over 15 years of experience in remote sensing for the study of environmental and anthropogenic processes. He specialised in radar interferometry for natural hazards, archaeological prospection and cultural heritage conservation, as research fellow at CNR-ICVBC (2008, 2012-2013), as Marie-Curie post-doctoral fellow at Durham University (2013-2015), as research associate at CNR-IMAA (2014-2016) and as fixed-term researcher at Natural Environment Research Council (NERC) – British Geological Survey (BGS) (2015-2017). He is now full-time permanent researcher in Earth Observation in Scientific Research Unit. He leads projects on new algorithms and data analytics for SAR and optical time series. Since 2011 he published 30 peer-reviewed papers in international journals and 45 conference proceedings and book chapters; h-index=14.

ANDREA TARTARI

Sede lavoro: INFN (Italia)

Sede estero: Université Paris Diderot - Laboratoire APC CNRS (Francia)

SSD: 02 - Scienze fisiche

ERC: PE9 Universe sciences

Keywords: Cosmic Microwave Background, Cosmology, Mirowave Engineering, Cryogenic Detectors, Superconductive Devices

EDUCATION 2005 PhD in Astrophysics and Astronomy: Development of a sub-millimetre radio receiver for Cosmological Observations. Department of Physics, University of Milano-Bicocca, Italy. 2001 Master in Physics (Laurea Vecchio Ordinamento). Department of Physics, University of Pavia, Italy. CURRENT POSITION Researcher (fixed term, ASI-COSMOS grant) INFN – Sezione di Pisa, Italy. PREVIOUS POSITIONS 2011-2017 Researcher (PCCP fellow at Paris Centre for Cosmological Physics). PCCP/Université Paris Diderot/Laboratoiore APC-CNRS (Paris, France). 2010-2011 Research engineer Department of Physics, University of Milano-Bicocca, Italy. 2009 Researcher (Mairie de Paris fellow) Université Paris Diderot/Laboratoiore APC-CNRS (Paris, France). 2005-2008 Post-doc Department of Physics, University of Milano-Bicocca, Italy. FELLOWSHIPS AND AWARDS 2011 PCCP fellowship, Paris Centre for Cosmological Physics, Paris, France. 2009 Mairie de Paris fellowship, Paris, France.

NICOLA TOMASSETTI

H-index:	19
Sede lavoro:	Università degli Studi di Perugia (Italia)
Sede estero:	CNRS - Centre national de la recherche scientifique (Francia)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences; PE2 Fundamental constituents of matter
Keywords:	astrophysics, particle physics, astroparticle physics

I am an astroparticle physicist at Perugia University and INFN, with frequent visits at CERN in Geneva. I obtained my PhD in Perugia University on December 2009. I have been researcher at LPSC - CNRS in Grenoble, France, since March 2013 to April 2016. In spring 2017 I have been visiting researcher at the LIP-Laboratory in Lisbon, Portugal. Since 2016 to present, I am running a H2020 Marie-Curie research fellowship at Perugia University. My research is focused on a variety of physics topics aimed at the investigation and eventual resolution of two fundamental questions: the origin of Galactic cosmic rays, and the nature of cosmological dark matter. Within this context, I am active in both experimental and theoretical investigation. I am member of the AMS international collaboration. I have authored 30 publications in international journals, 17 of which as main author, 12 internal notes and 13 contributions in conference proceedings. My h-index is 19, with about 3000 total citations.

FRANCESCO TOMBESI

H-index:	26
Sede lavoro:	Universita' degli Studi di Roma "Tor Vergata" (Italia)
Sede estero:	University of Maryland, College Park (Stati Uniti d'America)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	astrofisica, buchi neri, X-ray astronomy, galassie

Professional Preparation 2010 - Ph.D. in Astronomy, University of Bologna, Italy 2006 - M.S. in Astrophysics and Cosmology, University of Bologna, Italy 2004 - B.S. in Astronomy, University of Bologna, Italy Appointments 2017 - present: "Montalcini" Assistant Professor, University of Rome "Tor Vergata" 2014 - present: Assistant Research Scientist, University of Maryland, College Park, MD 2010 - present: Astrophysicist, X-ray Astrophysics Laboratory, NASA/GSFC, Greenbelt, MD 2010 - 2014: Research Associate, University of Maryland, College Park, MD 2008 - 2009: Research Scholar, Johns Hopkins University, Baltimore, MD Honors and Awards 2017 - Aspen Institute Italia Award 2017 - "Rita Levi Montalcini" Fellowship 2016 - "Exceptional scientific achievement medal", NASA 2015 - "Robert H. Goddard Honor Award", NASA/GSFC 2014 - Astrophysics Science Division peer award, NASA/GSFC 2014 - "Early career research scientist prize for excellence", University of Maryland

VIVIANA TREZZA

H-index:	31
Sede lavoro:	Roma Tre University (Italia)
Sede estero:	Rudolf Magnus Institute of Neuroscience, University Medical Center (Paesi Bassi)
SSD:	05 - Scienze biologiche
ERC:	LS5 Neurosciences & neural disorders; LS7 Diagnostic tools, therapies & public health
Keywords:	farmacologia, tossicologia, neurofarmacologia, neurobiologia

Viviana Trezza graduated cum laude from the University of Rome "Sapienza" in 2003. In the same University, she got her PhD in Pharmacology and Toxicology in 2007. From 2005 till 2010, she worked as researcher at the Rudolf Magnus Institute of Neuroscience, University Medical Center, Utrecht, The Netherlands. In 2010, Viviana Trezza has been selected by the Italian Ministry of University and Scientific Research in the framework of a program aimed at providing excellent Italian researchers who had been working abroad for a long time with a permanent appointment at Italian Universities. Therefore, in 2010 she has been appointed Assistant Professor at the Department of Science, Roma Tre University, Rome, Italy, where she set up her own laboratory. In 2008, Viviana Trezza has been appointed Associate Professor of Pharmacology at the Department of Science of Roma Tre University, where she is currently Head of the Pharmacology Laboratory.

UMC Utrecht
Brain Center Rudolf Magnus

DAVIDE VECCHIO

Sede lavoro: Regional Referral Centre for Rare Genetic and Chromosomal Diseases, AOR Villa Sofia Cervello, Palermo, Italy. (Italia)

Sede estero: Eichler Lab, Department of Genome Sciences. University of Washington, Seattle, USA. (Stati Uniti d'America)

SSD: 05 - Scienze biologiche; 06 - Scienze mediche

ERC: LS2 Genetics, Genomics, Bioinformatics & Systems Biology; LS5 Neurosciences & neural disorders; LS9 Applied life sciences & biotechnology

Keywords: Autism Spectrum Disorders, Human Genetics, Clinical Genetics, Intellectual Disabilities, Rare Diseases, Dysmorphology

MD - PhD in Medical Genetics, pediatric consultant (project based contract on Autism Spectrum Disorder) at the Regional Referral Centre for Rare Genetic and Chromosomal Diseases, AOR Villa Sofia Cervello, Palermo, Italy. Main activities: Diagnosis, genotype–phenotype correlation, management, follow-up and research on pediatric Autism Spectrum and/or others Neurodevelopmental Disorders due to cytogenetic, genomic, or monogenic pathogenic variations.

GIOVANNI VENEGONI

Sede lavoro: Milan Center for Food Law and Policy (Italia)

Sede estero: Global Initiative against Transnational Organised Crime (Svizzera)

SSD: 14 - Scienze politiche e sociali

ERC: SH3 Environment & society; SH1 Individuals, institutions & markets; LS8 Evolutionary, population & environmental biology

Mi interesso di sostenibilità e del rapporto tra la società umana e i vari ambiti della sostenibilità (ambientale, economica, sociale). Ho cominciato nel mondo associativo, poi sviluppando il tema in un dottorato e come researcher in enti di ricerca in Italia e all'estero. Confronto, scambio e condivisione di esperienze: queste le chiavi per il futuro. Sono anche un papà e marito felice: la famiglia è uno spronje e uno spunto, quando penso al futuro!

GIULIO VIGNOLI

H-index:	12
Sede lavoro:	Cagliari (Italia)
Sede estero:	GEUS (Danimarca)
SSD:	04 - Scienze della terra
ERC:	PE10 Earth system science
Keywords:	Geofisica

Giulio Vignoli graduated in Physics at the University of Ferrara and received a PhD in Applied Geophysics from the same institution with a thesis focusing on inversion strategies. He is currently Associate Professor at the University of Cagliari and Adjunct Senior Researcher at the Geological Survey of Denmark and Greenland (GEUS). Before that, he worked at Aarhus University (Denmark), KFUPM (Saudi Arabia), the University of Padua (Italy), and the University of Utah (USA). His research interests include near-surface characterization, especially with airborne electromagnetic and seismic surface wave methods.

HELIOS VOCCA

H-index:	58
Sede lavoro:	Perugia (Italia)
Sede estero:	Tokyo (Giappone)
SSD:	02 - Scienze fisiche
ERC:	PE9 Universe sciences
Keywords:	Gravitational waves

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