

CURRICULUM VITAE

Personal information

Surname: **MAMMANO**
Given name: **Fabio**

Date of birth: 1963, August 28
Place of birth: Asiago, Veneto Region, Italy
Nationality: Italian
Marital status: Married



Current position

2018 – present: **Full Professor of Applied Physics**
Address: University of Padova (UNIPD)¹
Department of Physics and Astronomy "G. Galilei" (DFA)²
via Marzolo, 8 - 35129 Padova, Italy
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Previous position

2014 – 2018: **Director – Institute of Cell Biology and Neurobiology (IBCN)**
Address: National Research Council (CNR)³
International Campus "A. Buzzati –Traverso"
via E. Ramarini, 32 - 00015 Monterotondo / Rome, Italy

Education

1992 Jan 23: Doctor Philosophiae in Biophysics (Ph.D.), SISSA⁴, Trieste, Italy
1989 Sept 15: Magister Philosophiae in Biophysics (M.Phil., *cum laude*), SISSA, Trieste, Italy
1987 Jul 17: BSc in Physics (Italian "Laurea", *cum laude*), University of Parma⁵, Italy

Current Institutional responsibilities

2018 – present: CNR Principal Investigator⁶ and National Delegate in the Steering Committee of the International Mouse Phenotyping Consortium (IMPC)⁷
2018 – present: MIUR⁸ National delegate in the European Research Infrastructure for the generation, phenotyping, archiving and distribution of mouse disease models (INFRAFRONTIER)⁹
2017 – present: Academic Staff, Ph.D. School on Biomedical Sciences, University of Padova, Italy

Awards and honors

2015 Nov 24: Shanghai Thousand Talents Honor, Shanghai, China
2014 Dec 01: Honorary Professor, Department of Biomedical Science, University of Sheffield, UK
2014 May 07: Chair in Auditory Neuroscience, University of Sheffield, UK
2010 Sep 15: Elected Member, Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum, Belgium
2005 Nov 02: Start Cup Veneto 2005, *The Roboscope Project*, 10.000 Euro Prize

¹ Università degli Studi di Padova - <http://www.unipd.it/>

² Dipartimento di Fisica e Astronomia "G. Galilei" - <http://www.dfa.unipd.it/>

³ Consiglio Nazionale delle Ricerche - <https://www.cnr.it/>

⁴ Scuola Internazionale Superiore di Studi Avanzati / International School for Advanced Studies - <https://www.sissa.it/>

⁵ <https://en.unipr.it/>

⁶ CNR Board of Directors, Resolution no. 25/2019 - Verb. 369

⁷ CNR Prot. No. 0064022, dated 02 October 2018; <http://www.mousephenotype.org/>

⁸ Ministry of Education, Universities and Research, <http://www.miur.gov.it/>

⁹ MIUR.AOODGRIC.REGISTRO UFFICIALE(U).0010211.11-06-2018

1997 May 24: INFN Young Scientist Prize, *INFMeeting*, Chia Laguna, Italy

Professional and international experience

- 2002 Dec – present: Professor (Associate/Full), DFA–UNIPD, Padova, Italy
2015 Jan – present: Professor (Visiting), SIAIS¹⁰, ShanghaiTech University, Shanghai, China
2014 Oct – 2018 Sept: Director, CNR–IBCN, Monterotondo, Rome, Italy
2013 Oct – 2014 Sept: Professor (Visiting), Department of Biomedical Science, University of Sheffield, UK
2001 May – 2015 May: Principal Investigator, VIMM¹¹, Padova, Italy
1996 Jun – 1996 Jul: Research Consultant, NIDCD/NIH¹², Bethesda, MD, USA
1995 Dec – 2002 Dec: Professor (Assistant), Biophysics Sector, SISSA, Trieste, Italy
1992 Apr – 1995 Apr: Research Associate (Grade 1A), Dept. of Physiology, University of Bristol, UK
1991 Mar – 1992 Mar: Scientist (Visiting), Department of Physiology, University of Bristol, UK
1989 Dec – 1990 Dec: Professor (Assistant), Military Academy of the Italian Navy, Livorno, Italy
1988 Dec – 1989 Sep: Scientist (Visiting), Research Laboratory of Electronics, MIT, Boston, USA

Past Institutional responsibilities (member of)

- 2016 – 2018: Technical committee for the relationship between the National Research Council (CNR) and the European Molecular Biology Laboratory (EMBL)
2015 – 2018: Joint Steering Committee National Research Council (CNR) – Roma Tre University, Italy
2008 – 2011: Scientific committee of the Interdepartmental Research Center for the Study of Cellular Signals – University of Padova
2006 – 2010: Executive Committee, Eurohear Consortium, and Leader of Work Package 5: “Potassium homeostasis in the inner ear contribution of ion channels, ion transporters and gap junction channels”; EU FP6 Contract no. LSHG-CT-2004-512063
2003 – 2006: Executive Committee, Department of Physics, University of Padova, Italy
2001 – 2015: Scientific Committee, Venetian Institute of Molecular Medicine (VIMM), Foundation for Advanced Biomedical Research, Padova, Italy
2001 – 2013: Academic Staff, Ph.D. School on Biosciences and Biotechnology, University of Padova, Italy
2001 – 2004: Scientific Council, Italian Society for Pure and Applied Biophysics

Research fellowships

- 1995 May – 1995 Nov: ICGEB Postdoctoral Fellowship
1992 Apr – 1995 Apr: Wellcome Trust Postdoctoral Fellowship
1991 Sept – 1992 Mar: Wolfson Foundation Fellowship
1991 Mar – 1991 Sept: Royal Society / Accademia dei Lincei “Science exchange fellowship”
1987 Nov – 1989 Sept: SISSA Ph.D. Fellowship

Membership of scientific societies

- Biophysical Society
- Society for Neuroscience (SfN)
- European Calcium Society (ECS)
- Società Italiana di Fotobiologia (SIFB)
- Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum (CORLAS)

Editorial Activity

- *Frontiers in Physiology*, Associate Editor
- *Frontiers in Neuroscience*, Guest Associate Editor

¹⁰ Shanghai Institute of Advanced Immunochemical Studies - <http://siais.shanghaitech.edu.cn/eng/>

¹¹ Venetian Institute of Molecular Medicine - <http://www.vimm.it/>

¹² National Institutes of Health / National Institute On Deafness And Other Communication Disorders - <https://www.nidcd.nih.gov/>

Ad-hoc reviewer for scientific journals

Biochimica et Biophysica Acta, Cell Calcium, Cell Death and Differentiation, FASEB Journal, Frontiers in Neuroscience, Gene Therapy, Human Molecular Genetics, Journal of General Physiology, Journal of Neuroscience Methods, Journal of Neuroscience, Journal of Physiology, Journal of the Acoustical Society of America, Journal of the Association for Research in Otolaryngology, Nature, Neuroscience, Open Biology, PloS One, PNAS, Purinergic Signalling.

Ad-hoc reviewer for national and international funding agencies

- Agence Nationale de la Recherche (ANR, France)
- European Research Council Consolidator Grant Call 2015 (ERC)
- Fondazione Telethon (IT)
- Health Research Council (New Zealand)
- Institut Pasteur (France)
- Medical Research Council (UK), Royal Society (UK)
- The Israeli Science Foundation (Israel)
- The Neurological Foundation (New Zealand)
- Universiteit Gent (BE)

Concise research profile

FM investigates sensory and signal transduction in the inner ear using various experimental techniques and modeling methods, and also works on signaling mechanism and translational approaches for skin disorders, cancer and diabetes. His research on the biophysical, electrophysiological and functional characterization of transport mechanisms in biological membranes, and his studies of cell motility and second messenger signaling in single cells and cellular networks have been published in Nature, Nature Cell Biology, Nature Methods, Proceeding of the national Academy of Sciences of the USA, Human Molecular Genetics, Plos Biology, Current Biology, J Neuroscience, Cell Death and Differentiation, Oncotarget, Diabetes, J Physiol and several other journals. Research in the laboratory of FM has been generously supported by public funds from the European Union (EU), the Italian Ministry of Research (MIUR) and National Research Council (CNR), Istituto Nazionale per la Fisica della Materia (INFN), the University of Padova (UNIPD), the International School from Advanced Studies (SISSA–Trieste), as well as from private non-profit Italian organizations such as Fondazione Telethon, Fondazione Cassa di Risparmio – Padova, and Fondazione per la Ricerca Biomedica Avanzata - Padova.

Between 2014 and 2018, FM served as Director of the Institute of Cell Biology and Neurobiology (IBCN) of the National Research Council (CNR). The Institute, which comprises 96 permanent members of staff plus a cohort of approximately 50 post-doctoral scientists, PhD students and associated researchers, was established in December 2010 and is located in Monterotondo (Rome) at the International Campus "Adriano Buzzati-Traverso". The Campus also hosts the Monterotondo outstation of the European Molecular Biology Laboratory (EMBL), the Italian node of the European Mouse Mutant Archive (EMMA) animal facility, and the Monterotondo Mouse Clinic (under construction) engaged in the production, phenotypic analysis, cryo-preservation and distribution of mutant mouse strains as models of human pathologies. For further details, see: <http://www.ibcn.cnr.it/index.php/en/> and <https://www.infracorridor.eu/>.

Researcher unique identifiers

ORCID: <http://orcid.org/0000-0003-3751-1691>

CNR People: <http://www.cnr.it/people/fabio.mammano>

Google Scholar: <https://scholar.google.it/citations?user=oxUbgqooAAAAJ&hl=it>

April 22, 2019

Further information

I hereby authorize the treatment of my personal data in my curriculum according to the current Italian directives (Legislative Decree No. 196 of 30 June, 2003, "Code on personal data protection"), under the obligations and to the purposes of Italian Legislative Decree No. 33 of 14 March, 2013, "Transparency obligations of Public Administrations". Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".