

LODOLA FRANCESCO

Department of Biotechnology and Biosciences, University of Milano-Bicocca
Tenure-track Assistant Professor
Edificio U3, Piazza della Scienza 2, 20126 Milan (Italy)

 francesco.lodola@unimib.it

 +39 0264483228



PROFILE

I am a physiologist with more than 10 years of experience in cardiovascular research. Over the years, I have developed a strong interest in biophysics and acquired a hands-on experience in both basic and translational research. My main goal is to solve problems in physiology and medicine of the cardiovascular system harnessing their translational potential through multidisciplinary and groundbreaking approaches.



SCIENTIFIC PRODUCTION

Peer-reviewed publications: 31; H-index: 19; Citations: > 1000 (Scopus)
Leadership (1st, last or corresponding): 11
Scientific communications at national and international meetings: >40



Scopus ID: 53878010000



Google Scholar:

<http://scholar.google.it/citations?user=IYztoEkAAAJ&hl=it>



ORCID ID: 0000-0002-3506-5619



EDUCATION & EMPLOYMENT

Since 2020: Tenure-track Assistant Professor (ricercatore a tempo determinato tipo b; Settore scientifico-disciplinare: BIO/09 – Fisiologia) at the Dept of Biotechnology and Biosciences, University of Milano-Bicocca, Italy.

2015 – 2020: Senior postdoc researcher at the Center for Nano Science and Technology @PoliMi, Istituto Italiano di Tecnologia (IIT), Milan, Italy.

2015: Visiting researcher at the Spanish National Centre for Cardiovascular Research (CNIC), Madrid, Spain.

2012 – 2015: Junior postdoc researcher at the Prof. Silvia Priori's Lab, IRCCS Fondazione S. Maugeri, Pavia, Italy.

2008 – 2012: PhD in Physiology and Neuroscience in Prof. Francesco Moccia and Prof. Franco Tanzi's lab, University of Pavia, Italy. Thesis: *Store-operated Ca²⁺ entry is over-expressed in Endothelial Colony Forming Cells isolated from the peripheral blood of patients affected by different types of cancer.*

2008: Graduate research assistant at the Department of Physiology in Prof. Umberto Laforenza's lab, University of Pavia, Italy.

2007: MSc in Biotechnology, specialization in Industrial Biotechnology; University of Pavia, Italy; internship in Prof. Franco Tanzi's lab. Thesis: *Effetto del pre- e del post-condizionamento ischemico sui segnali di Ca²⁺ evocati dall'ATP in cellule endoteliali in situ.*

2006: Visiting student at the Veronica Milesi's lab, Departamento de Ciencias Biologicas - Facultad de Ciencias Exactas, Universidad Nacional de La Plata, Argentina.

2004: BSc in Biotechnology, specialization in Biology; University of Pavia, Italy; internship in Prof. Franco Tanzi's lab. Thesis: *Recettori Ca²⁺ sensibili in cellule endoteliali di microvasi cardiaci.*

2001: Scientific High School Diploma. Liceo Scientifico N. Copernico, Pavia, Italy.



PATENTS

2019: Photochromic Compounds. Lanzani G., Paternò G.M., **Lodola F.**, Bertarelli C., Benfenati F., DiFrancesco M.L., Colombo E., Maya-Vetencourt J.F., Colella L. Worldwide Application: IT: IT201800005987A1; WO: WO2019234567A1.



FUNDINGS

2019: Future and Emerging Technologies (FET) project: "*Light and Organic Nanotechnology for Cardiovascular Disease*" (LION-HEARTED) funded from the European Union's Horizon 2020 FET-OPEN 2018-2020 programme under grant agreement N° 828984; Co-PI of the coordinating unit; funding: € 2,904,413.75.



TEACHING & SUPERVISION

2011 – 2012: Lecturer in Cellular & Molecular Physiology; Faculty of Sciences and in Experimental Biology; Interfaculty MM FF NN at University of Pavia, Italy.

Since 2009: Thesis tutor and advisor for several BSc and MSc students at University of Pavia, Pavia, Italy; Politecnico di Milano, Milan, Italy.



COMMISSIONS OF TRUST

2020: i) Special issue editor for the peer reviewed journal "Biology". ii) Auditor for the Italian Society of Cardiovascular Research (SIRC).

2019: i) Moderator for the 80th National Congress of the Italian Society of Cardiology (SIC). ii) Reviewer for the Czech Science Foundation (GACR), Czech Republic.

Since 2014: Peer Review for journals such as *Frontiers in Physiology*, *Frontiers in Cellular Neuroscience*, *Journal of Cellular Physiology*, *Advanced Healthcare Materials*.



HONORS & AWARDS

2018: Travel grant award funded by the Italian Society of Cardiovascular Research (SIRC) to attend the 4th SIRC Forum "New Roads in Cardiovascular Research", Rome, Italy.

2017: Highlighted Paper in *Circulation Research* with an editorial written by Dr. S. Nattel.

2014: i) Research fellowship funded by TELETHON: "Creazione e studio di cellule iPS derivate da modelli murini CASQ2". ii) Highlighted Paper in *Circulation* with an editorial written by Dr. R. J. Hajjar and Dr. A. R. Lyon.

2012: i) Educational grant award for young researchers offered by Malesci to attend the 73rd SIC Congress, Rome, Italy; Research fellowship funded by Ministero della Salute (Bando Giovani Ricercatori): "Mouse and Human induced pluripotent stem cells for myocardial diseases" ii) Research fellowship funded by Fondazione Leducq: "Caratterizzazione elettrofisiologica nel modello murino della forma recessiva di CPVT umana".

2008: Research fellowship funded by Regione Lombardia: "Functional studies of aquaporin water channels in the human and rodent digestive tube".



MEMBERSHIPS

Member of the Biophysical Society, the Italian Society of Physiology (SIF) and the Italian Society of Cardiovascular Research (SIRC).