

# LODOLA FRANCESCO

Department of Biotechnology and Biosciences, University of Milano-Bicocca  
Tenure-track Assistant Professor  
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## PROFILE

I am a physiologist with more than 10 years of experience in cardiovascular research. 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 through multidisciplinary and groundbreaking approaches.



## SCIENTIFIC PRODUCTION

Peer-reviewed publications: 41; H-index: 22; Citations: > 1400 (Scopus)  
Scientific communications at national and international meetings: >40



Scopus ID: 53878010000



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



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## 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.

**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.

**2007:** MSc in Biotechnology, specialization in Industrial Biotechnology; University of Pavia, Italy; internship in Prof. Franco Tanzi's lab.

**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.

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



## PATENTS

**2019:** i) Composti Fotocromici (Application: IT 102018000005987) ii) Photochromic Compounds (Application: PCT/IB2019/054530), Inventors: Lanzani G., Paternò G.M., **Lodola F.**, Bertarelli C., Benfenati F., DiFrancesco M.L., Colombo E., Maya-Vetencourt J.F., Colella L., Owners: Politecnico di Milano and Istituto Italiano di Tecnologia.



## 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.



## COMMISSIONS OF TRUST

**2021:** Moderator for the XXIII National Congress of the Italian Society of Cardiovascular Research (SIRC).

**2020:** i) Moderator for the 81st National Congress of the Italian Society of Cardiology (SIC). ii) Special issue editor for the peer reviewed journal “Biology” iii) Auditor for the Italian Society of Cardiovascular Research (SIRC).

**2019:** Moderator for the 80th National Congress of the Italian Society of Cardiology (SIC).

**2019:** 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*, *Cells*, *PLOS ONE*, *Pharmaceutics*, *Optical Materials: X*, *Journal of Cellular and Molecular Medicine*, and *International Journal of Molecular Sciences*.



## HONORS & AWARDS

**2022:** Reviewer for the Moorfields Eye Charity, London, UK.

**2021:** Young Researcher Prize of the Italian Society of Physiology (Premio SIF).

**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 Leduca: “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 ESC WG on Cardiac Cellular Electrophysiology, the Italian Society of Physiology (SIF) and the Italian Society of Cardiovascular Research (SIRC).



## TEACHING & SUPERVISION

**Since 2020 – 2021:** Laboratory of General Physiology (6 CFU), Faculty of Biology at University of Milano-Bicocca, Milan, Italy.

**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, Politecnico di Milano, and University of Milano-Bicocca, Milan, Italy.