

## Pierluigi Valente

Associate Professor

### EDUCATION AND TRAINING

1999 - 2002

**PhD student in Cellular Physiology and Neuroimmunophysiology**

*Title of the thesis: Electrophysiological and biological effects of arachidonic acid on cultured rat cortical astrocytes*

University of Bologna – Bologna (Italy). Funded by the University of Siena – Siena (Italy)

SEPTEMBER 2004 – 28 SEPTEMBER 2007

**Single-Cycle Master's Degree in Pharmacy**

University of Bologna – Bologna (Italy)

### PROFESSIONAL HISTORY

31 DECEMBER 2020 – present

**Associate Professor of Physiology**

University of Genova, Department of Experimental Medicine – Genova (Italy)

2019 – present

**Scientific Consultant**

Italian Institute of Technology (IIT), Center for Synaptic Neuroscience (NSYN) – Genova (Italy)

1 JANUARY 2018 – 30 DECEMBER 2020

**Tenure-track Assistant Professor of Physiology (RTD-B)**

University of Genova, Department of Experimental Medicine – Genova (Italy)

31 DECEMBER 2012 – 30 DECEMBER 2017

**Fixed-term Assistant Professor of Physiology (RTD-A)**

University of Genova, Department of Experimental Medicine – Genova (Italy)

1 JANUARY 2010 – 1 DECEMBER 2012

**Senior Postdoctoral Fellowship**

Italian Institute of Technology (IIT), Department of Neuroscience and Brain Technologies – Genova (Italy)

22 NOVEMBER 2004 – 30 DECEMBER 2009

**Research fellowship**

Miguel Hernandez University, Institute of Molecular and Cellular Biology (IBMC) – Elche, Alicante (Spain)

1 APRIL 2003 – 9 OCTOBER 2004

**Postdoctoral Researcher**

## ACADEMIC APPOINTMENTS

*FEBRUARY 2021 – present*

**Member of the Web Site Commission of the Department of Experimental Medicine**  
University of Genova, Department of Experimental Medicine – Genova (Italy)

*A.A. 2017/2018 – present*

**Member of the Academic Board of PhD Program in Neuroscience – Curriculum Clinical and Experimental Neuroscience**  
University of Genova – Genova (Italy)

## EXPERIENCE

### MAIN SEMINARS

*02-05/09/2019* 7th Spanish-Italian-Portuguese-French (SIPF) International Workshop on:  
Structure and Function of Ion Channels and Transporters  
*Member of the organizing and scientific committee*  
Held at Sestri Levante, Genova (Italy)

*06/09/2017* The paroxysmal disorder gene PRRT2 encodes a synaptic protein regulating  
network stability  
*Invited speaker*  
68th Congresso della Società Italiana di Fisiologia

*16-18/09/2015* Società Italiana di Fisiologia (SIF) National Congress  
*Member of the organizing committee*  
Held at the University of Genova, Italy

*18/10/2013* Fine tuning of short-term plasticity and synaptic filtering mediated by GABA  
corelease at hippocampal glutamatergic autapses  
*Invited speaker*  
Fourth Joint Italian-Spanish-Portuguese workshop in Biology and Biophysics of Ion Channels  
and Transporters”, Palma de Mallorca (Spain)

*05/11/2009* TRPV1 channel gating: role of TRPbox domain  
*Oral presentation*  
2nd Hispano-italian workshop on the Molecular biology and Biophysics of Ion channels”,  
Xorret del Catí, Alicante, (Spain)

*27/09/2006* Role of S5 in voltage-sensing in potassium channels  
*Oral presentation within Ion Channels session*  
Congress “VI Ibero American Congress of Biophysics – Madrid (Spain)”

*19/07/2004* Electrophysiological effects of arachidonic acid on cultured cortical astrocytes

*Oral presentation within “Seminarios de Neurociencias: Los canales iónicos y sus patologías”  
Neuroscience Seminars, Fundación duques de Soria, Soria, Spain (Spain)*

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF  
COMPETITIVE CALLS INVOLVING PEER REVIEW

**2022 - 2025** *Experimental and modelling investigation of sodium channel dysfunction in the  
cerebellum to determine the basis of PRRT2 paroxysmal disorders  
Competitive call of the Italian Ministry of Research - PRIN 2022. Coordinator of the UNIGE unit  
University of Genova – Genova (Italy)*

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH  
INSTITUTES

**2004 - 2009**  
*Participation in teaching the courses Biophysics and Integrated Laboratory II within the  
Bachelor’s Degree in Biochemistry  
Miguel Hernandez University, Institute of Molecular and Cellular Biology (IBMC) – Elche,  
Alicante (Spain)*

**2004 - 2008**  
*Participation in teaching the PhD courses in Functional Genomics and Proteomics and in Drug  
Design by Combinatorial Chemistry  
Miguel Hernandez University, Institute of Molecular and Cellular Biology (IBMC) – Elche,  
Alicante (Spain)*

PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

**15/07/2024**  
*National Scientific Qualification as Full Professor in sector 05/D1, Physiology, SSD BIO 09*

**2016 - present**  
*Member of the “Italian Society of Physiology - SIF”*

**2005**  
*Co-author of patent “TRP-receptor-modulating peptides and uses thereof (Péptidos  
moduladores de receptores TRP y sus usos” (WO2012/098281 A2–2012-07-26 // WO2012098281  
(A3)–2012-11-29)*