

CURRICULUM VITAE

NAME: Isabella Panfoli

POSITION TITLE: Assistant Professor-Senior Researcher, Biochemistry

EDUCATION

1989 – Degree in Biological Sciences, University of Genova, Genova, Italy. (*Summa cum laude*).

1983 Degree in Architecture, University of Genova, Genova, Italy. (*Summa cum laude*).

1977 – High School Diploma (Diploma di Liceo Classico), Liceo A:D'Oria, Genova, Italy.

Positions and Employment

1985-1989 Fellow, Institute of Cybernetics and Biophysics, CNR, Genoa, Italy.

1989-1993 Fellow, Institute of Biochemistry, University of Genoa, Italy.

1990-1991 Research fellowship, A.Villa Rusconi Foundation, Biochemistry of vision.

1993-present Assistant Professor-Senior Researcher at University of Genoa, Faculty of Sciences.

Other Experience and Professional Memberships

Teaching experience:

- Professor of Biochemistry, Biochemistry II, Experimental Biology II, English Language and Marine Biochemistry at the Faculty of Science, University of Genoa.
- Laboratory course trainings in Biochemistry, Biochemistry- II, Experimental Biology II, and English Language for Biology students at the Faculty of Science, University of Genoa.
- Member of Exam Committee of Biochemistry, Biochemistry II, Experimental Biology II, English Language and Marine Biochemistry, for undergraduate students in Biology .
- Lecturer at specialist courses in Biochemistry.
- Mentor for final Thesis for 24 students in Biology and Pharmacy.

Research activities in national and international laboratories:

- 1986-1987: Research fellowship at the department of Biochemistry of Cambridge University (UK) Assays of adenylate and guanylate cyclase of mouse brain and frog retinal rod outer segments. Supervisor: Dr. Aviva M. Tolkowsky, Dr. Luigi Cervetto.
- 1988: Laboratory of Biophysics, faculty of Medicine, University of Genoa, Italy: NMR studies on H1 histone. Supervisor: prof. Claudio Nicolini.

Honors

Invited speaker to conferences in Italian Universities and Institutes of research.

Citation 10-01-2010 in F1000 Medicine: <http://f1000medicine.com/article/id/1356002/evaluation>

Refereeing Activity:

-Journal of Biological Chemistry; Cancer Research; Life Science; - Current Immunology Reviews; - Molecular Vision

Professional membership:

1991-present Member of Italian Society of Biochemistry and Molecular Biology

2009-present Member of the European Society for Neurochemistry

General Research Interest

Bioenergetics aspects, expression, purification and characterization studies of proteins with current emphasis in the biochemistry, biochemical and functional studies of proteins regarding the vertebrate retinal compartments and Nervous System.

Teaching Activity:

Academic Courses at the Faculty of Sciences M.F.N.; University of Genova:

1997/98 e 1998/99: "Biochemistry"

1999/00 - 2001/02; 2006/07 - 2008/09 : "Marine Biochemistry"

2003/04 - 2004/05: "English Language"

2003/04: "Molecular Physiology-Biochemistry",

2004/05 - 2008/09: "Biological Chemistry II and Lab."

2009/10-present Biochemistry module in "Environmental Biochemistry and Microbiology"

Dr. Isabella Panfoli Was Mentor of 25 Students, for their Degree in Biology, Faculty of Sciences M.F.N, or Pharmaceutic Chemistry, Faculty of Pharmacy, University of Genova.

Language knowledge:

English: Optimal level of proficiency in reading, writing and spoken language.

Portuguese: good level of proficiency in spoken language, sufficient in reading and writing.

Dr. Isabella Panfoli Is Author of 79 peer-reviewed scientific reports, 60 of which on impacted Journals.

Other Professional Service

1983-1982 Worked as an Architect.

Research Support

2009-2012

Grant from the "Compagnia di S.Paolo" foundation. (protocol n. 2008.1142) Project Title:" Energetic Metabolism of Myelinated Axons: a new trophic role for myelin sheath."

Role: Co-investigator

2008-2010

Annual research funds from University of Genoa (protocol nr. 02031001070) Project title: "Extramitochondrial oxygen consumption and ATP synthesis".

Role: Co-investigator

2008-2010

MIUR-PRIN (Relevant National Research Program) of Italian Ministry of Research (protocol nr. 2007Y9XYMM_003). Project title: "The goal of this study is to determine the effects of electromagnetic waves of very low frequencies on enzymatic activities in retinal tissues".

Role: Co-investigator

2007-2008

Annual research funds from University of Genoa (protocol nr. 02031001064) Project title: "Bioenergetics for the outer segments of bovine retinal rods."

Role: Principal investigator

2005-2007

MIUR-PRIN (Relevant National Research Program) of Italian Ministry of Research (protocol n. 2004057493_003). The research program investigated the effects of electromagnetic fields of extremely low frequency (ELF) /low intensity on enzymatic activities located in the disk membranes of rod cells of bovine retina.

Role: Co-investigator