

CURRICULUM VITAE

Name: Silvia Ravera

Education:

2010 – PhD in Applied Neurosciences, University of Genova, Genova, Italy

2004 – Degree in Biological Sciences, University of Genova, Genova, Italy. (*Summa cum laude*).

1999 – High school Diploma in Biology (Diploma di Liceo Scientifico ad indirizzo Biologico Sanitario), Istituto M.G. Rossello, Savona, Italy.

Professional Experience (Scientific Research)

01/2010- present

Postdoctoral Researcher – Bioenergetic of Central Nervous System, Faculty of Sciences, University of Genova, Genova

10/2009-present

Principal investigator for the project “Energetic Metabolism of Myelinated Axons: a new trophic role for myelin sheath”, funding by Compagnia di Sanpaolo”

01/07 – 12/09:

PhD student, in Applied Neuroscience, Faculty of Medicine, University of Genova, Genova, Italy. Major field: Bioenergetic of Central Nervous System; Multiple Sclerosis.

09/06 – 08/07:

Teaching Fellow – Effects of extremely low frequency electromagnetic field on enzymatic activities of vertebrate retina photoreceptors, Faculty of Sciences, University of Genova, Genova, Italy.

02/06 - 08/06:

Scholarship – Effects of direct current on biological system and enzymatic activities, Faculty of Sciences, University of Genova, Genova, Italy.

09/04 – 01/06:

Collaborator to the research activities of Biochemistry Lab, Faculty of Sciences, University of Genova, Genova, Italy.

Major Field: Biochemistry of Vision (Bio-energetic and protein purification).

Professional Experience (Academic)

Academic years 05-06, 09-10 and 10-11

Biochemistry Professor, Faculty of Science, University of Genova, Genova, Italy.

General Research Interest

Structure-function relationships, bioenergetics aspects, expression, purification and characterization of recombinant and native proteins with current emphasis in the biochemistry, protein-protein interaction studies and molecular biology of proteins regarding the retinal compartments and Central Nervous System.

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: Principal 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: Co-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

Honors

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

Professional Membership

2007 - 2008

Italian Society of Experimental Biology

2009 - present

Italian Society of Biochemistry and Cell Biology

Other Professional Service

2005 - 2007

Expert for a civil suit (about interection among electromagnetic field and biological system), Massa Ct. Justice, Massa, Italy.

1995- 1999

Reporter for “Letimbro” (Diocesan Weekly Magazine), Savona, Italy.