

CURRICULUM VITÆ

May 25, 1945, Firenze

EDUCATION

1968 University of Pisa, Degree in Biology

1971 Scuola Normale Superiore di Pisa, PhD in Neurophysiology

PROFESSIONAL CAREER

1972-1980 Assistant in Physiology at the University of Pisa

1981-1990 Associate Professor in Physiology at the University of Pisa

1990-1993 Full Professor in Physiology at the University of Tuscia, Viterbo

1993-present Full Professor in Physiology at the University of Pisa

Since 2000 Responsible of the Erasmus Mobility in Biology

2005-2011 Member of the Directory Board of the Italian Society of Physiology

Since 2005 Responsible of the Unit of General Physiology at the Department of Biology

Since 2010 President of the Scientific Committee 05 at the University of Pisa

TEACHING EXPERIENCE

General Physiology, Comparative Physiology, Neurobiology, Neurophysiology

Member of the Committee of the PhD School in "Neurosciences and Endocrine-Metabolic Sciences"

Member of the Committee of the PhD School in "Biological and Molecular Sciences" and member of its Directory Board

2001-2002 Incentive of the Faculty of Sciences of the Pisa University for teaching activity

2002-2003 Incentive of the Pisa University for teaching activity

2005-2006 Responsible of a Master funded by the Tuscany Region for the formation of experts in preventive health activities

RESEARCH EXPERIENCE

1986-1987 Italian Research Council (CNR) fellow, Department of Psychology, University of Maryland at College Park

1988-1989 CNR fellow, Department of Neurosciences, University of New York at Stony Brook

1979-1980 Swiss National Foundation senior fellow, Brain Research Institute, University of Zurich

RESEARCH ACTIVITY

140 papers on refereed international journals

MAIN RESEARCH INTEREST AND RESULT ACHIEVEMENT

1. Neural-vascular interactions
2. Mechanisms of angiogenesis with particular emphasis to the role of miRNA
3. Tumor angiogenesis
4. Neuropeptides in the brain: expression, localization and function
5. Pharmacological and functional characterization of neuropeptide receptors

MAIN FUNDING SUPPORTS AND PROJECT RESPONSABILITIES

2011-2013 Programma Nazionale di Ricerche in Antartide project entitled "Early markers of cardiovascular diseases in extreme environments: a functional evaluation of endothelial progenitor cells (EPCs)", responsible of an Operative Unit

2010-2012 Fondazione Cassa di Risparmi di Livorno project entitled: "Evaluation of visual function in diabetic patients treated with anti-hypertensive drugs", project coordinator

2010-2011 Fondazione Cassa di Risparmio di Lucca project entitled: "Anxiety and depression as risk factors in coronary ischemic disease: screening, baseline evaluation and follow-up", responsible of an Operative Unit

2009-2012 Azienda Ospedaliero-Universitaria Meyer of Florence, project entitled: "Beta-adrenoreceptor blockade as treatment of retinopathy of prematurity: a study in a murine model of oxygen induced retinopathy", project coordinator

2010-2013 Fondazione Cassa di Risparmio of La Spezia project entitled "Anxiety and depression as risk factors in ischemic coronary diseases", responsible of an Operative Unit

2009-2010 Fondazione Cassa di Risparmi of Livorno project entitled: "Evaluation of visual function in diabetic retinopathy: a preventive study", project coordinator
2007-2009 Fondazione Cassa di Risparmio of La Spezia, project entitled: "Molecular markers of Alzheimer's disease in a population of Val di Magra", responsible of an Operative Unit
2006-2007, INTERREG III funded by the Tuscany Region and the European Community, project entitled: "Preventive identification of potential organismic factors which cause important environmental alterations in the coast following the increased ship traffic in the Liguria-Tirreno Area", responsible of an Operative Unit
2005-2007 MIUR PRIN project entitled: " Functional aspects of the peptide somatostatin in the retina: the therapeutic problem of proliferative retinopathies", national coordinator
2005-2007, MIUR Internationalization (Art. 23) project entitled: "Anticonvulsant role of the peptide somatostatin in temporal lobe epilepsy: a functional and molecular study", coordinator
2004-2007 Fondazione Cassa di Risparmio di La Spezia project entitled: "Early diagnosis of Alzheimer's disease in a population of Lunigiana", responsible of an Operative Unit
2002-2005 MIUR FISR (Neurobiotechnology) project entitled: "Somatostatin and its receptors:expression, functional and molecular characterization in nervous structures", coordinator
2000-2003 MIUR Cluster Biomedicine 04-21 project entitled: "Application of advanced technologies for confocal microscopy investigation and electronic image elaboration", coordinator
2000-2002 MIUR COFIN project entitled: "Morpho-functional properties of developing cells in the nervous system and role of epigenetic factors", national coordinator
1999-2003 European Community Ct.QLG3-1999-00908 project entitled: "Somatostatin and somatostatin receptors in brain function and dysfunction", responsible of an Operative Unit
1999-2001 Cooperation Italy-Greece (117/2348) project entitled: "Study of the interactions between neuropeptide and neurotransmitter systems in the brain striatum: clinical implications", responsible of an Operative Unit
1998-2000 MIUR COFIN project entitled: "Morpho-functional properties of developing or regenerating cells in the nervous system", national coordinator
1994-1997 European Community Ct.BMH1-CT94-1378 project entitled: "Basic approaches to restore neuronal function", European coordinator
1996-1998 MIUR COFIN project entitled: "Role of neuropeptides in development of the Central Nervous System", responsible of an Operative Unit
1994-1996 MIUR COFIN project entitled: "Mechanisms of regulation of cellular function", responsible of an Operative Unit
1992-1993 project Italy-USA funded by the CNR, coordinator
1989-1994 Section of Biotechnology of the CNR, quinquennial project entitled: "Computer-assisted image analysis", coordinator
1989-1991 triennial project Italy-USA funded by the CNR, national coordinator
1985-1990 Farmitalia-C.Erba, project responsible
1984-1990 responsible of annual projects funded by the CNR
1982-1994 Italian Board of Education, MURST 40%, responsible of biennial projects
1981-1984 responsible of a triennial project Italy-Switzerland funded by the CNR

ORGANIZATION ACTIVITY

2011, June 8-10, Italian Society of Physiology, University of Genova and University of Pisa, "Annual Meeting of Young Researchers in Physiology 2011" Sestri Levante, Genova
2010, June 16-19, Italian Society of Physiology and Pisa University, "Annual Meeting of Young Researchers in Physiology 2010" Santa Croce in Fossabanda, Pisa
2010, June 19, Italian Society of Physiology and Pisa University, "Symposium in honour of Moruzzi's centennial"
2009, June 22-25, Italian Society of Physiology and Pisa University, "National Meeting of Graduate Students in Physiology", Santa Croce in Fossabanda, Pisa
2004, October 4-7, University of Pisa, Annual Meeting of the Italian Society of Physiology

2001 International Symposium in Pisa: "Somatostatin and somatostatin receptors in brain function and dysfunction"

1996 International Symposium in Tenerife: "Basic Approaches to Restore Neuronal Function II"

1995 International Symposium in Crete: "Basic Approaches to Restore Neuronal Function I"

1994 International Symposium in Viterbo: " Basic approaches for the study of mental diseases"

1991, May 26-June 6, NATO Advanced Study Institute at the University of Tuscia: "Maturation and Aging in the Central Nervous System"