

ANTONELLO NOVELLI CIOTTI

SHORT CURRICULUM VITAE

Antonello Novelli was born in Milan on March 16, 1953. He obtained his Degree (Laurea) in Biology on March 21, 1978; followed by the Ph.D. in Experimental Pharmacology on November 15, 1982. At present he is a Permanent Professor of Psychobiology at the University of Oviedo, and he is developing his research activity in neurobiology within the University Institute of Biotechnology, in the Department of Biochemistry and Molecular Biology.

Email: anovelli@uniovi.es

RESEARCH ACTIVITY

Year, Position, Program

1975-76 Pre-Graduate Student, Lab. Plant Physiology, Dept. Botany, Faculty of Sciences, Univ. Milan, Italy. Electrophysiological determination of plant cell membrane potential.

1977-78 Pre-Graduate Student, Dept. Enzimology Faculty of Agriculture, Univ. Milan, Italy. Purification of Trypsin and Chymotrypsin by affinity chromatography.

11/1979-5/80 Biologist, Lab. Clinical Analysis, Neurological Institute "C. Besta", Milan, Italy. Comparison of assessment methods for heparin in plasma. Hemogasanalysis and hemocompatibility tests.

6/1980-11/82 Pre-Doctoral Student, Lab. Neuro endocrinology, Dept. Pharmacology, Faculty of Medicine, Univ. Milan, Italy. Hypothalamic control of antero-hypophysary hormonal secretion.

3/1983-10/84 Post -Doctoral Fellow, Lab. Preclinical Pharmacology, St. Elizabeth's Hospital, NIMH, NIH, Washington D.C., USA. Primary cultures of rat cerebellar neurons and signal transduction via excitatory aminoacid receptors.

11/1984-7/86 Fogarty Post-Doctoral Fellow, Lab. Mol. Biology, Neurobiology Section, NINDS, NIH, Bethesda, MD, USA. Neuronal uptake of antidepressants and signal transduction via excitatory aminoacid receptors.

8/1986-5/89 Visiting Associate, Lab. Mol. Biology, Neurobiology Section, NINDS, NIH, Bethesda, MD, USA. Signal transduction and neurodegeneration via excitatory aminoacid receptors.

12/1987-5/88, 12/1988-1/89, 6/1989-1/90 Visiting Scientist, Lab. Biophysics, International School for Advanced Studies, Trieste, Italy. Development of ionic conductances and signal transduction in primary cultures of rat cerebellar neurons.

8/1989-10/89 Adjunct Scientist, Lab. Developmental Neurobiology, NICHD, NIH, Bethesda, MD, USA Development of new neural networks and testing of excitotoxins.

1990-9/93 Visiting Professor, Dept. Functional Biology, Biochemistry, Fac. Medicine, University of Oviedo, Spain. Neurochemical and neurodegenerative pathways activated by marine food toxins.

10/1993-to date Permanent Professor, Dept. Psychology, Psychobiology, Fac. Psychology, and University Institute for Biotechnology of Asturias, University of Oviedo, Spain. Mechanisms of neuroprotection and new drugs against excitotoxicity. Neurochemical and neurodegenerative pathways activated by marine food toxins. Neuronal and glial effect of metals.

MOST RELEVANT MERITS

- 1) Participation in 24 RESEARCH PROJECTS: 7 internationals, 10 nationals (MICINN, 5 as I.P.), 2 regionals (1 for GROUPS of EXCELLENCE):
- 2) Co-author of 77 publications in books and scientific journals with ISBN:
 - 59 articles in international journals and books with ISI Impact Factor:
 - 23/59 articles in journals and books in the first 25% (Q1) of their category list by Impact Factor
 - >2500 citations (Institute Scientific Information, december 2015)
 - Cites/Publication > 43
 - Citations in the last 5 years (2010-14): 346 = 69,2/year
 - H index: 18/59 (the total n° of publications in WoS will be the maximum)
- 3) Co-direction of 6 Ph.D. Thesis (cum laude), 13 projects/seminars of research and 7 Master Thesis.
- 4) Co-author of 4 PATENTS: 3 patents for phycotoxin determination in seafood.
- 5) MERITORIUS ADMISSION to Full Professorship by the Council of Spanish Universities (B.O.E. March 18, 1997).
- 6) POSITIVE EVALUATION of teaching and scientific activities by ANECA, July 21, 2003.
- 7) CERTIFICATION of 6 research quality sexennia (1980-2015) by the ANECA and the CNEAI.
- 8) ORGANIZATION of 9 Sessions in International Congresses and presentation of 82 communications.

- 9) ORGANIZATION of 41 conferences of internationally known scientists at the Universidad de Oviedo.
- 10) PRESENTATION of Prof. Antonio Damasio, and Prof. Giacomo Rizzolatti, Prince of Asturias Award for Scientific and Technologic Research in 2005 and 2011, respectively.
- 11) REFEREE for 17 international journals, among them SCIENCE, and NATURE Protocols.
- 12) REFEREE for the Spanish ANEP and other international associations (Italy, New Zealand, Czech).
- 13) EXPERT for the European Commission, ITN program.
- 14) Member of 8 International Scientific Societies
- 15) Permanence in foreign research centers (USA) for a total of 77 months
- 16) Responsible of over 15 Erasmus Programs, and General International Coordinator for the Faculty of Psychology.
- 17) INVITED MEMBER in the weekly sessions of the Clinical Neurology Section, University Hospital of Asturias, since 2002.
- 18) Languages: Italian C2, Spanish C2, English C1, French B1.

Teaching Activity in the Faculty of Psychology (240 h /year)

- 1993-97 + 98-99 + 2012-16 -Theory and practice of "Fundamentals of Psychobiology"
- 1994-2000 -Theory and practice of "Psychopharmacology"
- 1996-00+06-09 -Theory and practice of "Neuropsychology"
- 1998-99 -Ph.D. Program in Psychology: theory and practice of "Preclinical Neuropsychopharmacology".
- 2000-2016 -Theory and practice of "Physiological Psychology" (until 2012) and "Psychobiology of Aging".
- 2000-2001 -Ph.D. Program in Psychology: theory and practice of "Advances in the Biochemistry and Molecular Biology of Neuropsychopathologies. Relevance for Neuropsychology and Neuropsychopharmacology".
- 2001-2003 -Ph.D Program in Psychology: " Neurochemical and Neuropsychological components of Neuropsychopathologies"
- 2004-2009 - Ph.D. Program in Psychology: "Cognitive, clinical and neurochemical contributions to neuropsychology: a top-down integrated focus".

2009-2011 - Master Program in Health Psychology Research: "Cognitive, clinical and neurochemical contributions to neuropsychology: a top-down integrated focus".

Inter-Faculty Teaching Activity

1993-97 -Ph.D. Program in Neuroscience: sharing theory and practice of "Mechanisms of Neurotransmission", "Neuronal Activity and Functional Parameters", "Usual Techniques in Neuroscience" (10 h/year x teacher).

Teaching Activity in the Department of Biochemistry and Molecular Biology

1995-97, 1999-2000 Sharing practical teaching related to the direction of 4 research projects for students of the last course of the graduation in "Biochemistry". Teaching equivalents for each project: 120 h/2 teacher.

1996-2005 Master in Food Technology (biannual): sharing theory and practice of "Biochemistry of food" (17-20 h/2year x 2 teachers).

2007-8-9-10 Master in Food Technology (annual): theory of "Biochemistry of food" (10 h). Master of Quality (within the best 5 of Spain: http://www.uniovi.es/prensa/edit_new?show_image=2009-06-17-escanear0008.jpg).

2012-13 International Master in Biotechnology of Environment and Health: Course on: "Novel approaches for drug design, diagnostics and biopharmaceuticals" (30h shared with Prof. R.A. Tasker).

2013-16 International Master in Biotechnology of Environment and Health Courses: "Novel approaches for drug design, diagnostics and biopharmaceuticals" and " Toxicokinetics and Toxicodynamics".

Other Teaching Activity

2003-2016 Teaching in the Program for Aging Adults of the University of Oviedo: PUMUO. Two courses: "Exploring the Brain", and "How we weave our ideas" (15 h each/year x 2 teachers).

2004-15 Erasmus Teaching Program: "Past and Present of the mind-body problem" and "Implicit and explicit memories: physiological and pathological mechanisms revisited with new techniques" at the Faculty of Psychology, University "Vita-Salute S. Raffaele", Milan. Italy.

2005-2006 Erasmus Teaching Program: "Past and Present of the mind-body problem" (8 h) at the Faculty of Psychology, University of Cagliari, Italy.

2005-2006 Teaching: "Behavioural and neurological alterations in phycotoxin intoxications" (10 h), in the Ph.D. Program "Science and Technology for Food Quality and Safety" University of Modena e Reggio Emilia, Italy.

2006/7-2007/8 Erasmus Teaching Program: "Behavioural and neurological alterations in phycotoxin intoxications" (8 h), in the Ph.D. Program "Toxicology" University of Cagliari, Italy.

September 2008 Invited Professor (short visit), Department of Experimental Biology, Ph.D. School in Neurosciences and Morphological Sciences. Università degli Studi di Cagliari. Title of the course: "Psychobiology and Theory of Mind".

2008/9-2009/10 Professor on Contract (following public competition) for the course of Psychology and Gerontology (2008/09, 20 h) and Psychology of Aging (2009/10, 20 h)), University Vita Salute San Raffaele, Milan, Italy.

July 2010 Distinguished Lecturer, University of Prince Edward Island, Departments of Psychology and Biology. Title of the lecture: "History and evolution of the mind-brain problem".

May 2011 Invited Professor (short visit)), Department of Toxicology, Faculty of Pharmacy. Università degli Studi di Cagliari. Title of the course: "Molecular mechanisms in Epilepsy".

June 2012 Invited Professor (short visit)), Department of Life Sciences and Environment, Università degli Studi di Cagliari. Title of the course: "Fundamentals of Neuropsychology".