

Curriculum Vitae



Giuseppe Bertini, MD, PhD

Born in New York, NY, USA on October 5, 1963

Married, two children

Current affiliation:

University of Verona, Department of Neuroscience,
Biomedicine, and Movement Science,

Section of Anatomy and Histology

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EDUCATION

February 1991: MD degree with full marks, Catholic University of Rome

July 1997: PhD in Neuroscience, University of Verona, defending a thesis entitled “Neuronal bases of perceptual learning: a model of synaptic plasticity in the adult visual cortex”

SCIENTIFIC EXPERIENCE

1983-1991: Research training at the Institute of Anatomy, Catholic University of Rome, involved in projects on calcium-binding proteins under the supervision of Dr. Fabrizio Michetti.

July-August 1987: Research Assistant at the Waksman Institute of Microbiology, Rutgers University, NJ, in the laboratory directed by Dr. Evelyn Witkin, collaborating to research projects on DNA repair mechanisms of *E. Coli*.

1991-1994: Research fellow in the Laboratory of Neuromorphology of the Institute of Human Anatomy and Histology, University of Verona, directed by Dr. Marina Bentivoglio, collaborating to research projects including studies on nitric oxide synthase-containing cells in the telencephalon and diencephalon, and on the expression of the immediate early gene *c-fos* in the rat brain.

July-August 1992: Visiting Scientist in the Laboratory of Molecular Neurobiology of the Karolinska Institutes (Stockholm, Sweden) directed by Dr. Håkan Persson, collaborating to a research project on the expression of neurotrophins at diencephalic level.

February 1994 - February 1999: Post-doctoral fellow in the Laboratory of Neuropsychology and in the Laboratory of Brain and Cognition at the National Institute of Mental Health, directed by Dr. Leslie Ungerleider, conducting research projects on the neural correlates of visual learning and of attention impairments following cortical lesions in the primate, and collaborating to functional brain imaging and behavioral studies of motor skill learning in humans.

Recipient of 1998 NIH Fellows Award for Research Excellence, for the project: "Perceptual learning of a figure-ground segmentation task: time course and specificity suggest visual cortex plasticity".

July 1994: Visiting scientist at the Laboratory of Neurobiology, Mount Sinai School of Medicine, New York, directed by Dr. John Morrison, collaborating to a research project on the localization of neurochemical markers in the visual cortex of the human and non-human primate brain.

July 1996: Attended the 9th James S. McDonnell Summer Institute in Cognitive Neuroscience, directed by Dr. Michael Gazzaniga at the Dartmouth College and Medical School.

CURRENT POSITION AND ACTIVITY

Assistant professor of histology at the University of Verona. Co-supervision of the Laboratories of Biopotentials and Animal Behavior, and of the Laboratory of Neuromorphology, Department of Neurological, Biomedical, and Movement Sciences, Section of anatomy and Histology.

Active involvement in **funded research projects**, including: "Memory circuits in the medial temporal lobe: signal processing in the neocortical-parahippocampal-hippocampal loop" (PRIN 2005-2007); "Ageing and the biological clock in the brain" (EU 2003-2005); "Disorders of sleep regulation: basic mechanisms and therapeutic perspectives" (EU 2006-2008); "The temporal dimension in functional genomics" (EU 2007-2009); "Biology and clinical staging of trypanosome neuroinvasion in sleeping sickness" (EU 2007-2009); "Functional genomics and neurobiology of epilepsy" (EU 2007-2010); "Prediction of cognitive properties of new drug candidates for neurodegenerative diseases in early clinical development" (EU 2009-2014); "Neural dysfunction and neuroinflammation in African brain disorders" (NIH 2010-2012); "Novel roles for immune molecule signaling in brain networks" (Fondazione San Paolo 2010-2013); "Development and Epilepsy - Strategies for Innovative Research to improve diagnosis, prevention and treatment in children with difficult to treat Epilepsy" (EU, 2013-2018)

Peer-reviewing activity: Brain, Cerebral Cortex, Brain Research, Brain Research Bulletin, Neuroscience, Neurological Sciences, Pharmacological Research.

Organization of scientific meetings: Scientific secretary, 62th National Congress of the Italian Society of Anatomy and Histology (Verona, September 2008); 18th Annual Meeting of the International Society for Behavioural Neuroscience (Verona, June 2011)

Selected invited talks: Claudio Munari Workshop, Milano, 20 October 2005: "The posterior part of the brain"; Claudio Munari Workshop, Nice, 8 November 2007: "From the temporal lobe to the limbic system"; 2nd Sicilian Epilepsy Workshop, Monreale (PA), 22-24 aprile 2010: "The concept of system in neuroanatomy"; Sixth Latin-American Summer School on Epilepsy (LASSE VI), São Paulo, Brasil, 20 February - 1 March, 2011: (1) "Right brain, left brain"; (2) "From sensation to perception: what have we learned from the study of vision"; (3) "Practice makes perfect: neural bases of motor and perceptual learning"; (4) "Pondering decisions: the emerging field of neuroeconomy"; International Society for Intraoperative Neurophysiology Educational Course, Lazise (VR), 15-17 October 2012: "Functional neuroanatomy of the eloquent brain"; Claudio Munari Epilepsy Centre, Stereo-EEG Course, 4 February 2014: "Functional anatomy of the primary motor cortex"; LASSE VIII, São Paulo, Brasil, February 2014: "What do we know about the neurobiology of cognitive decline in "normal" aging and in neurodegenerative diseases?"; 6th European Stereo-EEG Course, Venezia, 4 febbraio 2014: "Functional anatomy of the visual system"; LASSE IX, São Paulo, Brasil, 22 February - 3 March 2015: "The neurobiology of cognitive deficits in the developmental, sleep-related, continuous spike-wave discharge syndrome: investigations in rodent models"

Teaching activity: Lecturer of Histology since 1999. Current courses: Histology and Embryology for medical doctor, doctor of dental surgery, and nursing students; methods of experiment planning and data analysis for PhD students in Neuroscience.

PEER-REVIEWED PUBLICATIONS

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