

Name: Bacci

First name Alberto

Curriculum Vitae

Date and place of birth: 14 March 1969, Milano, Italy

Nationality: Italian

Gender: Male

Personal postal address: Piazza Bernardo Zamagna 6 – 00143 Rome – Italy

Mail: a.bacci@ebri.it; alberto.bacci@gmail.com

Office phone: +39-06-50170-3123

Home phone: +39-06-6452-1917

Cell phone: +39-328-896-6685

Degrees and diplomas:

2000: Ph.D. in Experimental Pharmacology and Therapeutics (Neuroscience), Dept. Medical Pharmacology, University of Milano – Italy. Supervisor: Dr. Michela Matteoli

1994: Masters' Degree in Biological Sciences, University of Milano – Italy (grade: 110/110; Neurophysiology). Thesis supervisor: Dr. Enzo Wanke

1987: Scientific High School Graduation (Maturità Scientifica), Vicenza – Italy

Additional training:

2003-2005: Life Science Research Associate, Department of Neurology and Neurological Sciences, Stanford University School of Medicine, Stanford, California, U.S.A.

1999-2003: Postdoctoral Advanced Training, Dept. Neurology and Neurological Sciences, Stanford University School of Medicine, Stanford, California, U.S.A. Supervisors: Drs. David A. Prince and John R. Huguenard

1997: Neurobiology Course at the Marine Biological Laboratory, Woods Hole, MA, U.S.A.

University teaching responsibilities:

No major teaching responsibilities, other than sporadic lectures and practical courses to undergraduate and graduate students. Average: 9 hours/year. Stanford University Ph.D. program in Neuroscience (boot camp); University of Milano, Italy: Ph.D. program in Pharmacology; University of Insubria, Varese, Italy: Ph.D. program in Neuroscience; European Brain Research Institute: theoretical and practical course of electrophysiology.

Supervision:

During my Ph.D. I supervised several undergraduate students in theoretical and practical experimental work on issues related to my Ph.D. projects. During my postdoctoral training at Stanford University, I supervised several undergraduate and graduate students and taught electrophysiological approaches to brain slices, techniques of cell and slice cultures, immunohistochemistry and anatomy. At the European Brain Research Institute (EBRI) in Rome, I am leading a research team of four postdoctoral fellows and one graduate student. This group is currently expanding.

Scientific prizes and awards:

2008: European Research Council (ERC): Starting Grant.

2007: National Alliance for Research on Schizophrenia and Depression – NARSAD Young Investigator Award

2006: Member of the ENI-NET (European Neuroscience Institute Young Investigator Network)

2006: European Commission: Marie Curie International Reintegration Grant (IRG).

2005: Giovanni Armenise-Harvard Foundation: Career Development Award.

1997: Howard Hughes Medical Institute Scholarship, USA.

1997: Neurobiology Course at the Marine Biological Laboratory, Woods Hole, MA, USA.

1995: Ph.D. Program, University of Milano, Italy: 1st classified.

Referee Activity:

Nature; Nature Neuroscience; Proceedings of the National Academy of Sciences, U.S.A.; The Journal of Neuroscience; Cerebral Cortex; Neuropharmacology; European Journal of Neuroscience; The Journal of Physiology (London); The Journal of Neurophysiology; The Journal of Neurobiology; Neuropharmacology; BioMed Central; Wellcome Trust

Research Experience:

1999- present: Department of Neurology and Neurological Sciences, Stanford University Medical Center, Stanford, CA, USA and European Brain Research Institute, Rome, Italy. Identification of functional self-innervation in a subset of cortical interneurons. Identification of an endocannabinoid receptor-mediated slow-self inhibition in another cortical

Call for Application
Junior and Senior group leaders



interneuron subclass. Studies of the physiological relevance of autaptic GABAergic neurotransmission in spike precision and synchrony of firing between cortical interneurons. Studies of evoked and spontaneous neurotransmission between cortical neurons in slice. Studies of differential inhibition characteristics on different classes of neocortical interneurons. Neuropeptide modulation of GABAergic and glutamatergic neurotransmission in rat neocortical slices on either pyramidal cells or GABAergic interneurons.

1995-1999: C.N.R. - Cellular and Molecular Pharmacology Center - Department of Medical Pharmacology - University of Milano - Italy. Studies of synaptogenesis in hippocampal neurons developing in primary cultures. Study of synaptic vesicle recycling and glutamate release before and after synaptogenesis. Analysis of the structural and functional maturation of pre- and post-synaptic compartments during the establishment of synaptic contacts. Studies on glia-neuron interactions during synaptogenesis and at mature synapses. Studies of glia-neuron interactions during epileptiform activity in hippocampal neurons in culture and in slice.

1992-1995: Department of General Physiology and Biochemistry - Laboratory of Electrophysiology - University of Milano - Italy. Characterization of burst firing in acutely isolated cells from rat neocortex. Patch-clamp current-clamp recordings identifying different firing in different cell populations and voltage-clamp experiments to determine the ionic conductances underlying burst firing.

1989-1992: Department of Developmental Cell Biology - University of Roma "La Sapienza" - Italy. Immunocytochemical studies on primary cultures of muscle cells, motoneurons and DRG neurons.