

Name: Bacci

First name: Alberto

PUBLICATIONS

1. Marinelli S, Pacioni S, Cannich A, Marsicano G, Bacci A. (2009) Self-modulation of neocortical glutamatergic neurons by endocannabinoids. **Nature Neurosci** 12:1488-90
2. Marinelli S, Pacioni S, Bisogno T, Di Marzo V, Prince DA, Huguenard JR, Bacci A. (2008) The endocannabinoid 2-AG is responsible for the slow self inhibition in neocortical interneurons. **J Neurosci** 28:13532-13541
3. Farioli-Vecchioli S, Saraulli D, Costanzi M, Pacioni S, Cinà I, Aceti M, Micheli L, Bacci A, Cestari V, Tirone F. (2008) The timing of differentiation of adult hippocampal neurons is crucial for spatial memory **PLoS Biol.** 6:e246
4. Bacci A, Huguenard JR. (2006) Enhancement of spike precision by autaptic transmission in neocortical inhibitory interneurons. **Neuron** 49:119-30.
5. Bacci A, Huguenard JR, Prince DA. (2005) Modulation of neocortical interneurons: extrinsic influences and exercises in self-control. **Trends in Neurosci.** 28:602-611.
6. Bacci A, Huguenard JR, Prince DA. (2004) Long-lasting self-inhibition of neocortical interneurons mediated by endocannabinoids. **Nature** 431:312-316.
7. Bacci A, Rudolph U, Huguenard JR, Prince DA. (2003) Major differences in inhibitory synaptic transmission onto two neocortical interneuron subclasses. **J. Neurosci.** 23:9664-9674.
8. Bacci A, Huguenard JR, Prince DA (2003) Functional autaptic neurotransmission in fast-spiking interneurons: a novel form of feedback inhibition in the neocortex. **J. Neurosci.** 23: 859-66.
9. Bacci A, Huguenard JR, Prince DA (2002) Differential modulation of synaptic transmission by neuropeptide Y in rat neocortical neurons. **Proc. Natl. Acad. Sci. (U.S.A.)** 99: 17125-30.
10. Bacci A, Verderio C, Sancini G, Fesce R, Franceschetti S, Matteoli M (2002) Block of glutamate-glutamine cycle between astrocytes and neurons inhibits epileptiform activity in hippocampus **J. Neurophysiol.** 88: 2302-10.
11. Kumar SS, Bacci A, Kharazia V, Huguenard JR. (2002) A developmental switch of AMPA receptor subunits in neocortical pyramidal neurons. **J Neurosci.** 22:3005-15.
12. Armano S, Coco S, Bacci A, Pravettoni E, Schenk U, Verderio C, Varoqui H, Erickson JD, Matteoli M. (2002) Localization and functional relevance of system a neutral amino acid transporters in cultured hippocampal neurons. **J Biol Chem.** 277:10467-73.
13. Bacci A, Coco S, Pravettoni E, Schenk U, Armano S, Frassoni C, Verderio C, De Camilli P, Matteoli M. (2001) Chronic blockade of glutamate receptors enhances presynaptic release and downregulates the interaction between synaptophysin-synaptobrevin-vesicle-associated membrane protein 2. **J Neurosci.** 21:6588-96.
14. Pravettoni E, Bacci A, Coco S, Forbicini P, Matteoli M, Verderio C. (2000) Different localizations and functions of L-type and N-type calcium channels during development of hippocampal neurons. **Dev. Biol.** 227:581-94.
15. Verderio C, Coco S, Pravettoni E, Bacci A, Matteoli M. (1999) Synaptogenesis in hippocampal cultures. **Cell Mol Life Sci.** 55:1448-62.
16. Verderio C, Bacci A, Coco S, Pravettoni E, Fumagalli G, Matteoli M. (1999) Astrocytes are required for the oscillatory activity in cultured hippocampal neurons. **Eur J Neurosci.** 11:2793-800.
17. Verderio C, Coco S, Bacci A, Rossetto O, De Camilli P, Montecucco C, Matteoli M. (1999) Tetanus toxin blocks the exocytosis of synaptic vesicles clustered at synapses but not of synaptic vesicles in isolated axons. **J Neurosci.** 19:6723-32.
18. Bacci A, Verderio C, Pravettoni E, Matteoli M. (1999) The role of glial cells in synaptic function. **Philos Trans R Soc Lond B Biol Sci.** 354:403-9.
19. Bacci A, Verderio C, Pravettoni E, Matteoli M. (1999) Synaptic and intrinsic mechanisms shape synchronous oscillations in hippocampal neurons in culture. **Eur J Neurosci.** 11:389-97.
20. Guatteo E, Franceschetti S, Bacci A, Avanzini G, Wanke E. (1996) A TTX-sensitive conductance underlying burst firing in isolated pyramidal neurons from rat neocortex. **Brain Res.** 741:1-12.
21. Guatteo E, Bacci A, Franceschetti S, Avanzini G, Wanke E. (1994) Neurons dissociated from neocortex fire with 'burst' and 'regular' trains of spikes. **Neurosci Lett.** 175:117-20.

Invited Lectures:

- December 2009: University of Trento, Italy
- November 2009: Freie Universität, Berlin, Germany
- September 2009: University of Geneva, Switzerland
- June 2009: Italian Institute of Technology (IIT), Genova, Italy
- June 2009: Karolinska Institutet, Stockholm, Sweden
- May 2009: European Neuroscience Institute (ENI)-NET Final Meeting, Crete, Greece
- March 2009: University of Padova, Italy
- November 2008: Workshop: Discover FP7: EU Funding Opportunities in Brain Research – Society for Neuroscience Meeting, Nov. 15-19 2008, Washington DC, USA
- September 2008: MRC Anatomical Neuropharmacology Unit; Department of Pharmacology, University of Oxford, UK
- June 2008: European Molecular Biology Laboratory (EMBL) Monterotondo, Italy
- June 2008: Université Bordeaux 2, France
- May 2008: European Neuroscience Institute (ENI)-NET Annual Meeting, Warsaw, Poland
- February 2008: University of Bern, Switzerland
- February 2008: Brain and Mind Institute, Lausanne, Switzerland.
- January 2008: University of Insubria, Varese, Italy
- September 2007: Gordon Research Conference (Data Blitz), Les Diablerets, Switzerland
- December 2006: European Neuroscience Institute (ENI)-NET Christmas Meeting, Sevilla, Spain.
- May 2006: Symposium Young European Neuroscientists. European Neuroscience Institute (ENI) Goettingen, Germany.
- July 2005: Gordon Research Conference, Lewiston, Maine, U.S.A.
- December 2004: European Brain Research Institute, Rome, Italy
- May 2004: Stanford Brain Research Institute; Second Annual Neuroscience Research Conference Retreat, Pacific Grove, California, U.S.A.
- February 2003: Applied Biosystems, Foster City, California, U.S.A.
- July 2001: CNR, Cellular and Molecular Pharmacology Center, University of Milano, Italy.
- April 2000: Epilepsy Program Quarterly Conference, Dept. Neurology, Stanford University, Stanford, California, U.S.A.
- August 1999: Stanford University, Stanford, California, U.S.A.
- December 1998: IRCCS Santa Lucia, University of Roma, Italy
- January 1998: Max Plank Institut, Tübingen, Germany.
- September 1997: VII Congresso Nazionale della Società Italiana di Neuroscienze; Brescia, Italy.
- April 1995: Riunione Primavera Società Italiana di Fisiologia; Firenze, Italy.