

CURRICULUM VITAE

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Education

- 10/93-06/97 Ph.D. (Dr. rer. nat.), Humboldt University Berlin/Max-Delbrueck Center for Molecular Medicine (Thesis Advisor: Prof. Helmut Kettenmann)
- 09/88-06/93 Degree in Biology, Aristotle University of Thessaloniki

Positions Held / Research Experience

- 01/11-σήμερα **Lecturer in Neurophysiology of the Central Nervous System**, Department of Biological Applications, University of Ioannina
- 06/03-01/11 **Postdoctoral Scientist**, Cellular and Molecular Neurosciences, Institut universitaire en sante mentale de Quebec, Canada
- 05/01-05/03 **Associate Research Scientist**, Dept. of Physiology and Cellular Biophysics, Columbia University, New York.
- 04/98-04/01 **Post-doctoral Scientist**, Dept. of Physiology and Cellular Biophysics, Columbia University, New York.
- 10/92-03/93 **Research exchange student**, ERASMUS Program , Institut for Zoologie, Georg-August Universitat Gottingen

Publications

Peer Reviewed Articles:

Total: **15**, h-index: **12**, Citations: **323**

1. Bonin, R., **Labrakakis, C.**, Eng, D.G., Whissell, P.D., De Koninck, Y. and Orser, B.A. (2011) Pharmacological enhancement of δ -subunit-containing GABA_A receptors that generate a tonic inhibitory conductance in spinal neurons attenuates acute nociception in mice. *Pain* 152:1317-1326
2. **Labrakakis, C.**, Lorenzo, L.E., Ribeiro-da-Silva, A. and De Koninck, Y. (2009) Inhibitory coupling between inhibitory interneurons in the spinal cord dorsal horn. *Molecular Pain*, 5:24 doi:10.1186/1744-8069-5-24
3. Lee C.J., **Labrakakis C.**, Joseph D.J. and MacDermott A.B. (2004) Functional similarities and differences of AMPA and kainate receptors expressed by cultured rat sensory neurons. *Neuroscience*, 129: 35-48
4. Gaitanaki C., **Labrakakis C.**, Papazafiri P., Beis I. (2004) Various divalent cations protect the isolated perfused pigeon heart against a calcium paradox. *J Comp Physiol [B]* 174(5): 371-82
5. ***Labrakakis, C.** and MacDermott, A.B. (2003) Neurokinin receptor 1-expressing spinal cord neurons in lamina I and III/IV of postnatal rats receive inputs from capsaicin sensitive fibers. *Neurosci Lett.* 352: 121-124, ***Corresponding author**
6. ***Labrakakis C.**, Tong, C.K., Weissman T., Torsney, C. and MacDermott, A.B, (2003) Localization and function of ATP and GABAA receptors expressed by nociceptors and other postnatal sensory neurons in rat. *J. Physiol (London)* 549: 131-142. ***Corresponding author**
7. ***Labrakakis, C.**, Gerstner, E. and MacDermott A.B. (2000) Adenosine triphosphate-evoked currents in cultured dorsal root ganglion neurons obtained from rat embryos: Desensitization kinetics and modulation of glutamate release. *Neuroscience* 101: (4) 1117-1126. ***Corresponding author**
8. **Labrakakis, C.**, Patt, S., Hartmann, J. and Kettenmann, H. (1998b) Glutamate receptor activation can trigger electrical activity in human glioma cells. *Eur. J. Neurosci.*, 10: 2153-2162
9. **Labrakakis, C.**, Patt, S., Hartmann, J. and Kettenmann, H. (1998a) Functional GABAA receptors on human glioma cells. *Eur. J. Neurosci.*, 10: 231-238.
10. **Labrakakis, C.**, Müller, T., Schmidt, K. and Kettenmann, H. (1997). GABAA receptor activation triggers a Cl⁻ conductance increase and a K⁺ channel blockade in cerebellar granule cells. *Neuroscience*, 79: 177-189
11. Schmidt, C., Ohlemeyer, C., **Labrakakis, C.**, Walter, T. and Schnitzer J. (1997). Analysis of motile oligodendrocyte precursor cells in vitro and in brain slices. *Glia*, 20: 284-298.
12. Weydt, P., Moller, T., **Labrakakis, C.**, Patt, S., and Kettenmann, H. (1997) Neuroligand-triggered calcium signaling in cultured human glioma cells. *Neurosci. Lett.*, 228: 91-94.
13. **Labrakakis C.**, Patt, S., Weydt, P., Cervos-Navarro, J., Meyer, R. and Kettenmann, H. (1997) Action potential-generating cells in human glioblastomas. *J. Neuropath. Exp. Neurol.*, 56: 243-254

14. Patt S., **Labrakakis C.**, Bernstein M., Weydt P., Cervos-Navarro J., Nisch G. and Kettenmann H. (1996) Neuron-like physiological properties of cells from human oligodendroglial tumors *Neuroscience* 71: (2) 601-611

15. Patt, S., Schmidt, H., **Labrakakis, C.**, Weydt, P., Fritsch, M., Cervos-Navarro, J. and Kettenmann, H. (1996) Human central neurocytoma cells show neuronal physiological properties in vitro. *Acta Neuropathol.* 91: 209-214.

Chapters :

16.* **Labrakakis C.**, Ferrini F. and De Koninck Y. Mechanisms of plasticity of inhibition in chronic pain conditions. In “ **Inhibitory Synaptic Plasticity**”, Woodin M.A. and Maffei A. (Eds). Springer-Verlag, New York, 2011. ***Corresponding author**

Abstracts (last 5 years)

Mikroulis A, **Labrakakis C** and Psarropoulou C (2012). Comparison of endogenous-Ach-mediated interictal-discharge modulation in 4-AP and Mg-free models, along the septotemporal hippocampal axis and following early-life status epilepticus. *The 8th FENS Forum of Neuroscience., Barcelona.*

Bonin RP, **Labrakakis C**, Whissell PD, De Koninck Y and Orser BA.(2010). Spinal dorsal horn δ subunit-containing GABAA receptors regulate neuronal excitability and nociception in mice. *IASP 13th World Congress on Pain, Montreal, Canada*

Labrakakis C., Lorenzo L.E., Ribeiro-da-Silva A and De Koninck Y (2008). Differential GABAA receptor kinetics in GAD65+ expressing interneurons in the dorsal horn. *IASP 12th World Congress on Pain, Glasgow, UK*

Grants and Awards

2008 Travel Scholarship, International Association for the Study of Pain

2004-2006 Postdoctoral Fellowship, **Canadian Institutes of Health Research (CIHR)**

2013 Thalys Program: The role of dopamine in neuronal plasticity and learning and memory in rats, in models of dopamine deficiency and in Parkinsons disease patients (PI: Prof. Angelatou)

Summer School Participation

18-22/06/2007 Canadian Institutes of Health Research **Pain: Molecules to Community** - Summer School, Ontario

4-7/06/2007 **Frontiers in Neurophotonics** International Summer School, Quebec