

BIOGRAPHICAL SKETCH

Kyriaki Sidiropoulou

Name: <i>[Last, First, Middle Initial(s), Degree(s)]</i> Kyriaki Sidiropoulou, Ph.D. Personal Webpage: http://www.sidiropouloulab.com	POSITION TITLE: Assistant Professor of Neurophysiology
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EDUCATION /TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Southern Illinois University at Carbondale	B.A.	06/1998	Microbiology and Physiology
Rosalind Franklin University of Health and Sciences/The Chicago Medical School	Ph.D.	06/2003	Neuroscience
Faculty of Medicine, University of Crete	Post-doctoral fellow	06/2005	Neuropharmacology
Institute of Molecular Biology and Biotechnology-Foundation for Research and Technology-Hellas	Post-doctoral fellow	3/2012	Computational Neuroscience

A. ACADEMIC AND PROFESSIONAL POSITIONS**POSITIONS HELD**

- Assistant Professor in Neurophysiology, Department of Biology, University of Crete (2014-present)
- NARSAD young investigator award (2013)
- Empirikio research award (2013)
- Lecturer in Neurophysiology, Department of Biology, University of Crete (2012-2014)
- Marie Curie Fellow, IMBB-FORTH and UCLA (2010-2012)

ADVISORY-ADMINISTRATIVE DUTIES

- Member of the undergraduate studies committee (2015-present)
- Member of the governing committee of the Molecular Biology and Biotechnology master's program (2015-present)
- Member of the governing committee of the Management of Environmental Resources master's program (2015-present)
- Hellenic Neuroscience Association, elected treasurer (205-2017)

B. RESEARCH INTERESTS

The research interests of the Sidiropoulou laboratory focus on understanding the cellular and physiological mechanisms within the brain reward system that underlie cognitive and emotional function, in three different but inter-related states: a) during postnatal development, b) following exposure to memory tasks and c) in animal models of neuropsychiatric disorders.

C. SELECTED PEER-REVIEWED PUBLICATIONS (max 10) (in chronological order).

1. V. Nikelotopoulou, **K. Sidiropoulou**, Y. Dalezios and N. Tavernarakis, BDNF regulates autophagy in the adult brain to coordinate metabolic status and adaptive behavior (2017), *Cell Metabolism*, Jul 5;26(1):230-242.e5. doi: 10.1016/j.cmet.2017.06.005
2. E. Georgiou, **K. Sidiropoulou**, J. Richter, C. Papaneophytou, I. Sargiannidou, A. Kagiava, G. von Jonquieres, C. Christodoulou, M. Klugmann, K. Kleopas (2017) Gene therapy targeting oligodendrocytes provides therapeutic benefit in a leukodystrophy model, *Brain*, Jan 18. pii: aww351. doi: 10.1093/brain/aww351
3. X. Konstantoudaki, K. Chalkiadaki, S. Tivodar, D. Karagogeos and **K. Sidiropoulou** (2016) Impaired synaptic plasticity in the prefrontal cortex of mice with developmentally decreased numbers of interneurons, *Neuroscience*. 2016 Feb 26. pii: S0306-4522(16)00188-3. doi: 10.1016/j.neuroscience.2016.02.048.
4. P. Efstathopoulos, A. Kourgiantaki, K. Karali, **K. Sidiropoulou**, A.N. Margioris, A.Gravanis and I. Charalampopoulos (2015) Fingolimod induces neurogenesis in adult mouse hippocampus and improves contextual fear memory, *Translational Psychiatry*, Nov 24;5:e685. doi: 10.1038/tp.2015.179.
5. X. Konstantoudaki, A. Papoutsis, K. Chalkiadaki, P. Poirazi and **K. Sidiropoulou** (2014) Modulatory effects of inhibition in a cortical microcircuit model, *Frontiers in Neural Circuits*, 8:7. doi: 10.3389/fncir.2014.00007.
6. **K. Sidiropoulou** and P. Poirazi (2012) Predictive features of persistent activity emergence in regular spiking and intrinsic bursting model neurons, *PLoS Comput Biol*, 8(4):e1002489.
7. C. Shilyansky, K.H. Karlsgodt, D. Cummings, **K. Sidiropoulou**, M. Hardt, A.S. James, D. Ehninger, C.E. Bearden, P. Poirazi, J.D. Jentsch, T.D. Cannon, M.S. Levine, A.J. Silva (2010) Neurofibromin Regulates Corticostriatal Inhibitory Networks During Working Memory Performance, *PNAS*, 107(29):13141-6.
8. **K. Sidiropoulou**, E.D. Ozkan, M. Fowler, F.J. White, C. Philips, and D.C. Cooper (2009) Dopamine modulates an mGluR5-induced depolarization underlying prefrontal persistent activity, *Nature Neuroscience*, 2009, 12(2): 190-199
9. M.A. Fowler, **K. Sidiropoulou**, E.D. Ozkan, C.W. Phillips, and D.C. Cooper (2006) Corticolimbic expression of TRPC4 and TRPC5 channels in the rodent brain is associated with an action potential burst-induced delayed afterdepolarization, *Plos One*, 2007 Jun 27; 2(6): e573.
10. C. McClung, **K. Sidiropoulou**, M.H. Vitaterna, J.S. Takahashi, and F.J. White, and D.C. Cooper, E.J. Nestler (2005) Regulation of Dopaminergic Transmission and Cocaine Reward by the Clock Gene, *PNAS*, 102 (26): 9377-9381.