

Kyriaki Sidiropoulou
Complete list of publications

1. V. Nikelotopoulou, **K. Sidiropoulou**, Y. Dalezios and N. Tavernarakis, BDNF regulates autophagy in the adult brain to coordinate metabolic status and adaptive behavior, **Cell Metabolism, accepted**
2. D.P. Ryan, K.S. Henzel, B.L. Pearson, M.E. Siwek, A. Papazoglou, K. Paesler, R. Müller, K. Xie, S. Schröder, L. Becker, L. Garrett, S.M. Hölter, F. Neff, I. Rácz, B. Rathkolb, J. Rozman, G. Ehninger, M. Klingenspor, T. Klopstock, E. Wolf, W. Wurst, A. Zimmer, H. Fuchs, V. Gailus-Durner, M.H. de Angelis, **K. Sidiropoulou**, M. Weiergräber, and D. Ehninger, A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice, **Molecular Psychiatry**, Apr 4. doi: 10.1038/mp.2017.53. [Epub ahead of print]
3. I. Sotiriou, K. Chalkiadaki, N. Christos, **K. Sidiropoulou** and E. Chatzaki (2017), Pharmacotherapy in smoking cessation: Corticotropin Releasing Factor receptors as emerging intervention targets, **Neuropeptides**, 2017 Feb 14. pii: S0143-4179(16)30137-8. doi: 10.1016/j.npep.2017.02.082.
4. E. Georgiou, **K. Sidiropoulou**, J. Richter, C. Papanephytou, 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
5. 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.
6. 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.
7. A. Papoutsis, **K. Sidiropoulou** and P. Poirazi (2014) Dendritic nonlinearities reduce network size requirements and mediate ON and OFF states of persistent activity in a PFC microcircuit model, *PLoS Comput Biol*; 10(7): e1003764. doi: 10.1371/journal.pcbi.1003764
8. 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.
9. A. Papoutsis, **K. Sidiropoulou**, V. Cutsuridis and P. Poirazi (2013) Induction and modulation of persistent activity in a layer V PFC microcircuit model, *Frontiers in Neural Circuits*, 7:161, doi: 10.3389/fncir.2013.00161.
10. **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.
11. E.K. Pissadaki, **K. Sidiropoulou**, M. Rezeko, P. Poirazi (2010) Encoding of spatio-temporal input characteristics by a CA1 pyramidal neuron model, *PLoS Comput Biol*. 16; 6(12):e1001038.
12. 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.
13. **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

14. L. Liebmann, H. Karst, **K. Sidiropoulou**, N. van Gemert, O.C. Meijer, P. Poirazi, and Marian Joëls, Differential effects of corticosterone on the sAHP in the basolateral amygdala and CA1 region: Possible role of calcium channel subunits, *J Neurophysiol*, 2008 Feb; 99(2):958-68.
15. 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.
16. **K. Sidiropoulou**, M. Joels and P. Poirazi (2006) Modeling stress-induced adaptations in Ca^{++} dynamics, *Neurocomputing*, doi:10.1016 /j.neucom.2006.10.068
17. **K. Sidiropoulou**, E. K. Pissadaki, and P. Poirazi (2006) Modeling single neuron computations, *EMBO reports*, 7(9): 880-885.
18. 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.
19. F.J. Nasif, **K. Sidiropoulou**, H-T Hu, and F.J. White (2004), Repeated Cocaine Administration Increases Membrane Excitability of Pyramidal Neurons in the Rat Medial Prefrontal Cortex, *JPET*, 312: 1305-1313.
20. **K. Sidiropoulou**, S. Chao, W.-X. Lu, and M.E. Wolf (2001), Amphetamine administration does not alter protein levels of the GLT-1 and EAAC1 glutamate transporter subtypes in rat midbrain, nucleus accumbens, striatum, or prefrontal cortex. *Molecular Brain Res.*, 90:187-192.