

## **AG Behr - Cellular and molecular Neurophysiology**

### ***Top Publications:***

**Fidzinski, P., Shor, O., and Behr, J.** Cell-specific threshold for the induction of bidirectional synaptic plasticity at hippocampal output synapses, *Eur. J. Neurosci.*, 27(5):1111-8, 2008.

**Wozny, C., Maier, N., Schmitz, D., and Behr, J.** Two different forms of long-term potentiation at CA1-subiculum synapses, *J. Physiol.*, 586 (11):2725-34, 2008.

**Knopp, A., Frahm, C., Fidzinski, P., Witte, O.W., and Behr, J.** Loss of GABAergic neurons in the subiculum and its functional implications in temporal lobe epilepsy, *Brain*, 2008 May 26, *Epub ahead of print*.

**Knopp, A., Kivi, A., Wozny, C., Heinemann, U., and Behr, J.** Cellular and network properties of the subiculum in the pilocarpine-model of temporal lobe epilepsy. *J. Comp. Neurol.*, 483: 476-488, 2005.

**Wozny, C., Gabriel, S., Jandova, K., Schulze, K., Heinemann, U., and Behr, J.** Entorhinal cortex entrains epileptiform activity in CA1 in pilocarpine-treated rats. *Neurobiol. Dis.*, 19(3):451-60, 2005.

**Solger, J., Wozny, C., Denise Manahan-Vaughan, and Behr, J.** Distinct mechanisms of bidirectional activity-dependent synaptic plasticity in superficial and deep layers of rat entorhinal cortex. *Eur. J. Neurosci.*, 19: 2003-7, 2004.

**Wozny, C., Kivi, A., Lehmann, T. N., Dehnicke, C., Heinemann, U., and Behr, J.** Comment on "On the origin of interictal activity in human temporal lobe epilepsy in vitro". *Science*, 301(5632): 463, 2003.