

AG Albrecht - Plasticity in the amygdala Research Group

- Albrecht, D., Nitschke, T., von Bohlen und Halbach, O. Effects of angiotensin II on the discharge rate of amygdaloid neurons in normotensive, Sprague-Dawley and hypertensive, transgenic rats. *FASEB J.* 14: 925-931, 2000.
- Kaschel, T., Schubert, M. and Albrecht, D. Long-term depression in horizontal slices of the lateral amygdala. *Synapse*, 53: 141-150, 2004.
- Hellner, K., Walther, T., Schubert, M. and Albrecht, D. Angiotensin-(1-7) enhances LTP in hippocampus that is mediated through the G protein-coupled receptor Mas. *Mol. Cell. Neurosci.* 29: 427-435, 2005.
- Stephens, D.N., Ripley, T.L., Borlikova, G., Schubert, M., Albrecht, D., Hogarth, L. and Duka, T. Repeated ethanol exposure and withdrawal impairs human fear conditioning and depresses long term potentiation in rat amygdala and hippocampus. *Biol. Psychiatr.* 58: 392-400, 2005.
- Schubert, M., Siegmund, H., Pape, H.-C. and Albrecht, D. Kindling-induced changes in plasticity of the rat amygdala and hippocampus. *Learning and Memory* 12: 520-526, 2005.
- Drephal, C., Schubert, M. and Albrecht, D. Input-specific long-term potentiation in the rat lateral amygdala of horizontal slices. *Neurobiology of Learning and Memory.* 85: 272-282, 2006.
- Albrecht, D. Angiotensin-(1-7)-induced plasticity changes in the lateral amygdala are mediated by COX-2 and NO. *Learning & Memory* 14:177-184, 2007.
- Schubert, M. and Albrecht, D. Activation of kainate GLU_{K5} transmission rescues kindling-induced impairment of LTP in the rat lateral amygdala. *Neuropsychopharmacol.* 33, 2524-2535, 2008
- Schubert, M., Drephal, C. and Albrecht, D. Gender-dependent ATPA-induced changes in long-term potentiation in the rat lateral amygdala. *FASEB J.* 22: 1268-1274, 2008
- Müller, T. and Albrecht, D. Both NR2A and NR2B subunits of the NMDA receptor are critical for long-term potentiation and long-term depression in the lateral amygdala of horizontal slices of adult mice. *Learning & Memory* 16: 395-405, 2009

Buchkapitel und Übersichtsarbeiten

- von Bohlen und Halbach, O. and Albrecht, D. The CNS renin-angiotensin system. *Cell Tissue Res.* 326: 599-616, 2006.
- Albrecht, D. and von Bohlen und Halbach, O. Cellular cognition: A focus on LTP and LTD in the lateral nucleus of the amygdala.. In: *Synaptic Plasticity: New Research*, Eds: T.F. Kaiser and F.J. Peters, Nova Science Publishers, Inc., 2008, pp: 271-311.
- Albrecht, D. Physiological and pathophysiological functions of different angiotensins in the brain. *Brit. J. Pharmacol.*, 159: 1392-1401, 2010