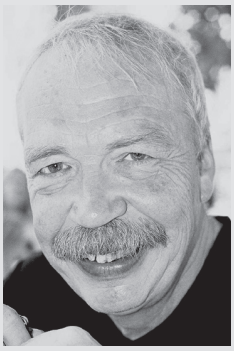
Uwe Heinemann

Charité - Universitätsmedizin Berlin
Institute of Neurophysiology
Charitéplatz 1 | D-10117 Berlin
Phone: +49 (0)30 450-528091
E-mail: uwe.heinemann@charite.de



Curriculum vitae

since 2008	Coordinator, Research Training Group (GRK 1123, together with D. Schmitz)
2006 – 2010	Co-Director, NeuroCure Cluster of Excellence
1999 – 2005	Chairman, Neuroscience Research Center, Charité
since 1993	Professor, Neurophysiology, Charité
1986 – 1993	Professor (C3), Physiology and Pathophysiology, University of Cologne
1982 – 1986	Heisenberg fellow
1971 – 1981	Postdoc, MPI Psychiatry, Munich
1968 – 1971	Doctoral studies, dissertation and training in Experimental Psychology, Oxford
1964 – 1970	Medical studies, Ludwig-Maximilians-University, Munich

Research fields

Our group is active in the field of experimental neurophysiology, with the following major areas:

- Cellular mechanisms of learning and memory consolidation
- Disease-related disturbance in memory formation and recall (Mesial temporal lobe epilepsy, and models of psychosis and depression)
- Mechanisms of epileptogenesis and pharmacoresistance
- Neuronal metabolism and ion homeostasis

Activities in the scientific community, honors, awards

2008	European Epilepsy Award
2007	Associate editor, J Neuroscience
2007 – 2011	Vice Head, Neuroscience Panel, German Research Foundation (DFG)
2003 – 2011	Member, Neuroscience Panel, German Research Foundation (DFG)
2006 – 2009	Head, Financial Committee, Charité
1995 – 2009	Member, Faculty Assembly, Charité
1994 – 1998	Vice Dean and Dean for teaching
1992	Scientific Award for Basic Research, American Epilepsy Society
1989	Ambassador of Epilepsy Award, International Epilepsy Office
1988	Alfred Hauptmann Prize for Epilepsy Research
since 1979	Member of Steering Committees, Collaborative Research Centers (SFB) 200, 220, 400, 507, 515, TR3
1987 – 1988	Member and administrative Head, Medical Faculty Committee “600 Years”, University of Cologne
1978 / 1987	Michael Prize for Epilepsy Research

Selected publications

Ul Haq, R, Liotta, A, Kovacs, R, Rosler, A, Jarosch, MJ, Heinemann, U and Behrens, CJ. Adrenergic modulation of sharp wave-ripple activity in rat hippocampal slices. Hippocampus. 2011.

Boehlen, A, Heinemann, U and Erchova, I. The range of intrinsic frequencies represented by medial entorhinal cortex stellate cells extends with age. J Neurosci. 2010; 30, 4585-9.

Kovacs, R, Rabanus, A, Otahal, J, Patzak, A, Kardos, J, Albus, K, Heinemann, U and Kann, O. Endogenous nitric oxide is a key promoting factor for initiation of seizure-like events in hippocampal and entorhinal cortex slices. J Neurosci. 2009; 29, 8565-77.

Cacheaux, LP, Ivens, S, David, Y, Lakhter, AJ, Bar-Klein, G, Shapira, M, Heinemann, U, Friedman, A and Kaufer, D. Transcriptome profiling reveals TGF-beta signaling involvement in epileptogenesis. J Neurosci. 2009; 29, 8927-35.

Loscher, W, Gernert, M and Heinemann, U. Cell and gene therapies in epilepsy--promising avenues or blind alleys? Trends Neurosci. 2008; 31, 62-73.

Ivens, S, Kaufer, D, Flores, LP, Bechmann, I, Zumsteg, D, Tomkins, O, Seiffert, E, Heinemann, U and Friedman, A. TGF-beta receptor-mediated albumin uptake into astrocytes is involved in neocortical epileptogenesis. Brain. 2007; 130, 535-47.

Dugladze, T, Vida, I, Tort, AB, Gross, A, Otahal, J, Heinemann, U, Kopell, NJ and Gloveli, T. Impaired hippocampal rhythmogenesis in a mouse model of mesial temporal lobe epilepsy. Proc Natl Acad Sci U S A. 2007; 104, 17530-5.

Jandova, K, Pasler, D, Antonio, LL, Raue, C, Ji, S, Njunting, M, Kann, O, Kovacs, R, Meencke, HJ, Cavalheiro, EA, Heinemann, U, Gabriel, S and Lehmann, TN. Carbamazepine-resistance in the epileptic dentate gyrus of human hippocampal slices. Brain. 2006; 129, 3290-306.

Meier, JC, Henneberger, C, Melnick, I, Racca, C, Harvey, RJ, Heinemann, U, Schmieden, V and Grantyn, R, RNA editing produces glycine receptor alpha3(P185L), resulting in high agonist potency. Nat Neurosci. 2005; 8, 736-44.

Behrens, CJ, van den Boom, LP, de Hoz, L, Friedman, A and Heinemann, U. Induction of sharp wave-ripple complexes in vitro and reorganization of hippocampal networks. Nat Neurosci. 2005; 8, 1560-7.