

Tuesday, 5th December 2006, 16:00 h

DKFZ Heidelberg, Auditorium, Communication Center

Leica Scientific Forum Heidelberg

# Advances in Life Science

Prof. Dr. Erwin Neher  
Max-Planck-Institute for  
Biophysical Chemistry in Göttingen

## "A Biophysical Dissection of Neurotransmitter Release"

5th December 2006

**16:00** Opening by Prof. Dr. Jürgen Wolfrum, Institute of Physical Chemistry, University of Heidelberg

**16:20** Prof. Dr. Erwin Neher will talk about the biophysical dissection of neurotransmitter release covering the aspects

- control of transmitter release by  $Ca^{++}$  and cAMP
- rate limiting steps in vesicle recruitment
- short-term synaptic plasticity
- mechanisms of modulation of neurotransmitter release

**17:30** Discussion

**18:00** Get together – with snacks and drinks

**Scientific Advisory Board:** Prof. Winfried Denk (MPI), Prof. Roland Eils (DKFZ), Prof. Stefan Hell (MPI/DKFZ), Dr. Rainer Pepperkok (EMBL), Dr. Thomas Zapf (Leica)

**For free registration please contact:** Andrea Maier at Leica Microsystems,  
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