



Einladung

zum Vortrag im Rahmen des Forschungscolloquiums Neurosensorik

Freitag, 16. Mai 2008, 14:00 Uhr

Ort: Carl von Ossietzky Universität Oldenburg, Campus Wechloy,
Carl-von-Ossietzky-Str. 9-11, 26111 Oldenburg
Raum: W2-1-143

und

Raum G26.1 – 010, Rechenzentrum der Universität Magdeburg
(per Videokonferenz)

Prof. Eckhard Friauf

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Maturation of microcircuitry and synaptic transmission in the mammalian auditory brainstem

The lateral superior olive is a conspicuous nucleus in the mammalian auditory brainstem. Its neurons receive excitatory (glutamatergic) and inhibitory (GABAergic) inputs which are highly topographic and converge through anatomically distinct pathways. These features have made the lateral superior olive an excellent system for analyzing the maturation of synaptic connectivity and transmission, particularly during the inhibitory pathway. In the first part of this talk, I will provide a general overview of the dynamic changes and plasticity phenomena occurring while the microcircuitry is established. Then, I will present specific results about the function of chloride transporters and the role of voltage-gated calcium channels during the maturation of the inhibitory pathway.

HörerInnen aller Institute sind herzlich willkommen