

Neuroscience Colloquium Winter Semester 2011/2012

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In vivo functional properties of juxtglomerular neurons of the mouse olfactory bulb

Location: BCCN lecture theater,
Bernstein Center for Computational Neuroscience
Humboldt-Universität zu Berlin
Philippstr. 13, Haus 6

Date: Friday, January 27, 4:00 p.m.

Host: Friedrich Jochenning

Juxtglomerular neurons represent one of the largest cellular populations in the mammalian olfactory bulb. Moreover, they belong to a very few neuronal subtypes which are continuously generated in the adult mammalian brain. In my talk I am going to share our recent results addressing the basic in vivo properties of juxtglomerular neurons, their odor responsiveness and their putative role for signal processing in the olfactory bulb. Furthermore, I will talk about integration of adult-born juxtglomerular neurons into the preexisting neuronal network and the role of sensory inputs in this process.

The Neuroscience Colloquium is supported by:

SFB 665 "Developmental Disturbances in the Nervous System";

GRK 1123 "Cellular Mechanisms of Learning and Memory Consolidation in the Hippocampal Formation";

SFB-TRR 43 "The Brain as a Target of Inflammatory Processes";

Cluster of Excellence **NeuroCure**.

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