

Neuroscience Colloquium

Winter Semester 2018/2019

Lectures are held Thursdays, **5 p.m.**

Venue: Paul-Ehrlich Lecturehall, Virchowweg 4, next to CCO

Alain Prochiantz

COLLÈGE DE FRANCE,
CENTER FOR INTERDISCIPLINARY RESEARCH IN BIOLOGY,
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Otx2, a traveling transcription factor that regulates cerebral cortex plasticity

Transfer of OTX2, a homeoprotein transcription factor, from extra-cortical sources (e.g. the choroid plexus) to cerebral cortex Parvalbumine interneurons controls the opening and closure of developmental plasticity critical periods. Maintenance of a non-plastic state requires permanent OTX2 import and decreasing this process reopens plasticity in the adult. Genetic evidence for non-cell autonomous OTX2 activity will be presented, in parallel with the demonstration that reopening plasticity in the adult can restore neurological disease of developmental origin.

Location: Paul Ehrlich-Hörsaal,
Charité – Universitätsmedizin Berlin, Campus Mitte
Virchowweg 4, next to CCO

Date: Thursday, **November 29th**, 5 p.m.

Host: Britta Eickholt

Neuroscience Colloquium is supported by:
DZNE e.V. German Center for Neurodegenerative Diseases;
Einstein Center for Neurosciences Berlin; Cluster of Excellence **NeuroCure**; **SFB 1315**.
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