Neues Denken. Neue Materialien.

INM-KOLLOQUIUM

"ENGINEERING NEUROGENESIS FOR THE POSTNATAL BRAIN"

Prof. Dr. Benedikt Berninger
King's College London, UK

Montag, 20.08.2018, 11.00 Uhr

INM, Leibniz-Saal, Campus D2 5
Gastgeberin: Prof. Dr. Aránzazu del Campo

We explore the possibilities of generating neurons where natural neurogenesis has ceased to occur, such as the postnatal or adult cerebral cortex. The approach we have taken is of lineage reprogramming glia or other brain-resident cells into induced neurons. Towards this end, we force the expression of developmentally relevant transcription factors to induce a neurogenic program. Here, I will discuss our efforts (1) to induce neurogenesis from glial cells in the postnatal mouse cortex in vivo, and (2) to decipher the molecular and cellular trajectories of cells undergoing conversion into induced neurons.

Wir laden 15 Minuten vor Beginn zu einem Get-together mit dem Referenten ein.

KONTAKT

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