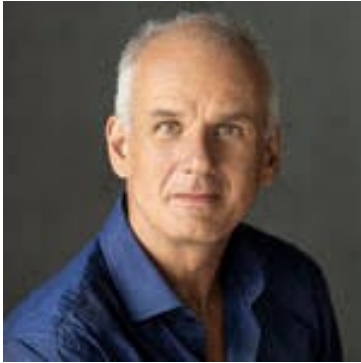


RCB – Colloquium

Thursday, June 13th 2024, 2 p.m.

H 53



Prof. Dr. Nikolaus Rajewsky

Max-Delbrück-Centrum für Molekulare Medizin (MDC), Berlin

“Spatial Transcriptomics in 3D”

Scientific goals: For understanding the function of RNA in early development, stem cell biology, diseases and regeneration, we traditionally work in a variety of model systems (including *C. elegans*, *Planaria* and mice) but in recent years are transforming into medical/clinical systems. For example, we have established patient-derived brain organoids in the lab and study the role of RNA in human brain diseases. We apply single-cell methods and gene-editing or RNA knockdowns by CRISPR directly in brain organoids. We also enjoy direct collaborations with various hospitals from the Charité, such as Neurological Diseases, Pediatric Cancer, and others.

Host: Prof. Dr. Gunter Meister, Biochemistry I, gunter.meister@ur.de



Universität Regensburg

Biochemie-Zentrum Regensburg