
MOTIVATION AND SCIENTIFIC VISION

I am fascinated by the development of the human brain from the control of neurogenesis to the assembly of neural networks and this curiosity drives my basic science projects. To study human brain development with molecular and cellular tools, I collaborate across disciplines to enhance in vitro models of the human brain. My vision is that by better understanding disease mechanisms, we will ultimately prevent or cure diseases of the human brain. It is important to me to incorporate diverse perspectives into my research and I have a long history of working with clinician-scientists, scientists from the humanities as well as patient representatives.

CAREER

Karlsruhe Institute of Technology, Karlsruhe, Germany Full professor, Systemic Cellular Neurobiology	Since 2024
Hertie Institute for Clinical Brain Research, University of Tübingen, Germany Independent Research Group Leader, Molecular Brain Development	2018-2024
University of California, San Francisco, USA Postdoctoral fellow (EMBO and DFG Fellowships) at the lab of Dr. Arnold Kriegstein, Stem Cell Center	2015-2018

EDUCATION AND TRAINING

European Commission, Brussels, Belgium Trainee, European Research Council Executive Agency	2014-2015
Max Planck Institute of Experimental Medicine / Georg-August University, Göttingen, Germany Doctoral Student at the Department of Prof. Dr. Nils Brose and in the International Max Planck Research School Molecular Biology, graduated with <i>summa cum laude</i>	2011-2014
Georg-August University, Göttingen, Germany / Yale University, New Haven, USA MSc in Molecular Biology within the International Max Planck Research School Molecular Biology, MSc thesis work was carried out at Yale University in the lab of Dr. Nenad Sestan, graduated with 1.1	2009-2011
University of Cambridge, UK BA (hons) / MA in Natural Sciences, graduated with First Class	2006-2009

MAJOR ACCOMPLISHMENTS

- Publications: <https://orcid.org/0000-0002-6381-2474>
- Major grants and collaborations: Chan Zuckerberg Initiative 2 Mio USD consortium funding as lead PI (2022-2026), PI in Excellence Cluster 3D Matter Made to Order (3DMM2O, since 2024)
- Eva Luise Köhler Research Prize for Rare Diseases, Eva Luise and Horst Köhler Foundation (2023)
- Organizer of diverse conferences, e.g. [NeuroConnect](#), FENS and German Neuroscience Society Symposia