



Neurotransmitters in cortical development and disease

PhD Student Position

Are you interested in understanding the development of one of the most complex organs, the mammalian brain? Are you excited about applying diverse cutting-edge single-cell biology techniques to your scientific question? Are you enthusiastic about driving science forward in a small international team and with interdisciplinary collaborators?

If you answer these questions with a yes, joining the lab of Dr. Simone Mayer at the Hertie Institute for Clinical Brain Research (HIH) in Tübingen, Germany, might be an exciting opportunity for you. Several projects are available, focusing on understanding how neurotransmitters modulate mammalian cortical development, evolution and disease emergence. We employ a large range of methodologies ranging from single-cell RNA-Sequencing to immunohistochemistry, live cell imaging, and mass spectrometry on cells and tissue samples from animal models and patient donations. In order to achieve this, we collaborate with experts in the fields of bioinformatics, biophysics, and biochemistry, as well as clinicians.

Your profile

The ideal candidate combines a passion for developmental neuroscience and an eagerness to learn new methods to answer challenging research questions.

A Master's or equivalent degree in life science (e.g. biochemistry / neurosciences / molecular medicine) is required. Experience in experimental work handling animals and cells (dissection, dissociation, cell culture) and molecular biology and biochemistry (mass spectrometry) is preferred. Computational biology skills are desirable.

Our offer

Positions are funded according to standard German compensation schemes for 3 years (TV-L13, 65%). The start date is flexible, but preferably in spring 2019. The working language in the group and institute is English and we welcome applications from international applicants. We offer scientific and personal development opportunities, including presentations at international conferences and attendance of workshops. Tübingen is a center for neuroscience research in Germany, uniting a renowned university (Eberhard Karls Universität Tübingen), a Max Planck Campus with four thematically related institutes, and a site of the German Center for Neurodegenerative Diseases. As part of the university, the HIH provides a vibrant community of neuroscientists and excellent lab facilities. Tübingen was recently chosen as one of four national next-generation sequencing centers by the German Research Foundations, thereby providing exciting opportunities for collaborative work involving high-throughput next-generation sequencing technology, a key method in our research.

Your application

To apply or with further questions, please send an email to:

si.mayer@uni-tuebingen.de

Please include your CV, a short cover letter explaining why you would like to join our group and institute, and a statement of your research interests and motivations in a single pdf document. Please ask three scientists to send reference letters.

For more information, please visit our website:
www.hih-tuebingen.de/en/forschung/independent-research-groups/molecular-brain-development