

Open PhD student position on plasticity in human brain development and disease

at the Hertie Institute for Clinical Brain Research

The Hertie Institute for Clinical Brain Research (HIH), together with the University of Tübingen's Neurology Hospital, forms the Center of Neurology. It is dedicated to research, treatment, and teaching focused on the diseases of the human brain.

The independent research group "**Molecular Brain Development**" headed by **Dr. Simone Mayer** at the HIH is looking for a

PhD student

Are you interested in understanding the development of one of the most complex organs, the mammalian brain? We offer projects focusing on understanding how plasticity mechanisms modulate human brain development, evolution, and disease emergence. We employ diverse methodologies ranging from single-cell RNA-Sequencing to immunohistochemistry, live cell imaging, and electrophysiology on in vitro models of human brain development including brain organoids. We collaborate with scientists in bioinformatics, biophysics, and bioengineering, 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. An excellent Master's or equivalent degree in life science (e.g. biochemistry, neurosciences, molecular medicine) is required. Experience in cell culture, molecular biology, biochemistry or physiology is preferred. Computational biology skills are desirable.

Our offer

The PhD position is funded according to standard German compensation schemes for 3 years (PhD student, TV-L E13, 65%). The start date is flexible, but preferably immediately or by the end of 2020. The working language in the group and institute is English and we welcome 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 and the Tübingen Neuro Campus, the HIH provides a vibrant community of neuroscientists and excellent lab facilities. The Graduate Training Center of Neuroscience provides a structured framework for the doctoral education (www.neuroschool-tuebingen.de).

Your application

To apply (**until 21.08.2020**) or with further questions, please send an email to: si.mayer@uni-tuebingen.de

In your full application please include a motivation letter, your CV, transcripts, your master's thesis and/or publications in a single pdf document. Please ask two scientists to send reference letters.

For more information, please visit our website :

www.hih-tuebingen.de/en/research/independent-research-groups/molecular-brain-development/