

## PhD student (m/w/d)

on modeling neurological diseases using human brain organoids using molecular and cell biological methods

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.

Starting from autumn 2023, the independent research group **"Molecular Brain Development"** headed by **Dr. Simone Mayer** is looking for a

### PhD student

#### About us

Are you interested in understanding how genetic and environmental factors contribute to disease emergence by dysregulating human brain development? We are an ambitious and creative team addressing these research questions in human brain organoids predominantly.

#### Your profile

We are looking for a molecular biologist or a biochemist who will expand our stem cell and brain organoid cultures and analyze molecular and cellular disease phenotypes using diverse readouts. These include transcriptomic and proteomic profiling (primarily, wet lab work) as well as high-end microscopy (e.g. spinning disk confocal and light-sheet). 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) and relevant laboratory skills are required. CRISPR-Cas genome editing skills are desirable.

#### Our offer

The PhD position is funded according to standard German compensation schemes for (PhD student, TV-L E13, 65%). The start date is flexible, but preferably by the end of 2023. The working language in the group and institute is English and we welcome international applicants. We offer scientific and personal development opportunities. With us, you will also have the chance to learn image analysis and stem cell modeling in an international cutting-edge setting through the Chan Zuckerberg Initiative Neurodegeneration Challenge Network.

Women are strongly encouraged to apply. Severely disabled persons will be given priority in the event of equal suitability. Unfortunately, interview costs cannot be covered. Please note the applicable vaccination regulations.

#### We have sparked your interest?

To apply (**until 30.08.2023**) or with further questions, please send an email to: [si.mayer@uni-tuebingen.de](mailto: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 directly.

For more information, please visit our website :

[www.hih-tuebingen.de/en/research/independent-research-groups/molecular-brain-development/](http://www.hih-tuebingen.de/en/research/independent-research-groups/molecular-brain-development/)