

## PhD student (m/w/d)

on modeling neurological diseases using human brain organoids using bioinformatic 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 computational biologist that will analyze multimodal datasets of human brain organoids in an interdisciplinary environment. Specifically, we are generating various OMICs datasets (scrRNA-seq, RNA-seq, translomics such as Ribo-seq) of organoids and human tissue samples, which require extensive bioinformatic analysis. You will be able to learn these techniques from an experienced lab member. 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 with a focus on data analysis / bioinformatics is required. Experience with molecular biological experiments is 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 and omics data analysis 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/)