



Open postdoctoral fellow position in Neuron-Glia Interactions

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 of **Dr. Nicolas Snaidero** at the HIH is looking for a

Postdoctoral Fellow (m/f/d)

The lab is a dynamic environment that builds up on cutting-edge in vivo imaging and complex demyelinating disease models to study the mechanisms of CNS myelination.

The project will focus on the dynamics of cortical myelination, specifically, on how oligodendrocyte precursor cells choose axons to myelinate and how these axons respond to being sheathed by myelin. Another focus of the project will be on developing new strategies to induce focal cortical myelination. The work will involve functional and morphological characterization of cortical axons and oligodendroglia using advanced imaging techniques established by Dr. Snaidero, such as longitudinal intravital two-photon microscopy, combined with advanced molecular labeling tools, genetically-encoded biosensors and injury/disease models in mice.

Your profile

The applicant should have a PhD degree in neuroscience or a related field and have experience in the fields of cellular biology, neuroanatomy and neurophysiology. Knowledge of bioinformatics and single cell work is an advantage. The lab's language is English.

We are looking for someone who simply loves science and shares our passion for exploring the unknown continent of our brain and for developing translational therapies for major cortical demyelination and myelin pathologies.

We offer

The position is funded according to the German compensation schemes (TV-L E13) for an initial period of two years. The start date is preferably before the end of 2023. In the lab you will have the opportunity to integrate into a young and dynamic team, to learn advanced imaging techniques and to apply innovative molecular and functional modulation strategies geared toward preclinical research.

The University of Tübingen is anxious to increase its quota of female scientific staff, and therefore emphatically requests women to apply for this position. Interview expenses are not covered. Please note the applicable vaccination regulations.

Your application

To apply (**until 30.09.2023**) or with further questions, please send an email to:

nicolas.snaidero@uni-tuebingen.de

Please include your CV, a list of referees and a cover letter explaining your previous experiences as well as your motivations to join our group in a single pdf document.

For more information, please visit the lab website:

<https://www.hih-tuebingen.de/en/research/independent-research-groups/research-group-snaidero/>