

# PhD student (m/f/x)

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.

Starting 01.10.2023 the HIH is looking for a

## **PhD student (65% TV-L13)**

### **About us**

The Helfrich lab (Human Intracranial Cognitive Neurophysiology) at the HIH is inviting applications for a fully funded position for a PhD student with an interest in the neuronal network dynamics underlying cognitive processing. The lab is conducting cognitive neuroscience studies in a clinical environment. Our key goal is to understand the network neuroscience underlying higher cognitive functions in the human brain.

We offer one PhD position to investigate the mechanisms that enable attentional control and context-guided behavior in human prefrontal cortex.

### **Your tasks**

- Design experimental tasks to probe human cognition
- Establish experimental multimodal setups that may include iEEG/EEG/MEG/eye-tracking and/or brain stimulation
- Record and analyze electrophysiological data that was recorded from patients
- Prepare conference contributions and research papers
- Supervise M.Sc. or M.D. students

### **Your background**

- The positions are well suited for candidates from a wide-range of backgrounds, including biology, computer science, psychology, medicine, cognitive science and neuroscience.
- We particularly encourage applications from researchers with previous experience in human imaging or primate neurophysiology who are seeking to apply their skills to basic science questions in a clinical context.
- We welcome researchers with an international background.
- German language skills are helpful to coordinate patient-related studies.

### **We offer**

- A fully-funded PhD position with ample opportunities to conduct basic science studies in a clinical environment

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.

### **Have we sparked your interest?**

Please give some information regarding the application process.

Randolph Helfrich, MD PhD

Independent Research Group Leader

Human Intracranial Cognitive Neurophysiology

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**Deadline: 30.09.2023**