

released 25th of August 2020
closing date for applications 9th of October 2020
full-time position
Charité - Universitätsmedizin Berlin

In cooperation with Brandenburg Medical School Theodor Fontane, we welcome applications for the following PhD position:

PhD position (f/m/d) Electrophysiology - Institute of Integrative Neuroanatomy, Charité - Universitätsmedizin Berlin

Part-time employment (65 %), start of employment: at the earliest possible date

The primary scientific goal of our laboratory is to understand how information is processed and stored in the brain. We focus on the role of inhibition and interneurons in cortical, hippocampal circuits. Interneurons are GABAergic inhibitory neurons. Although very low in number (~10 - 20% of cortical populations), these neurons are highly diverse and can be subdivided into several distinct types. The various types produce inhibition at different times and different locations in the neuronal network. We use a combination of neuroanatomical, electrophysiological and computational tools in our research.

For the announced position we are seeking a highly motivated PhD candidate to investigate interneuron diversity in the subiculum - one of the major hippocampal output structures, highly relevant for consolidation and long-term storage of memory. The aim of the project is to morphologically and electrophysiologically characterize interneuron subtypes along the dorso-ventral and proximal-distal axis of the subiculum. Previous experience and knowledge in: neuroscience, electrophysiology, basics in physics, chemistry and statistics would be an advantage, but not an essential requirement. Competences in communication, oral presentations as well as, reading and writing in English language) are expected from the PhD candidate as he/she will be part of a creative, productive, interdisciplinary and dynamic international team of researchers.

Please hand in:

- Letter of motivation detailing why you are interested in this specific project and how your previous research/ education qualifies you for the project (up to 1 page)
- Curriculum Vitae (with list of publications if applicable)
- Copies of your university degree(s) with grades (BA and MA certificate/Diploma certificate and transcripts)
- Short summary of your master's thesis (up to 1 page)

Your documents will not be returned after the application process. For this reason, please submit copies only. The position is limited to 24 months. The salary will be determined in accordance with TV-L E-13. Please send your application in English or German including supporting documents mentioned above.

Please send your application to the following address in electronic form:
Dr. Sabine Grosser
sabine.grosser@charite.de
030 450 582 387