



## PhD Students (f/m) – Neuroscience

University Medical Center Hamburg-Eppendorf (UKE)

Hamburg, Germany

PhD positions are available within the DFG-funded research unit FOR 2419 “Plasticity versus Stability: Molecular Mechanisms of Synaptic Strength” at the Center for Molecular Neurobiology Hamburg (ZMNH) of the UKE, the Centre for Structural Systems Biology (CSSB) of Universität Hamburg and the Institute of Developmental Biology and Neurobiology of the Johannes Gutenberg University Mainz. FOR 2419 is coordinated by Prof. Matthias Kneussel and is an interdisciplinary neurobiology research initiative with 6 projects, mostly at the UKE. We apply innovative techniques, such as time-lapse imaging of single molecules, electrophysiology, and behavioral studies of learning and memory to investigate the molecular, structural and functional changes that determine synaptic strength and network connectivity and their impact. Further details are available at the following link: <https://www.uke.de/FOR2419>.

Subject to approval, the PhD student positions are guaranteed for three years (65 % German TV-KAH scale 13).

### Qualifications and Experience

We seek highly motivated applicants with a passion for neuroscience who hold a Master’s degree in biology or other fields of natural sciences. Some prior experience in one or more methods of molecular and cell biology, biochemistry, electrophysiology, optogenetics, or imaging techniques such as 2-photon or confocal live imaging, STED, PALM, cryo electron microscopy or tomography are desirable. Excellent oral and written English communication skills and the ability to efficiently integrate in an interdisciplinary and multinational research team are expected.

### Benefits

When selected, you will join a team that is closely collaborating with national and international partners and carry out a thesis project focusing on one of the subprojects within the FOR 2419. You will participate in seminars, workshops and courses offered at the UKE or your home institution, while benefitting from the excellent working conditions and access to cutting-edge research facilities. Mentoring will be provided by your thesis committee and additional programs.

**Your Contact Person:** Dr. Eva-Maria Suciú, [eva-maria.suciu@zmnh.uni-hamburg.de](mailto:eva-maria.suciu@zmnh.uni-hamburg.de).

We offer a work environment that offers everyone the same chances, regardless of age, sex, sexual preference, disability, ethnic background or religion. We are actively trying to increase the number of women in senior roles, especially in research and teaching. In the event of equal levels of qualification, preference will be given to female candidates. The same rule will apply to all genders when one gender is deemed to be under-represented in the department relevant to the available position. Severely disabled applicants with essentially identical technical and personal suitability will be preferentially selected.

### To apply

Please submit your application including a brief statement of research interests, Curriculum Vitae, publication record, transcripts and degree certificates together with the contact details of two referees compiled into a single PDF file (<5 MB) to the Human Resources Division of the University Medical Center Hamburg-Eppendorf [bewerbung@uke.de](mailto:bewerbung@uke.de) and to Dr. Eva-Maria Suciú ([eva-maria.suciu@zmnh.uni-hamburg.de](mailto:eva-maria.suciu@zmnh.uni-hamburg.de)) quoting reference number **2018-661**. Applications will be considered until **January 14, 2019**.