



ERC-Funded Postdoctoral Positions in Neuroscience (m/f/d)

(Ref. 14/2020)

We are seeking to recruit several post-doctoral fellows with expertise in electrophysiology, molecular biology/ proteomics/ genetics, and/ or microscopical imaging (e.g. high-resolution light or electron microscopy) to study the pathways that control the formation, maintenance and dynamic remodeling of the presynaptic compartment. In the project genome engineering in stem cell-derived neurons and genetically altered mice will be combined with proteomic, high-resolution imaging [see e.g. Jäpel et al (2020) Cell Rep 30: 409–420; Lehmann et al (2019) Science Adv. 5: eaax5775] and systems biology approaches developed in the Haucke lab to identify the origin and composition of synaptic vesicle and active zone precursors, dissect the mechanisms of their axonal transport [see e.g. Vukoja et al (2018) Neuron] and integration into developing synapses and unravel the pathway that controls axonal transport and presynaptic assembly of newly made presynaptic proteins to set synaptic weight. We seek highly motivated, ambitious, and talented scientists to join an enthusiastic and collaborative team in an outstanding scientific environment to perform research.

The positions are available from **November 1st 2020** and are based on contracts for the civil service (TVöD Bund). They will be time limited for an initial period of **two years** with the possibility of extension up to five years. We offer equal opportunities regardless of gender and welcome applications of disabled candidates. They will be preferred in case of equal qualification. We welcome applications from all backgrounds.

Qualifications

The successful applicant will hold a Ph.D. in a relevant area (e.g. molecular biology, neuroscience, physiology, biochemistry) and have a strong track record of accomplishment. Candidates with proven interests and/ or experience in electrophysiology, microscopical imaging techniques and/ or the use and application of stem cell-based neurons or brain organoids are especially encouraged to apply. The applicant should also have excellent written and oral communication skills and display a high personal motivation to excel in science. The working language is English; knowledge of the German language is not required.

Research Environment

The Leibniz-Institut für Molekulare Pharmakologie (FMP) is a non-university research institute that conducts basic research in molecular pharmacology and provides a vibrant and collaborative environment with state-of-the-art facilities for research and employees from all over the world. The Haucke lab is embedded into the NeuroCure Cluster of Excellence (see: <http://www.neurocure.de/>), a collaborative framework program that combines leading researchers in neuroscience from various Berlin based institutions.

Are you interested?

For further information about the Institute and the Haucke department see www.leibniz-fmp.de/haucke. Please also see the recent publications from the Haucke lab: von Kleist et al (2011) Cell 146:471-484; Haucke et al (2011) Nat Rev Neurosci 12:127-138; Posor et al (2013) Nature 499: 233-237; Kononenko et al., (2014) Neuron 82: 981–988; Kononenko et al., (2015) Neuron 85: 484-496; Ketel et al., (2016) Nature 529: 408-412; Marat et al. (2017) Science 356: 968-972; Soykan et al (2017) Neuron 93: 854-866; Vukoja et al (2018) Neuron 99: 1216-1232; Lopez-Hernandez, T. et al (2020) Nat Cell Biol 22:815-27.

On the FMP homepage please go to **“Stellenangebote/Jobs”** and click first on this advertisement and then on the button **“Online bewerben”**. Then please submit your complete application documents, containing a one-page letter with a personal statement describing your scientific accomplishments and your interests in our laboratory, your CV and bibliography as well as, contact information for 3 references. Applications will be considered upon submission with a final deadline of **September 30th 2020**.

We are looking forward to your application!