



ERC-Funded Postdoctoral Positions in Neuroscience in Berlin

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.

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?

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, in electronic form as one single pdf-file via e-mail to haucke@fmp-berlin.de. Applications will be considered upon submission with a final deadline of September 30th 2020. The positions are available from 1 November 2020 and are based on contracts for the civil service (TVöD). They will be time limited for an initial period of two years with the possibility of extension up to five years. They. 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.