



FMP | ROBERT-RÖSSLE-STR. 10 | 13125 BERLIN

LEIBNIZ INSTITUT
FÜR MOLEKULARE
PHARMAKOLOGIE

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10 January 2017

Position for MSc student in Molecular Neuroscience with possibility to conduct PhD

01/2017

The Leibniz-Institut für Molekulare Pharmakologie (FMP) is a non-university research institute that conducts basic research in molecular pharmacology and is legally represented by the Forschungsverbund Berlin e.V. (FVB). As a member of the Leibniz Association the FMP is jointly funded by the Federal Republic of Germany and its States.

The research group of Prof. V. Haucke (Dept. of Molecular Pharmacology & Cell Biology) offers

a position for an MSc student to conduct thesis work in molecular neuroscience

starting **1 February 2017** (or later). Following successful completion of the MSc thesis work it may be possible to extend these studies to a PhD thesis. The group studies mechanisms of neurotransmission with a focus on endocytosis and the endo-lysosomal system. We use an interdisciplinary approach that combines optical imaging with cell biological, biochemical and physiological studies in primary neurons and in mutant mice *in vivo* (selected recent publications from the group: 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; Koo et al., (2015) Neuron 88: 330-344; Gimber et al (2015) Nature Comms. **6**, 8392; Ketel et al., (2016) Nature 529: 408-412). For further information: www.leibniz-fmp.de/haucke.

The project is focussed on the analysis of a novel clathrin-independent mechanism of presynaptic membrane endocytosis in central nervous system neurons and involves a multidisciplinary approach including live imaging, cell biology, biochemistry, and genetics.

Qualification

Applicants should hold be enrolled in a master's program in biochemistry, molecular biology, molecular medicine or alike. Candidates with a strong interest in molecular neuroscience and/or cell biology and in microscopical imaging techniques are especially encouraged to

apply. A good command of the English language and a high personal motivation to excel in science are required. We offer a stimulating environment in an international research group.

Salary

MSc students will receive a limited salary during the period of their thesis work. Subsequent PhD studies will be fully salaried according to the German public service salary scheme (E13, 65%).

How to Apply

Please send your application including CV and the names and contact information of 2 referees before 01 March 2017 to Prof. Volker Haucke (haucke@fmp-berlin.de) or Dr. Tolga Soykan (soykan@fmp-berlin.de).