



PhD Student Position in Molecular Cell Biology and Human Disease (f/m/d)

The Haucke lab (www.leibniz-fmp.de/haucke) seeks to recruit a PhD student in molecular cell biology to study signaling phosphatases implicated in human disease. We aim to understand how lipid signaling controls membrane and organelle dynamics and, thereby, metabolism in health and disease. Our main focus is on the endolysosomal system that we study in genome-engineered cell lines and animal models [Ebner et al Haucke, V. (2023) *Cell* 186, 5328-5346. doi: 10.1016/j.cell.2023.09.027; Rizalar et al Haucke, V. (2023) *Science* 382 (6667), 223-230. DOI: 10.1126/science.adg1075; Jang et al Haucke, V. (2022) *Science* 378, eabq5209. DOI: 10.1126/science.abq5209].

The **collaborative project** together with the Leibniz Institute for Analytical Sciences (ISAS) and the German Institute for Nutrition Research (DIfE) is based on the recent discoveries of signaling lipid switches in the control of endoplasmic reticulum (Jang et al Haucke, V. 2022) and lysosome (Ebner et al Haucke, V. 2023) function and morphology. We combine genome engineering with advanced imaging and novel methodology for lipid analysis to dissect the role of myotubularin lipid phosphatases in membrane dynamics and metabolism. Myotubularin dysfunction is linked to human diseases ranging from myopathy to diabetes and cancer.

Candidates will benefit from a broad variety of advanced training opportunities and will be embedded into the PhD schools of the FMP and of FU Berlin.

Qualifications

We seek highly motivated, ambitious, and talented young scientists to join an enthusiastic and collaborative team in an outstanding scientific environment to perform research. PhD student candidates should have a master's degree in molecular biology, biochemistry, biophysics, or related fields. All applicants are expected to benefit from 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 Forschungsinstitut 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. Since 2013, the FMP has been awarded with the certificate of the audit "Beruf und Familie" as family-friendly employer. We offer equal opportunities regardless of gender and welcome applications of disabled candidates, who will be preferred in case of equal qualification. We welcome applications from all backgrounds.

We take and share responsibility: The Haucke lab is the **first certified green lab** in Germany.

Are you interested?

Then please submit your complete application documents, containing a one-page letter with a personal statement describing your interests in our laboratory, your CV as well as, contact information for 2-3 references, in electronic form as one single pdf-file via e-mail to haucke@fmp-berlin.de. Applications will be considered upon submission. The position is available from **1 January 2024** (or later) and are based on contracts for the civil service (TVöD).