

The research groups of Professors Volker Haucke (Leibniz Research Institute for Molecular Pharmacology) and Christian Freund (FU Berlin) offer

a position for a PhD student in biochemistry

starting **1 January 2020** (or later). The PhD student will be part of a joint project funded by collaborative research center 958, in which the Freund and Haucke groups join forces to understand early events of endocytosis. The project will focus on the physicochemical properties of early-acting endocytic proteins and the mechanisms by which these direct endocytic pit nucleation and subsequent growth using combined biochemical (e.g. recombinant protein expression, protein complex reconstitution), biophysical (e.g. phase separation assays, structural analysis by cryo-EM), and cell biological approaches (e.g. CRISPR/Cas9, advanced live imaging) in vitro and in living cells. See also recent publications by the groups, e.g. Lehmann et al (2019) *Science Advances* 5: eaax5775; Gerth et al., (2019) *Structure* 27: 977-987; Gerth et al. (2017) *PNAS* 114: 12057-12062; Wang et al (2018) *Mol Cell* 71: 343-351.e4; Posor et al (2013) *Nature* 499:233-237; Haucke & Kozlov (2018) *J Cell Sci* 131: jcs216812 for review.

Qualification

The candidates should have a master degree in biochemistry, biophysics, molecular biology or related fields. Candidates with a strong interest in protein biochemistry, cellular biochemistry or structural biology 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 within international research groups.

Please send your application including CV and the names and contact information of 2 referees before 15 December 2019 to Haucke@fmp-berlin.de and christian.freund@fu-berlin.de.