

Charité – Universitätsmedizin Berlin, Institute of Medical Physics and Biophysics
Berlin, Germany

PhD Position in structural biology and *in vitro* protein selection

Announcement date: 12.04.2019

Description

- Conduct research project aiming to understand molecular workings of an integral-membrane enzyme complex of the retina
- Employ *in vitro* selection of single-chain antibodies, biophysical techniques and enzymatic assays to study the impact of disease-related mutations in target proteins
- Prepare and biophysically characterize samples for X-ray crystallography and electron microscopy
- Acquire data and determine high-resolution structures of protein complexes
- Information about the work group can be found online:
https://biophysik.charite.de/en/research/structural_enzymology_schacherl_lab
- Applicants should send one single PDF file containing a cover letter, a curriculum vitae and contact information of one referee until **26.04.2019**.

Requirements

- Excellent M.Sc. degree in biochemistry, biophysics, molecular biology, chemistry, physics or in another relevant field
- Proven practical experience in one or more of the following fields:
 - phage display or other display technologies
 - heterologous protein expression and purification
 - biophysical characterization of proteins
 - eukaryotic cell culture experiments
 - X-ray crystallography or cryoEM
 - Experience in handling RNA is a plus
- Excellent collaborative, interpersonal and organizational skills
- Willingness to conduct a multidisciplinary project

More information

<https://www.charite.de/karriere/>

Reference: DM.91.19b

Contact

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