



The Max Planck Institute for Biophysical Chemistry is one of the largest institutes of the Max Planck Society for the Advancement of Science and conducts basic research to advance knowledge and benefit society. Innovative projects and interdisciplinary cooperation characterize research within the Max Planck Society.

The Department of *Theoretical and Computational Biophysics* (Prof. Dr. Helmut Grubmüller) invites applications for a position as

PhD Student or Postdoc (f/m/d)
(Code number 18-20)

for the projects

Theory and Algorithms for Structure Determination from

- Ultrafast Single Molecule X-FEL Diffraction –
- Fluctuation-Correlation X-Ray Scattering –

The aim of both projects is to develop Bayesian or Deep Learning methods to obtain high-resolution molecular structures and dynamics from sparse and noisy experimental data.

More details: www.mpibpc.mpg.de/9660732/SM-Ultrafast-XRay-Diffraction

The successful candidate for either position has a keen interest and strong skills in computational molecular physics and probability theory / machine learning, and a strong interest in interdisciplinary research and collaboration with experimental groups.

PhD candidates hold (or expect to complete soon) a Masters or equivalent degree; Postdocs hold a PhD or equivalent degree in any of these or a related field.

PhD students will have the opportunity to participate in one of several available PhD programs, with four years funding, in collaboration with the University of Göttingen. Masters students aiming at a fast track PhD are also welcome. The Postdoc position is limited to two years with a possibility of extension.

Payment and benefits are based on the TVöD guidelines. The starting date is flexible.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals.

Interested? Submit your application including cover letter (explaining background and motivation), CV, transcripts, and publication record preferably via e-mail as one single PDF file to

ausschreibung18-20@mpibpc.mpg.de

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