



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 research group of *Computational Biomolecular Dynamics* (Prof. Dr. Bert de Groot) invites applications for a position as

PhD Student or Postdoc (f/m/d)
(Code number 18-21)

for the following projects

- **Interactions of focused ultrasounds with lipid membranes and ion channels**
- **Pharmacological regulation of potassium channels**
- **Combined computational alchemy and deep learning for:**
 - *ligand design and optimisation for drug development*
 - *mutation scans in protein design and drug resistance*

The successful candidate for either position has a keen interest and strong skills in computational molecular physics, structural biology, statistical mechanics, and scientific computing, 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 group language is English. For those who are interested, the institute offers free German courses.

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. The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.

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

ausschreibung18-21@mpibpc.mpg.de

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Information pursuant to Article 13 DS-GVO on the collection and processing of personal data during the application process can be found on our website below the respective job advertisement.