

# Max-Planck-Institute für biophysikalische Chemie und experimentelle Medizin Göttingen

The Max Planck Institutes for Biophysical Chemistry and Experimental Medicine in Göttingen are internationally leading research institutes of exceptional scientific breadth, which will merge in 2022 to become the largest institute of the Max Planck Society. The new institute will comprise more than 40 research groups and employ around 1,000 people from over 50 nations.

The Department of *Cellular Logistics* (Prof. Dr. Dirk Görlich) invites applications for up to four positions as a

## **PhD Student or Postdoctoral Fellow (f/m/d)**

- Development of Nanobodies for therapeutic applications –

The envisioned projects aim at developing therapeutic nanobodies to treat infections by multi-resistant bacteria, sepsis, immune-related diseases (autoimmune conditions, cytokine storm), and snake venom poisonings. They will include the generation of neutralizing nanobodies against a wide range of bacterial virulence factors, immune regulators, as well as snake toxins. Projects will also include establishing assays for quantifying biological nanobody effects, the structural characterization of nanobody-target complexes, optimization of nanobodies by directed evolution and computational methods, and optimizing production workflows.

Successful candidates will have a keen interest and strong background in biochemistry and molecular biology. For some of the projects, experience in structural biology, protein design, molecular dynamics simulations, and Rosetta modeling would also be of advantage.

PhD candidates hold (or expect to complete soon) a Master's or equivalent degree; Postdocs should have a PhD or equivalent degree in fields related to the above described projects.

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

Payment and benefits are based on the German public service pay scale (TVöD Bund) guidelines. The starting date is flexible.

The group language is English, so no German language skills are required – but it is a great opportunity for you to learn German!

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 a single PDF file. Applications will be reviewed on a rolling basis until the positions are filled.

Please send your application to: [ausschreibung47-21@mpibpc.mpg.de](mailto:ausschreibung47-21@mpibpc.mpg.de)

**Max Planck Institute for Biophysical Chemistry**  
**Department of Cellular Logistics**  
**Prof. Dr. Dirk Görlich**  
**Am Fassberg 11**  
**37077 Göttingen**  
**Germany**

**Web:** <https://www.mpibpc.mpg.de/goerlich>

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.

