



The Max Planck Institute for Multidisciplinary Sciences is a leading international research institute of exceptional scientific breadth. With more than 40 research groups and some 1,000 employees from over 50 nations, it is the largest institute of the Max Planck Society.

The Department of *Theoretical and Computational Biophysics* (Prof. Dr. Helmut Grubmüller) is inviting applications for a

PhD Student (f/m/x)
for the project

– Microtubule nanomechanics and turnover under cell-like physical constraints –

supervised by Dr. Maxim Igaev. The PhD project involves massively parallel, atomistic and coarse-grained modeling to study the dynamic and mechanic properties of microtubule filaments subject to external forces by space constraints or other cellular factors.

Please visit the project website for more details:

<https://www.mpinat.mpg.de/grubmueller/microtubules>

Your profile

Eligible candidates have strong basic skills in either or all of the following disciplines: computational (bio)physics, structural biology, statistical mechanics, and scientific computing. They hold (or expect to complete soon) a Master's or equivalent degree in any of these or a related field. A keen interest in interdisciplinary research and collaboration with experimental groups is preferable.

What we offer

- State of the art on-site high performance/GPU compute facilities
- A wide range of offers to help you balance work and family life: on-campus kindergarten places, parent-child offices, etc.
- Further training opportunities and free in-house language courses
- Spacious campus cafeteria with a wide range of meals (including vegan/vegetarian ones)
- Health management: free fitness and yoga rooms, sports groups, "active break" courses
- Initiatives for sustainability and a green environment with a new biotope

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

Position Details

Payment and benefits are based on the wage agreement for public service personnel (TVöD Bund) guidelines. We would like to fill the position as soon as possible, but the exact start date is flexible.

You will have the opportunity to participate in one of several available PhD programs, with three years funding, in collaboration with the University of Göttingen. Masters students aiming at a fast track PhD are also welcome.

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 diversity and gender equality and welcomes applications from all backgrounds.



Application

Applications will be reviewed on a rolling basis until the position is filled.

Please submit your application including a cover letter (explaining background and motivation), a CV (with a publication list, if applicable), and transcripts (translated in English or German, if applicable) preferably via e-mail and as a single PDF file to:

ausschreibung21-24@mpinat.mpg.de

Max Planck Institute for Multidisciplinary Sciences
Department of Theoretical and Computational Biophysics
Dr. Maxim Igaev
Am Faßberg 11
37077 Göttingen
Germany



Web: <https://www.mpinat.mpg.de/grubmueller>

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.