



IMPRS
FOR LIVING MATTER
International Max Planck
Research School



The Max Planck Institute of Molecular Physiology seeks to fill:

PhD and PostDoc Positions (m/f/d) in Electron Cryo-Microscopy (cryo-EM) and Tomography (cryo-ET)

There are exciting immediate PhD and Postdoctoral positions in the lab of Stefan Raunser in the Department of Structural Biochemistry at the Max Planck Institute for Molecular Physiology in Dortmund, Germany. This is a unique opportunity to become a part of a world-renowned research institute with a diverse faculty with backgrounds in chemistry, biology and physics, and to perform interdisciplinary science in a lively and supportive environment!

We seek highly motivated, self-driven and creative thinkers who are prepared to take risks in defining and addressing important scientific problems, and who use quantitative experimental, computational and/or technical approaches in their work. The positions are available immediately in the Department of Structural Biochemistry (Director: Stefan Raunser) and are initially limited to 3 years.

Summary:

Research projects in the Raunser lab focus on important biological questions concerning the structural organization of muscles, cytoskeletal proteins and bacterial toxin complexes. Our ultimate goal is to understand the mechanisms and structure-function relationship underlying these processes in health and disease in molecular detail. To this end, we employ single particle electron cryo-microscopy (cryo-EM), electron cryo-tomography (cryo-ET), X-ray crystallography, biochemical and biophysical methods and cell biology.

There are several projects available in our lab for talented and outstanding young researchers who are eager to combine these techniques to look deeper into cells and tissues in order to visualize and understand cellular components that have never been seen before.

Requirements:

Ideal PhD candidates should hold an excellent diploma or master degree in physics, biology, biochemistry, biophysics, or a related field of science.

Ideal PostDoc candidates should hold an excellent PhD in structural biology, biophysics, physics or in an equivalent area with previous experience in single particle cryo-EM or cryo-ET.

Strong written and oral communication skills in English are required.

Why join us?

Being a part of the community at the Max Planck Institute is more than just a job. Our dynamic research environment, distinct culture, and diverse community foster collaboration and excellence in every corner of science. We offer an extensive range of benefits and resources such as:

- access to state-of-the-art research facilities
- opportunities to collaborate on cutting-edge research
- an international and exciting working atmosphere
- an integrated training program that includes lectures, advanced scientific workshops, complementary skill courses and opportunities for career development
- a mentoring program to guide and promote young scientists

PhD students will join the International Max Planck Research School for Living Matter (IMPRS-LM), which is a joint PhD Program between the Max Planck Institute of Molecular Physiology in Dortmund, the Technical University Dortmund, the Ruhr University Bochum and the University of Duisburg-Essen. All four institutions are located in the Ruhr Metropolitan Area of Germany, an extremely vibrant and culturally interconnected region.

Salary:

Payment of Postdocs depends on personal conditions and qualification according to the directive of the TVöD. Social benefits correspond to those of the public service. Employment of PhD students is according to the funding guidelines of the Max Planck Society.

How to Apply:

Applicants should submit a CV, a motivation letter outlining research experiences and interests and two reference letters by September 20th, 2020 to Stefan Raunser at raunser-jobsearch@mpi-dortmund.mpg.de

Additional Information:

The Max Planck Society (Max Planck Gesellschaft – MPG) is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. The MPG seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. Furthermore, the MPG strives to foster an inclusive culture and diversity within its workforce. Therefore, all qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law.