



MAX-PLANCK-GESELLSCHAFT

The Max Planck Institute of Molecular Physiology seeks to fill:

PostDoc Positions (m/f/d) in Electron Cryo-Tomography (cryo-ET)

There are exciting immediate 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), cryogenic focused ion beam milling (cryo-FIB), 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 apply cryo-FIB and cryo-ET to look deeper into cells and tissues in order to visualize and understand cellular components that have never been seen before.

Requirements:

Ideal 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

Salary:

Payment depends on personal conditions and qualification according to the directive of the TVöD. Social benefits correspond to those of the public service.

How to Apply:

Applicants should submit a CV, a motivation letter outlining research experiences and interests and two reference letters by April 7th, 2023 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.