

Cryo-Electron Microscopy/Tomography Specialist

Location: Heidelberg, Germany
Staff Category: Staff Member
Contract Duration: 3 years (renewable up to 9 years)
Grading: 5 or 6; depending on experience and qualifications (monthly salary starting from 3.5-4k EUR after tax + other paid benefits)
Closing Date: 22.05.2023
Reference Number: HD02407

We are looking for a cryo-electron microscopy and/or tomography (cryo-EM/ET) specialist to join the Structural and Computational Biology (SCB) Unit at EMBL Heidelberg.

EMBL Heidelberg hosts world-class cryo-electron microscopy facilities for internal and external users with a particular focus on cryo-electron tomography (cryo-ET). You will assist and support users during sample preparation and cryo-EM data collection in EMBL Heidelberg's cryo-EM facilities that include four Titan Krios, one Talos Arctica, one Glacios, and two Aquilos microscopes. Furthermore, you will implement, develop and maintain microscope hardware and software as part of a larger team comprising microscopy application specialists, method developers and image analysts having the mission of highest-level research and technology development in cryo-EM, cryo-ET and cryo-CLEM.

Your role

In this interesting role, you will be responsible for:

- Introducing and training users to cryo-EM technologies and auxiliary equipment, including assistance and troubleshooting in sample preparation
- Training researchers to effectively use cryo-EM/ET and cryo-FIB-SEM technologies; the opportunity to learn *in situ* cryo-ET and cryo-FIB-SEM will be provided
- Maintenance and development of cryo-electron microscope hardware and software infrastructure at an advanced level
- Ensuring smooth running of the instrumentation, interacting with service engineers and helping to maintain and develop the local infrastructure
- Staying up to date with the latest developments in cryo-EM methodologies and implementing workflows tailored for cutting-edge cryo-EM applications in the life sciences
- Helping with the organisation and teaching of electron microscopy courses for the user community

You have

- PhD or equivalent experience in the life sciences, physics, engineering or related disciplines
- Extensive experience in operating, maintaining, and troubleshooting cryogenic transmission electron microscopes for the life sciences
- Experience in interacting with service engineers and helping to maintain and develop the local infrastructure
- Strong motivation and ability to support, train, and interact effectively with team members and users
- Excellent communication and organisation skills
- Fluency in English

You might also have

- Experience in cryo-EM sample preparation and image processing
- Experience in *in situ* cryo-ET and considerations for data acquisition and processing
- Experience with cryo-FIB milling devices for preparation of cellular lamellae
- Experience in correlative light and electron microscopy (cryo-CLEM) workflows

Why join us

EMBL is curiosity-driven, community-oriented and international. As an [inclusive, equal opportunity employer](#), we believe that diversity enables us to collaborate more effectively and be innovative in our approaches. We are, therefore, committed to creating an inclusive and flexible culture - one where everyone can realise their full potential and make a positive contribution to our organisation.

EMBL offers attractive conditions and benefits appropriate to an international research organisation with a very collegial and family-friendly working environment. Competitive salary and social security benefits, financial support for relocation, a relaxed culture, professional development, an on-site nursery, canteen and other staff facilities make EMBL a great place to work.

** Don't meet every single requirement? We are dedicated to building a diverse, inclusive and authentic workplace, so if you're excited about this role but your past experience doesn't align perfectly with every qualification in the job description, we encourage you to apply nevertheless.

What else you need to know

We are Europe's flagship research laboratory for the life sciences – an intergovernmental organisation performing scientific research in disciplines including molecular biology, physics, chemistry and computer science. We are an international, innovative and interdisciplinary laboratory with more than 1900 employees from many nations, operating across six sites, in Heidelberg (HQ), Barcelona, Hinxton near Cambridge, Hamburg, Grenoble and Rome.

The working language of the institute is English.

In your online application, you will be asked to include a cover letter, CV and the contact details of 3 referees. Further information about the position can be obtained from Simone Mattei (simone.mattei@embl.de) or Christoph Müller (christoph.mueller@embl.de).

The initial contract is for a period of three years with the possibility of a fixed-term extension.

EMBL is a signatory of DORA. Find out how we implement best practices in research assessment in our recruitment processes [here](#).