

Scientific Officer - Protein Expression and Purification Core Facility

Scientific Services and Support
EMBL Heidelberg

The EMBL Protein Expression and Purification Core Facility provides support regarding all types of experiments related to advanced protein expression, purification and biophysical characterization. The facility offers high-level services covering the entire workflow for recombinant protein production in *E. coli*, insect and mammalian cells, whilst also maintaining a state-of-the-art biophysics platform for protein characterization and interaction studies.

Your role

The new staff member's main responsibility will be to perform recombinant protein expression and purification experiments using different host organisms. Discussing the project needs with individual users and developing suitable strategies for construct design, expression and purification of the requested proteins will be an important element of the daily tasks. Quality control of the purified proteins will be done in close collaboration with the facility's biophysics platform. Furthermore, the new scientific officer will also participate in the development and optimization of novel methods and protocols with the aim of assembling robust and efficient pipelines for obtaining high-quality proteins, which need to be constantly adapted to the evolving requirements of our user communities. Training of users, students and visiting scientists will also be a key part of this role.

You have

The minimum requirement for this position is a degree in biochemistry, molecular biology or in a closely related scientific area. Expertise in the field of recombinant protein production in the milligram scale using different gene expression systems is crucial. A strong understanding and background knowledge of chromatographic techniques such as affinity chromatography, ion exchange, hydrophobic interaction chromatography and size exclusion chromatography is required. Extensive hands-on experience with the use of automated chromatography platforms for protein purification is absolutely essential. Teamwork, flexibility, strong organizational skills and the ability to interact with a varied multicultural user community are expected. Fluency in English with excellent oral and written communication skills are necessary.

You might also have

Cell culture experience and expertise in the field of protein expression in eukaryotic cells, especially insect and mammalian cells, would be considered a strong advantage for this position. A good working knowledge of various cloning methods would be highly beneficial as well.

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.

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.

Enjoy lots of benefits

- Financial incentives:** Income tax exemption, monthly family, child and non-resident allowances, annual salary review, a pension scheme, life insurance, long-term care, accident-at-work and unemployment insurances
- Flexible working arrangements**
- Certified training and continued development** of your professional and personal skills
- Private medical insurance** for you and your immediate family
- Generous time off:** 30 days annual leave per year
- Generous relocation package** including installation grant (if applicable)
- Family benefits:** On-site nursery, 10 days of child sick leave, generous parental leave and monthly family and child allowances
- Benefits for international newcomers:** Visa exemption, education grant for private schooling, financial support to travel back to your home country every second year and a monthly non-resident allowance

What else you need to know

We are Europe's 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.

Please note that appointments on fixed term contracts can be renewed up to 9 years in total, depending on circumstances at the time of the review.

****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.**

[Apply now](#)

For questions or issues with the application process, please contact recruitment@embl.org