

Id: 3767

Forskare

Diarienummer: PAR 2019/92

Researcher

The University of Gothenburg tackles society's challenges with diverse knowledge. 38 000 students and 6 000 employees make the university a large and inspiring place to work and study. Strong research and attractive study programmes attract scientists and students from around the world. With new knowledge and new perspectives, the University contributes to a better future.

The Mammalian Protein Expression (MPE) core facility at the Sahlgrenska Academy is a resource center offering research services within the production and purification of recombinant proteins from mammalian cells. MPE is one of several advanced research infrastructures at the Sahlgrenska Academy (www.cf.gu.se), which provide advanced technical equipment and qualified competence in several disciplines. The core facilities also contribute to the education at different levels at the Sahlgrenska Academy and are natural meeting places for national and international contacts in life sciences.

Job assignments

With support of a recently awarded Technology Development Project grant from Science for Life Labs (www.scilifelab.se), MPE is now looking for an experienced protein scientist who will aid in the development of the facility's capabilities within specific areas of protein production, purification and characterization.

Responsibilities:

A key focus for this position is to be responsible for the introduction and implementation of additional protein expression and protein purification methods, as well as methods for the quality control of proteins, to the facility, in close collaboration with the center's manager and other staff. In addition, you will take part in the running of different ongoing research projects from the facility's users. This includes planning and performance of different types of mammalian cell cultures, including large- and small-scale transfections and bioreactor cultures, purification of produced proteins and various protein analyses. Some molecular biology work and cloning of cells is also involved in the tasks. The reporting of projects to different researchers is part of the work, as well as participating in maintaining the center's routines and good order. The work is carried out independently or together with other group members and requires flexibility and ability to adapt to the different tasks. Some weekend work may occur. The position requires professional knowledge and experience in protein expression as well as a good understanding of the academic research environment. It is also important to be able to carry out experiments based on the researchers' scientific demands in a time-efficient and quality-conscious manner.

Qualifications:

The successful applicant has a PhD in biochemistry, molecular biology or equivalent, with an interest in and long experience of work in protein chemistry, molecular biology, cell biology or other relevant biomedical field. You should have experience of mammalian cell culture and must have good documented experience of sterile work, various chromatography-based protein purification methods and protein

analyses. Experience of methods for the quality control of proteins is also expected. You should have experience of common molecular biology techniques and preferably also experience of working with various commonly used expression vectors and expression systems for mammalian cells. Previous experience of large-scale cultivation of mammalian cells in bioreactors is a merit, as is the production of protein samples, including membrane proteins, for structural analysis using Cryo-EM. Previous work within a protein production research infrastructure is meriting.

As we work with both national and international users, you must master English in speech and writing. As employee at a resource center, flexibility is very important. Thus, we will put a large emphasis on personal suitability for this position.

Employment

The employment is limited (temporary) for 2 years and full-time with placement at the Mammalian Protein Expression core facility (MPE). First day of employment as agreed.

For further information regarding the position

Please contact MPEs manager Dr Malin Bäckström; malin.backstrom@gu.se, Tfn + 46 708-993496.

Unions

Union representatives at the University of Gothenburg:

http://www.gu.se/english/about_the_university/job-opportunities/union-representatives

How to apply

In order to apply for a position at the University of Gothenburg, you have to register an account in our online recruitment system.

The application, should include your full CV, three name for recommendation, and should contain proof of completed PhD.

It is the responsibility of the applicant to ensure that the application is complete in accordance with the instructions in the job advertisement, and that it is submitted before the deadline. The selection of candidates is made on the basis of the qualifications registered in the application.

The University of Gothenburg promotes equal opportunities, equality and diversity.

Salary is determined on an individual basis.

Applications will be destroyed or returned (upon request) two years after the decision of employment has become final. Applications from the employed and from those who appeal the decision will not be returned.

In connection to this recruitment, we have already decided which recruitment channels we should use. We therefore decline further contact with vendors, recruitment and staffing companies.