

# Researcher, Core Facilities

The University of Gothenburg tackles society's challenges with diverse knowledge. 53 500 students and 6 500 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.

Protein Production Sweden (PPS) is a new national research infrastructure with financing from the Swedish Research Council, with the aim of co-ordinating and performing the production of proteins in different expression systems for Swedish researchers. The co-ordination of activities at five universities in Sweden will lead to an increased availability and competence within protein production, and will ensure the production of proteins with excellent quality. The Mammalian Protein Expression (MPE) core facility at the Sahlgrenska Academy is a part of PPS with focus on the production of proteins and glycoproteins in mammalian cells.

MPE 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](http://www.cf.gu.se)), which provide advanced technical equipment and qualified competence in several disciplines. The core facilities also contribute to education at different levels at the Sahlgrenska Academy and are natural meeting places for national and international contacts in life sciences.

With support of the VR funding for PPS, 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 and glycoprotein production, purification and characterization.

## Job assignments

A key focus for this position is to run and be responsible for protein production projects for different researchers. The work is lab-based and involves culture and transfection of mammalian cells, protein purification, characterization and quality control. 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 may occasionally be involved in the tasks.

The communication with different researchers and the reporting of projects are important parts of the work, as well as participating in maintaining the center's routines. 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 production as well as a good understanding of both protein chemistry and 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, cell biology, molecular biology or other relevant biomedical field. Experience from protein expression in mammalian cells and protein purification using various chromatography-based methods and different techniques for the quality control of proteins are required. You must have experience of mammalian cell culture and have good documented experience of sterile work. You should also have experience of common molecular biology techniques and preferably also of working with various commonly used expression vectors and expression systems for mammalian cells. Knowledge and experience of working with protein glycosylation is meriting. Previous experience of large-scale cultivation of mammalian cells in bioreactors is a merit, as is the production of protein samples for structural analysis using Cryo-EM or other techniques. Previous work within a protein production research infrastructure is desirable.

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 position is a full-time, permanent position (100%), placed at the Mammalian Protein Expression core facility (MPE), Sahlgrenska Academy. Starting date as agreed. A probationary employment period of 6 months may be applied.

## For further information regarding the position

For more information contact MPE's head of unit, Dr Malin Bäckström; [malin.backstrom@gu.se](mailto:malin.backstrom@gu.se), T. 0708-993496.

# Unions

Union representatives at the University of Gothenburg:

<https://www.gu.se/en/about-the-university/work-at-the-university-of-göthenburg/how-to-apply>

## Information for International Applicants

Choosing a career in a foreign country is a big step. Thus, to give you a general idea of what we and Gothenburg have to offer in terms of benefits and life in general for you and your family/spouse/partner please visit:

<https://www.gu.se/en/about-the-university/welcome-services>

<https://www.movetogöthenburg.com/>

## 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. 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 application shall include a personal letter, CV, list of publications, two letters of recommendations and a summary of your experience within protein production.

**Closing date:** 2022-01-31

*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.