



## Announcement of a Postdoc Scholarship at the Department of Laboratory Medicine Division of Molecular Medicine and Gene Therapy

Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has around 46 000 students and more than 8 400 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition. Lund University welcomes applicants with diverse backgrounds and experiences. We regard gender equality and diversity as a strength and an asset. The purpose of postdoctoral development is to promote internationalization and contribute to qualifications within research following the completion of a doctoral degree.

Lund University, Faculty of Medicine hereby invites applications for a postdoctoral scholarship:

**Reference number:** V 2023/2740

**Placement:** Department of Laboratory Medicine, Division of Molecular Medicine and Gene Therapy

**Scholarship period:** 2 years

**Preliminary start date:** 1 January 2024

**Last day for applying:** 13 December 2023

**Supervisor/contact person:** Mattias Magnusson, 046 222 14 46  
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### *Postdoc Scholarship in Human Airway Epithelial Biology*

The primary goal of this scholarship is to foster scientific excellence and innovation by providing a conducive environment for advanced research and skill development. The recipient will be encouraged to explore cutting-edge techniques and methodologies, including but not limited to 3D organoid cultures, Bronchosphere models, air-liquid interface cultures, immunohistochemistry, gene editing, cell sorting using Fluorescence-Activated Cell Sorting (FACS), single-cell genomics, bioinformatics, and small molecule screening. Through this scholarship, the candidate will have the opportunity to broaden their expertise, enhance their technical skills, and

contribute significantly to the ongoing research efforts at Lund Stem Cell Center. The recipient will have access to state-of-the-art laboratory facilities, meet leading experts in the field, and opportunities to collaborate with renowned scientists and researchers. The scholarship aims to train a leading stem cell scientists, enabling significant contributions to the scientific community and advance our understanding of human airway basal stem cells in health and disease.

We are looking for a highly motivated and skilled scientist with a strong background and proven track record working with human epithelial cell. Qualified candidates should hold a PhD in biomedicine or related fields. Excellent skills in written and spoken English are essential.

**Qualifications:**

- To be eligible for a post doc scholarship at Lund University the recipient must hold a PhD degree within a relevant field.
- The PhD degree **must not be older than three years**.
- The applicant must not have been employed at Lund University in the past two years.
- Documented experience with handling and maintenance of primary and cancer cell lines using 2D and tumoroid and Air- Liquid Interface cultures.
- Documented experience working with cellular and biochemical assays related to the assessment of anticancer, anti- inflammatory and anti-EMT, and ROS-related activities in live and fixed cells.
- Documented experience of Fluorescence microscopy, RT-qPCR, spectrophotometer and multimode plate reader.
- Documented experience with molecular biology techniques of siRNA transfection, flow cytometry sample preparation, and wet-western blotting

**A written application, including reference number, is to be sent via e-mail to the supervisor and must include the following:**

- PhD diploma
- CV
- Personal letter, stating the reasons why the project suits the applicant (maximum one page)
- List of publications
- References (2)

### **Information regarding scholarships at Lund University**

- The scholarship follows the regulations established by the Vice-Chancellor of Lund University, Reg. No STYR 2020/1283.
- The scholarship is intended for the holder's own education/professional development and does not constitute remuneration for work or other service that has been carried out or will be carried out on behalf of the University.
- The host faculty/department and the scholarship holder shall draw up in writing an agreed plan for the project/development.
- The scholarship amount is paid out quarterly and amounts to 30,200 SEK a month.
- The granted scholarship is reviewed every six months. Scholarship recipients are to complete their education/career development and be present in line with their project plan/professional development plan. In the event of misconduct, or if the recipients are not deemed able to complete their education/qualification due to illness or on other grounds, scholarship funds that have been granted but not yet paid may be withdrawn.
- Scholarships are tax-exempt. There may be a risk of the scholarship holder being taxed in his/her home country; the scholarship holder should investigate this before the period of the scholarship.
- The scholarship holder is not entitled to sickness benefit, parental allowance, holiday pay or pension.
- The scholarship holder is not entitled to subsistence allowance during travel.
- The scholarship holder is to be treated equally to students/researchers in the same situation regardless of the sources of funding and the scholarship holder should be ensured and contribute to a good working environment.