

The Department of Laboratory Medicine, Division of Clinical Genetics hereby announces an education scholarship

Lund University was founded in 1666 and repeatedly ranks among the world's top 100 universities. The University has 46,000 students and more than 8,000 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 from diverse backgrounds and experiences. Gender equality and equal opportunities and diversity are fundamental principles in all parts of the University's activities.

Lund University's Faculty of Medicine hereby welcomes applications for a scholarship established for education:

Reference number: V 2024/1086

Placement: Department of Laboratory Medicine, Division of Clinical Genetics

Duration: 3 June 2024 – 9 August 2024

Preliminary start date: 3 June 2024

Application deadline: 2 June 2024

Contact person/supervisor: Axel Hyrenius-Wittsten, +46 739846697, axel.hyrenius_wittsten@med.lu.se

Enhanced specificity of cell-based immunotherapy for acute myeloid leukemia

The purpose of the scholarship is to enable a student to learn more about the design and modulation of primary T cells with the aim of developing new powerful treatment strategies for hard-to-treat cancer. As part of the project, the student will learn to plan and perform cloning of vectors that encode synthetic proteins enabling immunotherapeutic responses based on two or more surface markers on tumor cells. Furthermore, the student will learn to introduce the systems into primary T cells (from anonymous donors) and conduct co-cultures with tumor cells, which will be analyzed mainly by flow cytometry.

The project is an excellent opportunity to learn more about immunology, immunotherapy, and tumor biology, as well as to gain practical experience in molecular biology techniques, cell culture, and flow cytometry/cell sorting.

The research group is active within the Department of Clinical Genetics, conducting world-leading cancer research with strong translational goals. Additionally, the department has extensive collaboration between research groups, a wide range of expertise in various areas, and offers a very open working environment.

Qualifications/abilities required:

- Student at a higher education institution.
- Experience working with primary human T cells, In-Fusion/Gibson cloning, cell culture, CRISPR/Cas9, and flow cytometry.
- Having completed a bachelor's degree project (or equivalent) before the start of the education scholarship.

Written application including reference number is sent by email to the contact person and is to contain:

- CV.
- Covering letter, explaining why the nature of the studies suits the applicant.
- References.
- Documents that show that the student has been admitted to first or second-cycle studies (e.g. LADOK certificate of registration or the equivalent).

Information about receiving a scholarship from Lund University

- The scholarship follows Lund University regulations STYR 2020/1283.
- Scholarships are intended for the recipient's own education and do not represent remuneration for work carried out on the University's behalf.
- The department and the recipient are to formulate, in writing, an agreed study plan for the recipient's development.
- The education scholarship is paid monthly.
- Approved scholarships are reassessed every six months. Scholarship recipients are to complete their education/career development and satisfy attendance requirements in accordance with their course plan/study plan/professional development plan. In the event of misconduct, or if the recipient is not deemed able to complete their education/career development due to illness or on other grounds,

scholarship funds that have been granted but not yet paid may be withdrawn.

- The scholarship is a gift and is therefore not taxed. It is possible that the recipient may be taxed in their home country – something the recipient should investigate beforehand.
- Scholarships do not entitle the recipient to sick pay, parental leave, holiday pay or pensions.
- The recipient is not entitled to subsistence allowance for travel.
- The recipient is protected by insurance coverage but must check their own insurance requirements.
- Scholarships to a single individual at Lund University may not exceed a total of 24 months.
- The recipient is to be treated equally with other students in the same situation regardless of financing while being assured of and contributing to a good work environment.