LiU hereby advertises a Postdoctoral Scholarship in Clinical Chemistry

Research environment

You will take part in research activities within Amanda Welin's research group at the Division of Clinical Chemistry and Pharmacology (KKF). The overall aim of the project is to develop improved diagnostic and predictive tools for hematology and clinical immunology. The project is a collaboration with Sofia Nyström's group at the Division of Molecular Medicine and Virology (MMV).

The scholarship is part of the Medical Inflammation and Infection Center (MIIC) International Postdoc Program.

Research project

Imaging flow cytometry is a state-of-the-art quantitative flow-based image analysis technique. The combination of fluorescence microscopy and flow cytometry enables high-throughput imaging of cells in suspension and quantitative image content analysis. The aim of the project is to develop novel diagnostic tools that employ imaging flow cytometry, to improve diagnosis and aid therapeutic decisions in the acquired autoimmune disorder immune thrombocytopenia as well as in inborn errors of immunity.

You will conduct research using human blood samples, processing them for imaging flow cytometry (ImageStreamX MkII), acquiring data and developing novel analysis strategies. The project involves project management, laboratory work, data analysis and statistical processing, and manuscript writing.

Qualifications and requirements

Scholarships can only be awarded to foreign citizens with a doctoral degree or equivalent obtained in a country other than Sweden. The date of the doctoral degree must be no more than four years before the application deadline, exceptions are made for e.g. parental or sick leave. The applicant must not have been employed by Linköping University previously.

Scholarship may not consist solely of research collaboration with a mutual exchange of methodological and technical expertise but must also contain a well-defined training element and a qualification plan must be established for the scholarship period.

The applicant must have or be about to receive a doctoral degree in a subject relevant to the research project. We are looking for a motivated candidate with a doctoral degree in immunology or a closely related field.

The applicant must have substantial experience of *in vitro* work with primary human immune cells and multi-colour flow cytometry, including panel design, the

development of gating strategies, and statistical analysis. The applicant must be proficient in the Microsoft Office suite, and excellent English language skills are required. We are looking for a candidate with great collaboration and organizational skills as well as a high level of independence.

Experience with imaging flow cytometry is considered a merit, but not a requirement. In addition, previous work with isolated lymphocytes or platelets, experience in immunofluorescence microscopy and GraphPad Prism proficiency are considered merits.

Starting date

January, 2026 (earlier start is possible)

Appointment and Conditions

Appointment is initially for one year with a possibility of an extension up to a total time for receiving a scholarship from Linköping University which cannot exceed two years.

The scholarship amounts to SEK 28,500:-/month (tax-free) (~€ 2,650/month). Funding can be available to participate in conferences.

Essential information about healthcare, insurances etc. can be found here. Questions are welcome to lisa.dobrosch@liu.se

Application procedure

The following documents (in pdf-format) must be submitted when applying for a scholarship

1. Cover letter, max 1 page, describing your background, research interests and what makes you interested in the fellowship.
2. Qualification plan, max 1 page, describing clearly what qualifications you want to obtain during the scholarship period.
3. CV, max 4 pages, including contact details to three reference persons.
4. Full publication list.
5. Copy of passport, PhD diploma, and MSc transcripts with grades.

The application should be sent electronically to lisa.dobrosch@liu.se. Mark the email with Dnr. BKV-2025-00614 on subject line.

Applications deadline

October 19, 2025.