



The Department of Laboratory Medicine, Division of Hematology and Transfusion Medicine hereby announces a postdoc scholarship in Experimental Red Blood Cell Biology

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. The purpose of postdoctoral development is to promote internationalization and contribute to qualifications within research following the completion of a doctoral degree.

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

Reference number: V 2024/778

Placement: Department of Laboratory Medicine, Division of Hematology and Transfusion Medicine

Duration: 2 years

Preliminary start date: 1 June 2024

Application deadline: 12 May 2024

Contact person/supervisor: Prof. Martin L Olsson, +46-46-2223207,
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Genetic and functional characterization of polymorphic red cell surface molecules

The scholarship recipient will be involved in projects with the aim to decipher the genetic basis and function of polymorphic proteins on the red blood cell, i.e. human blood groups. With the purpose to learn about experimental transfusion medicine and red cell surface biology, the

candidate will be exposed to multiple in vitro techniques with ample opportunities to execute experiments with such methods. This may include but is not limited to erythroid culture, knock-down and knock-out principles (e.g. siRNA, shRNA, CRISPR), protein chemistry (e.g. Western blot, protein purification) molecular biology (mutagenesis, vector design, luciferase and electrophoretic mobility shift). Thus, the scholarship recipient will get the chance to improve their skills in a number of areas related to the broad field of study relating to red blood cells, erythroid progenitors and blood group molecules of relevance for hematology and transfusion medicine.

Qualifications:

- To be eligible for a post doc scholarship at Lund University the recipient must hold a PhD degree within a relevant field, preferably with previous experience of blood-related research.
- 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.
- A documented record of scientific publications within the field of blood research, preferably on red blood cells.

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

- 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 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 postdoctoral scholarship is paid quarterly.
- 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.