



LUND
UNIVERSITY

2019-02-20 Ref No: V 2019/355
Announcement Post doc scholarship

Faculty of Medicine
Department of Laboratory Medicine, Lund

Announcement: Post doc scholarship for Studies of human erythropoiesis

Scholarship

We are seeking a highly motivated and ambitious postdoctoral fellow to join a cross-disciplinary team at the Department of Laboratory Medicine at Lund University, Sweden. The project is a joint project between the research groups of Martin L. Olsson (MD, PhD, Prof.) and Johan Flygare (MD, PhD), Kenichi Miharada (PhD), Jenny Hansson (PhD). This position will be mainly supervised by Prof. Olsson.

The overall aim of the research project is to identify yet unknown key regulators of red blood cell production by dissecting the cell surface molecules and mechanisms active in erythroid cells and also the local environment in which early erythropoiesis occurs. The specific focus of the position described herein is to *study the cell and molecular biology of human primary cells and immortalized erythroid cell lines in culture systems or in mature red blood cells in order to identify novel regulators active in the erythropoietic niches*. In parallel, we are seeking two additional postdoctoral fellows who will be focusing on characterizing the niches in mouse and the use of cutting-edge mass-spectrometry-based proteomics approaches to identify the regulators in question, respectively. The three postdoctoral fellows will therefore each specialize within the respective mentioned focus area which is necessary to answer the big question of the large team.

The world-renowned blood and stem cell research environment at the Department of Laboratory Medicine includes the Lund Stem Cell Center with close interactions between around 150 researchers with a focus on stem cell biology of the blood and nervous system. The candidate will be an active part of a stimulating and highly interactive international research environment.

Qualifications required

Candidates are expected to have a strong background in cell biology and molecular biology, especially erythropoiesis and characterization of erythroid cells. Knowledge about red blood cell surface molecules,

including histo-blood groups, is an advantage but not a requirement, as is experience from the fields of hematology, transfusion medicine or proteomics/mass spectrometry.

Essential skills and requirements:

- Documented ability to independently culture cells
- Hands-on experience with flow cytometry, molecular biology and protein biochemistry is essential
- Experience from work with blood cells and their development is an advantage
- Experience from work with bioinformatic methods and statistics is desirable
- Familiarity with different software packages used in the above-mentioned fields is required
- Programming skills are an advantage

Candidates must be highly motivated to pursue postdoctoral studies within an interactive research team. Abilities to work independently as well as part of a team are essential. Excellent verbal and written communication skills in English are required for consideration.

The applicant should not have been employed by Lund University within the last two years in order to be able to receive a scholarship. PhD degree should not be more than three years old at the last day of applying,

Placement: Division of Hematology and Transfusion Medicine

Ref No: V 2019/355

Duration: 2 years

Starting time: 2019-05-01 or as agreed

Last day for applying: 2019-03-31

For further information please contact:

Andrea Nord (andrea.nord@med.lu.se), the administrative coordinator in Prof. Martin L Olsson's laboratory.

Other

Lund University encourages both men and women to apply for the position.

Information regarding post doc scholarships at Lund University

- The scholarship amounts to 25000 SEK/month and is normally paid three months in advance.
- The scholarship is intended for the recipient's own education and does not constitute compensation for work carried out for the University.
- The scholarship is a grant and therefore not subjected to tax deduction.

- The scholarship does not entitle the recipient to compensation in case of illness.
- The scholarship does not constitute a pensionable income.
- The scholarship does not entitle the recipient to vacation.
- The scholarship does not include financial compensation for parental leave.
- The scholarship does not entitle the recipient to allowance during travels in the line of duty.
- The scholarship awarded is to be reviewed by the head of department every six months and the supervisor is to inform the head of department before each review of any significant circumstances.
- Scholarships set up by Lund University for any individual may not run for a period of more than 24 months.
- The scholarship follows the regulations established by the Vice-Chancellor of Lund University (June 27th 2013; Reg. No PE 2013/356).

Application

Application stating the reference number **V 2019/355** and containing a personal letter, CV including list of publications and names and contact information of at least two reference persons, as well as proof of dissertation should be sent to: andrea.nord@med.lu.se.

Last day of application is 2019-03-31.