Announcement: Post doc scholarship in Advanced Proteomics applied to Erythropoiesis

Scholarship
An exciting opportunity for a Postdoctoral Fellow is available immediately in the Proteomic Hematology group of Dr. Jenny Hansson at the Division of Molecular Hematology of the Lund Stem Cell Center, Lund University, Sweden. The Lund Stem Cell Center is a strategic center of excellence in life science, with a strong international position in the area of blood stem cell biology. We are seeking a highly motivated and ambitious postdoctoral fellow with a strong background in mass spectrometry-based proteomics to join a cross-disciplinary research project together with the research groups of Martin L. Olsson (MD, PhD, Prof.), Johan Flygare (MD, PhD) and Kenichi Miharada (PhD).

Background
Blood is a highly dynamic organ. A tightly controlled generation and expansion of red blood cell progenitors is essential to avoid potentially lethal over- or underproduction. The mechanisms governing red blood cell progenitor production remain largely unexplored but are hypothesized to involve regulators made by unknown cells in the microenvironment. We have initiated a research project aimed at identifying factors regulating these fundamental but surprisingly poorly understood processes.

The postdoctoral fellow will use cutting-edge mass-spectrometry based proteomics approaches to identify the regulators active in the erythropoietic niches. This includes the implementation and application of innovative sensitive mass spectrometry approaches for analysis of few primary cells obtained by micromanipulation and FACS. The postdoctoral fellow will be a critical part of a team working to establish novel concepts for how and where red blood cell production is controlled, ultimately providing promising targets for conceptually new pharmaceutical approaches to treat anemia, one of the most common medical conditions globally.

We offer the opportunity to do cutting-edge research and be part of a stimulating scientific community within a world-renowned blood and stem cell research environment that fosters collaboration, innovative thinking and
career development. The postdoctoral fellow will have access to state-of-the-art equipment, facilities, and infrastructure, including next-generation mass spectrometry instrumentation.

**Qualifications required**
Candidates are expected to have a strong background in mass spectrometry-based proteomics and knowledge in quantitative proteomics. Experience with both data-dependent and data-independent acquisition approaches is desirable but not essential. Knowledge in cell biology, especially hematopoiesis and erythropoiesis, is 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 Molecular Hematology  
**Ref No:** V 2019/357  
**Duration:** 2 years  
**Starting time:** 2019-09-16 or as agreed  
**Last day for applying:** 2019-09-05

**For further information please contact:**  
Jenny Hansson, PhD  
jenny.hansson@med.lu.se

**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 2019/357 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: Jenny.Hansson@med.lu.se.

Last day of application is 2019-09-05