Lund University is one of Europe's leading universities. Here, history and tradition lay the ground for the study and research environments of tomorrow. We offer education and research within engineering, science, law, social sciences, economics and management, humanities, theology, fine art, music and theatre. Through interaction with business and the community we ensure that knowledge and innovations benefit society. The University has 47 000 students and 7 200 staff from all over the world, based mainly in Lund, Malmö and Helsingborg. We work with 680 partner universities in more than 50 countries.

Lund University invites applications for the following position:

**Post-doctoral scholarship**

**Placement:** Department of Experimental Medical Science  
**Ref No:** V2021/2361  
**Duration:** 6 months. The scholarship can be drawn for a total of two years.  
**Starting time:** September 15\textsuperscript{th}, 2021  
**Last day for applying:** September 5\textsuperscript{th} 2021

**Description:**

The aim of this scholarship is to study alterations in circulating lipids, which are common risk factors for cardiovascular disease, and the effect of lipid metabolism dysregulation in brain function. We have generated preliminary data that show important interactions between cholesterol and sphingosine-1-phosphate (S1P) in humans that present with reduced cognitive speed. How exactly the interplay between S1P and blood lipids affects the systemic lipid homeostasis with consequences for brain function during dyslipidemia is unknown. Thus, the main goal of this scholarship project is to create a better understanding of the role of S1P in the modulation of systemic lipid metabolism and hence, brain function during dyslipidemia, using mouse and human tissue. Specifically, we aim at identifying blood lipid profiles, including carrier-specific S1P profiles, that may be powerful new markers to predict the risk of developing cognitive dysfunction.

**Qualifications**

- PhD in Metabolic Research, Molecular Medicine or Biomedicine  
- Experience with experimental research animal models
• Expertise in lipid metabolism and/or lipoprotein biology
• Experience with translational research and/or work with human tissue and/or human study analyses (e.g., conventional and exploratory data analysis using SPSS, Python, R etc.)
• Basic knowledge about S1P biology
• Interest in cardiometabolic research
• Proficiency in English
• Collaborative thinking and team spirit
• Flexibility (e.g., project-specific mobility required between Denmark and Sweden)

Eligible candidates must have obtained their PhD within the last three years. Moreover, eligible candidates must not have held positions at Lund University within the last two years.

The application should contain:

Please submit your application with curriculum vitae and PhD Diploma.

Information:

Dr. Anja Meissner
Tel: +46 46 2220641
E-mail: anja.meissner@med.lu.se

Appointment procedure:

Applications with CV is to be sent to Dr. Anja Meissner via e-mail: anja.meissner@med.lu.se

Dnr V2021/2361 shall be indicated on the application.

Information regarding post doc scholarships at Lund University
• The scholarship amounts are paid quarterly.
• The scholarship follows the regulations laid down by the University Vice-Chancellor (LS 2010/68, A13).
• The scholarship is intended for the holder’s own education/professional development and does not constitute remuneration for work or other service that has been carried out or will be carried out on behalf of the University.
• The scholarship does not give any entitlement to sickness benefit, parental allowance, holiday pay or pension.
• The host faculty/department and the scholarship holder shall draw up in writing an agreed plan for the studies/development.
• The Scholarship holder is to be informed about the length of the stay, assured social conditions, and continual review of the scholarship holder’s development.

• The Scholarship holder is to be informed about insurance covering the scholarship holder and the need to check his/her own insurance requirements.

• The scholarship holder is to be treated equally to students/researchers in the same situation but with different sources of funding.

• The scholarship holder is to be assured and to contribute to a good working environment.

• The Scholarship holder is to be informed about the risk of possible retrospective taxation in Sweden in cases where the scholarships are administered and paid out by LU and the scholarship holder gains employment at LU shortly after the period of the scholarship.

• There may be a risk of the scholarship holder being taxed in his/her home country; the scholarship holder should investigate this before the period of the scholarship.