



FACULTY OF MEDICINE

Dnr: V 2023/3168

January 30, 2024

Department of Clinical Sciences, Malmö
Scholarship coordinator

Postdoc Scholarship at the Department of Clinical Sciences, Malmö, Division of cognitive disorder research unit

Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has around 46 000 students and more than 8 400 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 with diverse backgrounds and experiences. We regard gender equality and diversity as a strength and an asset. The purpose of postdoctoral development is to promote internationalization and contribute to qualifications within research following the completion of a doctoral degree.

Lund University, Faculty of Medicine hereby invites applications for a postdoctoral scholarship:

Reference number: V 2023/3168

Placement: Department of Clinical Sciences, Malmö, Division of cognitive disorder research unit

Scholarship period: 2 years

Preliminary start date: August 1, 2024

Last day for applying: May 15, 2024

Supervisor/contact person: Malin Wennström, +46-733720912, malin.wennstrom@med.lu.se

Drivers of vessel pathology in Alzheimer's disease

Blood-brain barrier (BBB) dysfunction and vasculopathy are suggested to contribute to the brain accumulation of amyloid-beta (A β) in Alzheimer's disease (AD) patients. The underlying mechanisms behind the AD-related vasculopathy is still rather unknown. The current postdoc project aims to investigate the potential role of different amyloid peptides and inflammatory events in the vasculopathy using a translational approach, where immunohistology and proteomic studies on both brain and retina samples from AD patients and transgenic AD mice as well as experimental studies on cell culture models are included. We expect the studies to significantly increase our understanding of key mechanisms implicated in BBB dysfunction in AD progression and find ways to reverse such events, thereby push the development of new tailor-made therapeutic and diagnostic tools forward.

Qualifications:

- To be eligible for a post doc scholarship at Lund University the recipient must hold a PhD degree within a relevant field.
- The PhD degree **Should not be older than three years**.
- The applicant should not have been employed at Lund University in the past two years.
- The applicant must be able to write and communicate in good English and have teamwork skills.
- To show strong motivation and ability to work independently
- Have documented research expertise in neurodegenerative/cognitive disorders.

A written application, including reference number, is to be sent via e-mail to the supervisor and must include the following:

- PhD degree certificate
- 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 the regulations established by the Vice-Chancellor of Lund University, Reg. No STYR 2020/1283.
- 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 host faculty/department and the scholarship holder shall draw up in writing an agreed plan for the project/development.
- The scholarship amount is paid out quarterly.
- The granted scholarship is reviewed every six months. Scholarship recipients are to complete their education/career development and be present in line with their project plan/professional development plan. In the event of misconduct, or if the recipients are not deemed able to complete their education/qualification due to illness or on other grounds, scholarship funds that have been granted but not yet paid may be withdrawn.
- Scholarships are tax-exempt. 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.
- The scholarship holder is not entitled to sickness benefit, parental allowance, holiday pay or pension.

- The scholarship holder is not entitled to subsistence allowance during travel.
- The scholarship holder is to be treated equally to employed researchers, and the scholarship holder should be ensured and contribute to a good working environment.