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:** V 2020/495  
**Duration:** 6 months. The scholarship can be drawn for a total of 24 months  
**Starting time:** 2020-04-01 or according to agreement  
**Last day for applying:** 2020-03-13

**Description:**

The Diabetes and Brain Function lab at Lund University investigates the roles of brain insulin signaling that link metabolic and neurodegenerative diseases. Our research focuses mostly on the physiological role insulin signaling controlling astrocyte-neuron interactions, on the involvement of astrocytes in the early neuronal dysfunction caused by insulin resistance, and on the ability of affording neuroprotection by targeting insulin signaling and connected pathways. The lab participates in translational and interdisciplinary collaboration projects. Methods of expertise include mouse behavior testing, brain metabolomics in vivo and ex vivo, immunoblotting methods on subcellular fractions of brain tissue, molecular biology tools for gene expression, histology and immunofluorescence microscopy, isotopic tracing for metabolic flux analysis in vivo and in vitro.

**Qualifications**

- PhD in Biochemistry or similar scientific area
- Demonstrated international research experience
- Good knowledge of brain physiology
• Experience with metabolism analyses, immunoblotting, polymerase chain reaction and/or immunofluorescence microscopy
• Good presentation and writing skills in English

Personal attributes that are required for the position:
• Motivation to pursue the research goals of our lab
• You need to be independent as well as being able to cooperate well in multidisciplinary teams
• Excellent potential for scientific research (formulating and solving research problems)
• Ability to keep traceable research records (documentation of hypotheses, experiments, and data analysis)

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. João Duarte
Tel: -
E-mail: joao.duarte@med.lu.se

Appointment procedure:

Applications with CV is to be sent to HR Coordinator Maria Palmkron via e-mail: maria.palmkron@med.lu.se

Dnr V 2020/495 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.