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 2018/1005  
**Duration:** 6 months. The scholarship can be drawn for a total of two years.  
**Starting time:** 180901  
**Last day for applying:** 180625

**Description:**
The focus of this research group is to understand molecular mechanisms underlying cell fate specification in the developing brain and in human neural progenitor or somatic cells. Our current focus is to learn how to direct and efficiently drive controlled differentiation of human stem cells or somatic cells such as fibroblast into subtype-specific neurons for use in biomedical applications and cell replacement therapy. To this we need to access the function and integration of the newly formed neurons short and long-term after conversion.

**Project**
To establish and improve protocols for direct reprogramming into specific neurons such as interneurons and to assess the synaptic integration and function of these in the brain.

**Position**
The position will involve cell-culture work and electrophysiological recordings from both cell cultures and brain tissue slices using whole-cell patch-clamp technique and single-cell RNA sequencing. Recording of basic electrophysiological functions and data analysis will be performed as tissue preparation procedures.
**Qualifications**
The applicant must hold a PhD in neuroscience. The study will require experience of at least one of the following expertise: i) cell-culture work, ii) whole-cell patch clamp electrophysiology, iii) RNA sequencing. Experience of animal research and virus handling will be merited.

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:**

Associate Senior Lecturer Daniella Ottosson, PhD
E-mail: daniella.ottosson@med.lu.se

**Appointment procedure:**

Applications with CV is to be sent to:

Associate Senior Lecturer Daniella Ottosson, PhD
E-mail: daniella.ottosson@med.lu.se

Dnr V 2018/1005 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.