Announcement of post-doc scholarship at the Department of Clinical Sciences, division of Neurosurgery, Laboratory for Experimental Brain Research

Mechanisms of recovery after experimental stroke

Proposed studies aim at studying mechanisms of structural neuronal plasticity in the post-ischemic brain on the systemic, cellular and molecular level. In addition, studies will focus on the effect of pharmacological treatments to enhance recovery of lost function. Experiments will include in vivo studies with advanced imaging technologies (2-photon microscopy, optical intrinsic imaging, light-sheet microscopy) combined with behavioral tests and endpoint analyses. The applicant needs to have a background as veterinarian, be familiar with in vivo stroke models, 2PLSM, OIS and tissue clearing techniques but also routine biochemistry and immunology techniques as well as cell cultures to perform in vitro ischemia in primary cultures of brain cells.

Reference number: V 2019/770

Scholarship period: The scholarship covers a period of 6 months with possibility of prolongation up to a maximum of 24 months in total.

Preliminary start date: 2019-05-27

Supervisor/contact person: Karsten Ruscher, karsten.ruscher@med.lu.se

Qualifications:

- To be eligible for a post-doc scholarship at Lund University the recipient must hold a PhD degree within a relevant field or an equivalent qualification. The PhD degree must not be from Lund University. The PhD degree must not be older than three years. The applicant must not have been employed at Lund University in the past two years.
- veterinary medical degree
- Methodological portfolio including the above mentioned techniques
Written application, including reference number, is to be sent via e-mail to the supervisor (karsten.ruscher@med.lu.se) and must include the following:

- CV
- Personal letter stating the reasons why the study suits the applicant (maximum one page)
- List of publications
- References (2)
- PhD diploma or equivalent

**Application deadline: 2019-05-10**

**Information regarding scholarships at Lund University**

- The scholarship sum is paid out quarterly
- A scholarship awarded will be reviewed every six months
- Scholarships are tax-exempt
- Scholarships do not give rise to sickness benefits, compensation from the Social Insurance Office or retirement pension.
- A scholarship holder cannot be hired after the scholarship period due to tax reasons.
- The scholarship follows the regulations established by the Vice-Chancellor of Lund University (June 27th 2013; Reg. No PE 2013/356).