Announcement of post-doc scholarship at the Department of Clinical Sciences, division of Neurology, Laboratory of Stem Cells and Restorative Neurology

**Project name:** *In vitro and in vivo* direct reprogramming of somatic neural cells for functional recovery after stroke

The scholarship aim is to perform research to explore the possibility of reprogramming human astrocytes into neurons in vitro for transplantation in stroke-damaged brain and *in vivo* reprogramming of cortical astrocytes into cortical neurons. During the course of the project, postdoc will acquire knowledge about stem cells and their application for treatment of neurological disorders. He/she will have opportunity to learn new methods: animal model for cortical stroke, advanced confocal microscopy, cell sorting and intracerebral transplantation of reprogramed cells as well viral injections. Postdoc will receive scientific supervision, and will attend all postdocs courses provided by Strategic Research Environment StemTherapy. This will provide further education, training for carrier development and formation as strong and competitive scientist.

**Reference number:** 1427

**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:** 2017-12-01

**Supervisor/contact person:** Prof. Zaal Kokaia, +46705365917 zaal.kokaia@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. The PhD degree must not be from Lund University. The PhD degree must not be older than three year. The applicant must not have been employed at Lund University in the past two years.
The postdoc should have the work experience with neural culture system, neurogenesis, and viral construct production. The good knowledge in molecular and cell biology as well as stereotaxic surgery is instrumental for the success of the project.

Written application, including reference number, is to be sent via e-mail to the supervisor 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)

Application deadline: 2017-10-08

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.