Announcement of education scholarship at the Department of Clinical Sciences, division of Infection Medicine

Project name
CULTURE OF HUMAN BRAIN SLICES
Glioblastoma multiforme (GBM) is the most common and most aggressive brain tumour in adults. Despite intense research and clinical efforts, we still lack appropriate *ex vivo* models for human GBM. *Ex vivo* models for human gliomas can enhance our understanding of the glioma biology and facilitate the development of novel personalised treatment strategies. In addition, *ex vivo* GBM models can comply with the combination of genetic aberrations and the specific brain micro-environment where gliomas grow in for a reliable prediction and validation of the effects of different therapeutic modalities (based on 1).

Throughout the extent of the project the student will improve their overall understanding of neuroscience and brain pathologies. The student will develop skills for *in vitro* modelling of glia-like cells using human bone marrow mesenchymal stem cells stromal cells (BM-MSC) as a cell source. Furthermore, the student will acquire knowledge about the latest techniques for cell replacement therapy (CRT), including cell culturing, ELISA analysis and immunocytochemistry.

Bibliography

Reference number: V 2018/2171

Scholarship period: The scholarship covers a period of 6 months with possibility of prolongation up to a maximum of 48 months in total.

Preliminary start date: 2019-03-15

Supervisor/contact person: Tania Ramos Moreno, Tel: 046-2223159, e-mail tania.ramos_moreno@med.lu.se
Qualifications:
- To be eligible for a scholarship at Lund University the recipient must hold a Master degree within a relevant field. The Master degree must not be older than 1 year. The applicant must not have been employed at Lund University in the past two years.
- The person to be recruited should have a great deal of experience in working with animal models. The person should have the skills and expertise in cell culture, immunology, and immunohistochemistry on brain tissue.

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: February 15, 2019

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.