Announcement of post-doc scholarship at the Department of Clinical Sciences, division of Pathology and Oncology

Creating relevant xenografts models in mice for human bladder cancer

The aim of the scholarship is to let the student deepen h/her skills in creating animal models of human cancer. Primarily the student will get experience in creating xenografts of human bladder cancer tumors in experimental mice. Particularly creating xenografts that reproduce the original characteristics of the human tumors. The student will have direct contact with surgeons at the department of Urology that will function as a tutor for bladder cancer clinics. A major emphasis will be to teach the student downstream analyses such as molecular pathology and gene expression analysis applied to data obtained from the experimental systems. This will include, apart from imaging, also statistical/bioinformatical analyses. A major part of the scholarship aims to give the student an opportunity to learn how to analyze the produced tumor xenografts from a genomic perspective.

Reference number: V 2017/1332

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: 2017-10-01

Supervisor/contact person: Mattias Höglund, (46) 46 222 0393, Mattias.hoglund@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 years. The applicant must not have been employed at Lund University in the past two years.
  Requirements
- Broad experience in tumor animal models.
- Accustomed with histological and immunohistochemical analysis, staining and evaluation
- Experience in protein extraction and western blotting
- Experience in RNA extraction and PCR
- Basic knowledge in bioinformatics and statistical analysis.
- Prepared to learn programming in R

**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:** 2017-08-30

**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.