Announcement of post-doc scholarship at the Department of Translational Medicine

WNT5A/Foxy5 receptor involvement in cancer cells

The project aims to elucidate and understand receptor involvement in WNT5A and Foxy5 signalling and how it affects cancer progression and in particular the niche of cancer stem cells. To pursue these aims the applicant will learn to fully master techniques such as to; computer analysis of public data bases, computer modelling of protein-protein as well as ligand-protein interactions, interfere with gene and protein expression by siRNA and CRISP approaches, functional adhesion, migration and invasion analysis of cancer cells that have had specific endogenous proteins deleted. To pursue factor important for tumor progression the applicant must learn to analyse protein expression in clinical material as well as in tumour tissues from animals by immunohistochemistry and how to evaluate such expression in particular in relation to tumour growth, metastasis and recurrence-free-survival. A basic knowledge of these techniques and approaches will significantly increase the chances of these learning processes.

Reference number: V 2021/3257

Scholarship period: The scholarship covers a period of 24 months in total.

Preliminary start date: 2022-01-01

Supervisor/contact person: Tommy Andersson, +46 708 164828, tommy.andersson@med.lu.se

Qualifications:
- To be eligible for a post-doc scholarship at Lund University the recipient must hold a PhD degree within the field of Biotechnology. 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 applicant should have a background in cancer biology.
- The applicant should be well experience in cancer genomics and evaluation of prognostic factors in cancer disease. In order to fully evaluate prognostic factors in clinical materials the applicant must also be experienced in immunohistochemical analysis and evaluation.
- The applicant should be fluent in English, not afraid to take initiatives and be able to communicate well with others and present own research findings for a greater audience at scientific conferences.
- The applicant will interact closely with all members of the research group and therefore it is important that you have an ability to cooperate well with others

**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:** 2021-12-01

**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.