

Postdoctoral scholarship in Molecular Biology

A postdoctoral scholarship is available to study radiation induced DNA-damage and repair in induced pluripotent stem cells (iPSCs) and iPSC derived differentiated cells. The position is in the Johansson-Hammarsten group at the department of Laboratory Medicine, Institute of Biomedicine at the University of Gothenburg, Sweden.

Project Description

The project aims to investigate the differences in radiation-induced DNA-damage response in different normal tissues, using differentiated iPSCs as a model. Mass spectrometry of phosphorylated proteins as well as multi-parameter flow cytometry will be used to detect phosphorylation profiles, while molecular biology techniques such as immuno-blotting and microscopy will be used to validate the data. This project is run in parallel to clinical studies of patient sensitivity to radiation therapy.

Qualifications

We are looking for a candidate who has recently obtained a PhD in molecular and cell biology. The applicant should have documented experience in cell culture, preferably stem cells or iPSCs. Further, documented experience in common molecular biology techniques for DNA, RNA and protein analyses (such as PCR, Q-PCR, cloning, and transfection, immunoblotting, fluorescence microscopy) is required. Experience in mass spectrometry-sample preparation, and flow cytometry is an advantage. Knowledge of DNA-damage repair and radiation biology is also a merit. The candidate is expected to contribute to the design as well as execution of the experimental work. The suitable candidate will be able to work independently and in collaboration with others. Fluency in spoken and written English is essential.

The scholarship

Funding is in the form of a tax-exempt scholarship. The funding is provided by Cancerfonden for a maximum of two years.

How to apply

The position is available immediately, or according to agreement.

Please send your application, containing the following documents in English, to pegah.johansson@gu.se

- A cover letter in which you describe your qualifications and motivation.
- CV and publication list
- Copies of relevant degree certificate(s)
- Names and contact information of at least two reference persons

For further information about the project and the stipend, please contact Johansson at pegah.johansson@gu.se

You are welcome with your application.