

Postdoctoral fellow to study RNA binding proteins

Type of employment: Postdoctoral researcher on stipend, 2 years

Extent: 100%

Location: University of Gothenburg, Sweden

First day of employment: As soon as possible, upon agreement

A postdoctoral position is available immediately to study the role of RNA binding proteins in cancer progression in the Sarshad lab (www.sarshadlab.com) at the University of Gothenburg.

Project Description

In the Sarshad lab, we focus on various RNA-binding proteins (RBPs) and how these contribute to health and disease. The postdoc will be involved in two main projects. Project 1: RNA-binding proteins (RBPs) play a crucial role in cellular processes by interacting with RNA molecules. Modifications of RBPs have emerged as key factors influencing their function in health and disease. The modification of RBPs can impact their binding affinity, stability, and interaction with specific RNA targets. Phosphorylation, acetylation, glycosylation are modifications, among others, contribute to the dynamic regulation of RBPs and play a crucial role in modulating their function in various cellular processes, including cancer development and progression. Investigating these modifications is essential for unraveling the intricate network of molecular events that drive cancer. Project 2: The main RBP of interest in the lab is the Argonaute (AGO) protein. We study the subcellular localization of AGO in relation to its function in mediating RNA interference.

Qualifications

The postdoctoral researcher will work on a project aimed at better understanding the role of RNA-binding protein in cancer cells.

The candidate should have documented track record in biochemical and molecular biology techniques. Essential techniques are: Western blotting, PCR, qRT-PCR, DNA and RNA gel electrophoresis, cloning, and transfections (plasmids and siRNAs). Furthermore, the candidate should have experience in culturing cancer cells. The use and knowledge of bioinformatic tools (such as R or Python) is a plus.

The successful candidate is expected to be highly motivated, capable to plan and execute experiments independently and to actively contribute scientifically to the group. These skills should be reflected in publication records.

Fluency in spoken and written English is a must. A major emphasis will be placed on personal suitability.

How to apply

Please send your application to aishe.sarshad@gu.se

- Cover letter giving a description of previous research experience and a motivation to why you are applying for this position
- CV and publication list
- Copies of relevant degree certificate(s)
- Names and contact information of at least two reference persons

DNR: GU 2023/3424

For further information about the project and position, please contact Aishe Sarshad at aishe.sarshad@gu.se and visit www.sarsahadlab.com

You are welcome with your application.