



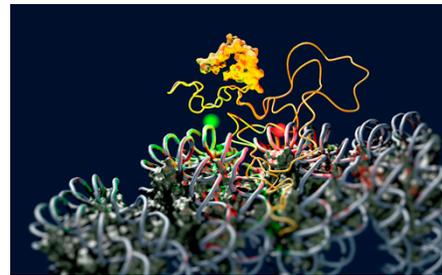
PhD position in molecular biosciences

School of Engineering and Natural Sciences

University of Iceland

The project

The Department of Biochemistry, University of Iceland, invites applications for a research position in molecular biosciences towards a PhD degree. The successful candidate will join the research group led by Dr. Pétur O. Heiðarsson (heidarsson.hi.is) and will work on understanding the interactions of pioneer transcription factors with chromatin and their link to cell reprogramming mechanisms. The candidate will use cutting-edge single-molecule spectroscopy and microscopy as a core technique, in vitro and in vivo.



Funding and collaborations

This project, which is funded with a grant from the European Research Council (ERC), is a multi-national collaboration with research groups in Europe, USA, and Australia, and offers the candidate a possibility for short research visits abroad. The project is also affiliated with the REPIN Center at the University of Copenhagen, which is dedicated to redefining protein interactions within the framework of molecular disorder.

The infrastructure

The work will mainly take place in the newly established Protein Science Core facility in Askja- Building of Natural Sciences, a research unit within the Science Institute, located in the heart of the Science Gardens in Reykjavík. Our infrastructure includes protein expression and purification facilities, structural and functional analysis, and a confocal microscope capable of single-molecule detection. The Protein Science Core is affiliated with the Biomedical Center (lifvisindi.hi.is) linking it to diverse bioscience research, including over 70 PIs and 100 graduate students and postdocs.

The candidate

- Researcher with MSc in biophysics, biochemistry, molecular biology, or related fields.
- Background in single-molecule methodology, protein chemistry, or chromatin biology.
- Excellent computer or data analysis skills, with software such as MATLAB, Mathematica, or similar.
- Good cooperative and social skills, ability to work both independently and in a team.
- Proven proficiency in written and spoken English.

When

The deadline for applying is December 10th 2022, with earliest start of project in January 2023. To apply and for more information, please visit <https://euraxess.ec.europa.eu/jobs/858999>