About The University of Bergen (UiB)

The University of Bergen is a renowned educational and research institution, organised into seven faculties and approximately 54 institutes and academic centres. Campus is located in the centre of Bergen with university areas at Nygårdshøyden, Haukeland, Marineholmen, Møllendalsveien and Årstad.

Sars International Centre for Marine Molecular Biology (Sars Centre) is situated at the Marineholmen campus together with other research institutes at the University. The Sars Centre organized as an independent research centre placed within the faculty of Mathematics and Natural Science and partner with European Molecular Biology Laboratory (EMBL) in Heidelberg, Germany.- Read more here.

Postdoctoral Research Fellow position: Bioinformatic analysis of high-throughput sequencing datasets to study cellular quiescence

Postdoctoral Research Fellow position

There is a vacancy for a 3-years postdoctoral research fellow position at the Sars International Centre for Marine Molecular Biology (www.sars.no/) in the research group of Dr. Patrick Steinmetz. The position is funded by Sars core funding and an NFR FRIPRO grant. The Sars Centre belongs to the University of Bergen, and is a partner of the European Molecular Biology Laboratory (EMBL) www.embl.de/. The place of work will be at the Sars Centre. The preferred starting time is February 2023.

About the project/work tasks:

The research group 'Evolution of nutrient and growth homeostasis in animals' is interested in understanding how animal growth is regulated by feeding using the sea anemone Nematostella vectensis as research organism. A major focus of the lab is to understand how the proliferation of stem and progenitor cell populations is regulated by food availability. We have recently found that a considerable proportion of cells (>5%) exit and re-enter the cell cycle upon starvation and re-feeding, respectively. The successful candidate will analyse data from high-throughput sequencing experiments (bulk and single-cell RNA-Seq and ATAC-Seq) to characterise changes in the transcriptome and chromatin accessibility during the transition between quiescence and cell cycle re-entry. The candidate will be responsible for implementing the analysis pipeline, including quality control of raw reads, mapping, statistical analysis and data visualization. It is possible, but not required, that the candidate contributes to the generation of high-throughput sequencing datasets (e.g. library preparation for bulk RNA-Seq, single-cell RNA-seq, ATAC-Seq). Biological interpretation will be performed in close collaboration with other researchers in the group.

Qualifications and personal qualities:

- The applicant must hold a Norwegian PhD or an equivalent degree in a discipline relevant to the project or must have submitted his/her doctoral thesis for assessment prior to the application deadline. It is a condition of employment that the PhD has been awarded
- The successful candidate must have a good working knowledge of high-throughput sequencing data analysis methods
- Experience of programming in a language relevant for Bioinformatics is essential (e.g. R, Python)
- Experience in working with datasets from 'non-model animals' (e.g. cnidarians, sponges, sea urchins, amphioxus, tunicates,...) is beneficial but not required
- A strong motivation to perform research at an internationally competitive level is expected
- The ability to work both independently and to cooperate with others in a structured manner is essential
- Proficiency in both written and oral English is a requirement
- The application cover letter, in English, must explain the candidate's interest in this workgroup and how the candidate's skillset matches the position

About the position of postdoctoral research fellow:

The position of postdoctoral research fellow is a fixed-term appointment with the primary objective of qualifying the appointee for work in top academic positions. The fixed-term period for this position is 3 years. Individuals may not be hired for more than one fixed-term period as a postdoctoral research fellow at the same institution.

Upon appointment, applicants must submit a project proposal for the qualifying work including a work schedule. It is a requirement that the project is completed in the course of the period of employment.

We can offer:
A professional, challenging and international working environment.
Well-equipped, modern laboratories and facilities
Salary as Postdoctoral Research Fellow (code 1352) according to the state salary scale upon appointment. This currently constitutes of a gross annual salary of NOK 573,900. Further promotions are made according to length of service. For particularly highly qualified applicants, a higher salary may be considered
Enrolment in the Norwegian Public Service Pension Fund
Good welfare benefits

Your application must include:
- A brief account of the applicant’s research interests and motivation for applying for the position
- The names and contact information for two reference persons. One of these must be your main PhD supervisor
- CV including list of published papers and pre-prints
- Transcripts and diplomas and official confirmation that the doctoral thesis has been submitted
- Relevant certificates/references

Please send your application with attachments electronically via JobbNorge by clicking on the button “Apply for this job”. The application and appendices with certified translations into English or a Scandinavian language must be uploaded at JobbNorge. Please note that applications will be assessed only with the information available in JobbNorge when the deadline expires. It is the applicant's responsibility to ensure that all relevant attachments are submitted by the deadline.

Applications by e-mail only will not be considered.

Closing date for application: **25th November 2022**.

General information:
Further information about the position can be obtained from Group Leader Patrick Steinmetz, email: patrick.steinmetz@uib.no.
The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.
The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.
Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.
Further information about our employment process can be found [here](#).

UiB - Knowledge that shapes society
Through robust and close interaction with the world around us - globally, nationally and locally - we shall be instrumental in building a society based on knowledge, skills and attitudes.

Do you want to take part in shaping the future?

Video: [https://youtu.be/oyaThmIq6Kg](https://youtu.be/oyaThmIq6Kg)

Jobbnorge-ID: 234707, Søknadsfrist: 25. november 2022