



The University of Bergen (UiB) is an internationally recognised research university with more than 14,000 students and close to 3,500 employees at six faculties. The university is located in the heart of Bergen. Our main contribution to society is excellent basic research and education across a wide range of disciplines.

Postdoctoral Research Fellow position in Bioinformatics

There is a vacancy for a position as researcher in Computational Biology at the [Department of Informatics](#). The position is for a fixed term period of 3 years.

About the project/work tasks

Coronary artery disease (CAD) is the leading cause of death worldwide. During the last decade, genome-wide association studies have identified hundreds of genetic risk loci for cardio-metabolic disease. An important task is now to understand the molecular mechanisms by which these loci exert CAD risk, and to translate these findings into new therapies and diagnostics. In the STARNET study, genotype and RNA-sequencing data from vascular and metabolic tissues from 600 CAD patients have been generated.

The aim of this project is to exploit this resource by using machine learning methods to link genetic variants with alterations in transcript profiles and gene networks that are causally linked to CAD, and to discover candidate compounds targeting these networks by mining libraries of transcriptional response signatures to small-molecule perturbations.

The successful applicant will work as part of an international team of researchers at the University of Bergen, the Icahn School of Medicine at Mt Sinai and the Integrated Cardio Metabolic Centre at Karolinska Institute, with numerous opportunities for collaboration. For more information about the research group, see <http://lab.michael.info>.

The position also consists of duty work related to teaching, recruitment or dissemination, approximately 20 % distributed across the employment period.

Qualifications and personal qualities:

- Applicants must hold a PhD in Bioinformatics, Informatics, Physics, Mathematics or related field, 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.
- A track record of research outputs, publications in peer reviewed scientific journals and presentations at scientific conferences is a requirement.
- Experience of programming in at least one programming language (C, C++, Java) is a requirement.
- Experience of working in a numerical computing environment (Python, R, Matlab) is a requirement.
- Experience with the analysis of genome-wide data (genome, epigenome or transcriptome sequencing or microarray data) is a requirement.
- Experience with the application of machine learning algorithms to large-scale data is an advantage.
- Applicants must be able to work independently and in a structured manner, and have the ability to cooperate with others.
- Applicants must have excellent skills in oral and written English
- Personal and relational qualities will be emphasized.
- Research experience, ambitions and potential will also count when evaluating the candidates.

About the position of postdoctoral research fellow

The postdoctoral position is a fixed term position with the primary objective of qualifying the appointee for work in top academic positions. The position may be extended by up to one year (maximum 4 years in total) if the appointee is granted externally financed research stays abroad. Individuals may not be hired for more than one fixed-term period as a postdoctoral research fellow at the same institution.

The completion of the project proposal for the qualifying work, as well as a progress plan, will be developed in cooperation with the supervisor and Head of department.

It is a requirement that the project is completed in the course of the period of employment.

We can offer:

- A good and professionally challenging working environment
- Salary at pay grade 59 (code 1352 / pay range 24, alternative 3) according to the state salary scale upon appointment. This constitutes a gross annual salary of NOK 515 200. Further promotions are made according to length of service.
- Enrolment in the Norwegian Public Service Pension Fund
- A position in an inclusive workplace (IW)
- Good welfare benefits

Your application must include:

- A brief account of your research interests and motivation for applying for the position.
- The names and contact information for two referees. One of these should be the main advisor from the PhD programme.
- CV
- Transcripts and diplomas and official confirmation that the doctoral thesis has been submitted
- Relevant certificates/references
- List of any works of a scientific nature (publication list)
- Publications (as applicable)

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at JobbNorge

General information

For further details about the position, please contact: [Professor Tom Michoel](#), Computational Biology Unit, Department of Informatics.

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. Age and gender balance among employees is therefore a goal. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position. We encourage women to apply. If multiple applicants have approximately equivalent qualifications, the rules pertaining to moderate gender quotas shall apply.

Upon the expiry of the closing date for applications, an evaluation committee will be appointed. As an applicant, you have a right of access to the committee's description of your formal and professional qualifications. If you wish to take advantage of this right of access, please contact the executive officer in charge after receiving information about the appointment of the evaluation committee.

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.

Jobbnorge ID: 155161, Deadline: Closed