Postdoctoral Research Fellow in Bioinformatics

Job description

Applications are invited for a 2-year postdoc position in bioinformatics at the Oslo Centre for Bioinformatics, Department of Informatics, University of Oslo.

No one can be appointed for more than one Postdoctoral Research Fellowship at the University of Oslo.

Starting date as soon as possible.

During the two years of employment, the researcher will be responsible for data analytics infrastructure, data management of the available data in the project, and be involved in analysis of these data.

The postdoc will facilitate infrastructure and cross-border genetic and phenotype data consistency, facilitate and participate for big data analytics in comorbidity and trajectory analytical approaches, and towards prediction/stratification. The project is part of a H2020 project funded by the European Union, “CoMorMent, Predicting comorbid cardiovascular disease in individuals with mental disorder by decoding disease mechanisms”.

The project will help identify genetic determinants and pathological mechanisms of comorbid cardiovascular disease in mental disorders and its relationship to behavior and unhealthy lifestyle. The postdoc will work with the secure Nordic data infrastructure (Tryggve) supporting cross-site analyses, and participate in the data management and analysis of large available data to contribute important insight to the field, supported by publications in leading scientific journals.

About Centre for Bioinformatics

The Centre for Bioinformatics is a cross-faculty center hosted at the Department of Informatics, with four research groups. The Centre constitutes the hub of bioinformatics and computational biology at the University and in the Oslo region in general. The competence spans from precision medicine through all aspects of genomics, regardless of species and populations, through to protein structure. The Centre also contains the Oslo node of ELIXIR Norway. ELIXIR is the European research infrastructure, and there is a Norwegian node of this research infrastructure.

The Oslo sub-node of the national infrastructure is hosted within the Center for Bioinformatics, and provides bioinformatics services and infrastructure to all users in the Oslo region, with an emphasis on the biomedical community, and in alignment with the regional Bioinformatics Core Facility. Other relevant infrastructure activity includes work towards data management, international data sharing in both Nordic and European contexts, and furthering of ongoing AI and machine-learning initiatives to support the Centre.

The main purpose of a postdoctoral fellowship is to provide the candidates with enhanced skills to pursue a scientific top position within or beyond academia. To promote a strategic career path, all postdoctoral research fellows are required to submit a professional development plan no later than one month after commencement of the postdoctoral period.

Qualification requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition is to be among Europe’s leading communities for research, education and innovation. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

- Applicants must hold a PhD degree in bioinformatics, computer science or similar. Experience with high-performance computing infrastructure and large genomic data sets is an advantage.
- Doctoral dissertation must be submitted for evaluation by the closing date. Only applicants with an approved doctoral thesis and public defence are eligible for appointment.
- Documented programming skills in R, Python, C, C++ or equivalent are necessary. Experience with container technology and REST API programming would be an advantage
- Fluent oral and written communication skills in English, which is the working language in the project.

Personal Skills

- The candidate must express genuine interest in developing and applying statistical and machine learning methodology to outstanding medical research questions.
- The candidate is used to work in team and has excellent communication skills.
- The candidate has shown the ability to work independently and efficiently.

We offer

- Salary is NOK 523 200 - 605 500 per annum depending on qualifications in a position as postdoc, (position code SKO 1352)
- Attractive welfare benefits and a generous pension agreement
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Professionally stimulating working environment
Postdoctoral development programmes
Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply

The application must include:

- Cover letter (statement of motivation, summarizing scientific work and research interest)
- A CV with full education, positions, academic experiences, details on PhD thesis, detailed computational skills and a list of publications
- Copies of educational certificates, (academic transcripts only)
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

The application with attachments must be delivered in our electronic recruiting system, please follow the link “apply for this job”. Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English (or a Scandinavian language).

In assessing the applications, special emphasis will be placed on the documented, academic qualifications, as well as the candidate's motivation and personal suitability. Interviews with the best qualified candidates will be arranged.

It is expected that the successful candidate will be able to complete the project in the course of the period of employment.

Formal regulations

Please see the guidelines and regulations for appointments to Postdoctoral fellowships at the University of Oslo.

No one can be appointed for more than one Postdoctoral Fellow period at the University of Oslo.

According to the Norwegian Freedom of Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The University of Oslo has an agreement for all employees, aiming to secure rights to research results etc.

The University of Oslo aims to achieve a balanced gender composition in the workforce and to recruit people with ethnic minority backgrounds.

Contact information

Professor Eivind Hovig, ehovig@ifi.uio.no, mob +47 93069881.

For question regarding our application system, please contact HR Adviser Torunn Standaal Gutormsen, phone:+47 22854272, email: t.s.guttormsen@mn.uio.no

About the University of Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 28 000 students and 7000 employees. Its broad range of academic disciplines and internationally esteemed research communities make UIO an important contributor to society.

The Department of Informatics (IFI) is one of nine departments belonging to the Faculty of Mathematics and Natural Sciences. IFI is Norway's largest university department for general education and research in Computer Science and related topics.

The Department has more than 1800 students on bachelor level, 600 master students, and over 240 PhDs and postdocs. The overall staff of the Department is close to 370 employees, about 280 of these in full time positions. The full time tenured academic staff is 75, mostly Full/Associate Professors.

Jobbnorge-ID: 184280, Seknadsfrist: 25. mars 2020