



Jobbnorge ID: 263595
Deadline: 6/11/2024
Website: <http://www.uio.no/>
Scope: Fulltime
Duration: Engagement

PhD candidate in Computational Biology & Gene Regulation

Centre for Molecular Medicine Norway (NCMM), Nordic EMBL Partnership for Molecular Medicine

The Computational Biology & Gene Regulation group led by Anthony Mathelier at the NCMM, a part of the Nordic EMBL Partnership for Molecular Medicine, is seeking an ambitious and highly motivated PhD candidate for a four-year PhD position combined with lab management (25% duty work) funded by NCMM core funding to the Mathelier group, starting in October 2024.

Position Description

The selected candidate will contribute to several projects related to the analysis of transcriptional deregulation in breast cancer to better understand the underlying mechanisms and use the knowledge to subtype breast cancer patients.

Key responsibilities

- Perform next-generation sequencing omics assays such as SLIC-CAGE, scATAC-seq, and SMF.
- Participate in the bioinformatics analyses of the generated data and the interpretation of the results.
- Participate in the data curation for the JASPAR database.
- Write and publish scientific manuscripts presenting the results.
- Present the work at seminars, conferences, etc.

Requirements

The ideal candidate should meet the following criteria:

- Master degree in molecular biology.
- Documented experience in routine molecular biological techniques
 - cell culture
 - PCR
 - qPCR
 - RNA isolation
 - buffer preparation, various reagents, and chemical handlings
- Documented lab experience with library preparation and QC, and the generation of high-throughput bulk and single-cell genomics data.
- Experience with nuclei isolation from tissue
- Knowledge of the SLIC-CAGE or CAGE protocols.
- Knowledge of eukaryotic transcriptional regulation.
- Day to day lab management skills.
- Prior experience with the JASPAR or UniBind databases will be a selective advantage.
- Experience in supervision will be a selective advantage.
- Knowledge of the Single Molecule Footprinting protocol will be a selective advantage.
- Ability to collaborate with researchers from different fields and at different career stages.
- Willingness to be part of a team to share knowledge and skills.
- Documented ability to communicate science.
- Excellent written and verbal communication skills in English.

What we offer

- A salary of NOK 532 200 - 584 500 per annum depending on qualifications in position as PhD candidate (position code 1017)
- A stimulating research project that will have an impact on the scientific community.
- A role within an ambitious and multi-disciplinary team that combines the strengths of both experimental and computational sciences, aimed at delivering high-impact research.
- Attractive welfare benefits including a generous pension agreement.
- A family-friendly environment in Oslo, known for its high quality of life, rich cultural scene, and abundant opportunities for outdoor activities.

Application Procedure

The application must include

Applicants should include (1) a cover letter outlining motivations, career goals, relevant experience, and research interests, (2) a CV with list of publications, and (3) two-three referees contact information. These should be uploaded as a single PDF document in the electronic recruiting system. All documents should be in English.

Interviews with the best qualified candidates will be arranged.

Formal regulations

Please see the [guidelines and regulations](#) for appointments to Research Fellowships at the University of Oslo.

No one can be appointed for more than one PhD Research Fellowship 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 appointment may be shortened/given a more limited scope within the framework of the applicable guidelines on account of any previous employment in academic positions.

The University of Oslo has an [agreement](#) for all employees, aiming to secure rights to research results etc.

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. Furthermore, we want employees with diverse professional expertise, life experience and perspectives.

If there are qualified applicants with disabilities, employment gaps or immigrant background, we will invite at least one applicant from each of these categories to an interview.

Contact information

Inquiries about the position can be directed to [Anthony Mathelier](#)

About the application: [Nina Modahl](#)

About the University of Oslo

The University of Oslo is Norway's oldest and highest ranked educational and research institution, with 28 000 students and 7 500 employees. With its broad range of academic disciplines and internationally recognised research communities, UiO is an important contributor to society.

Centre for Molecular Medicine Norway (NCMM) was established in 2008 and is the Norwegian node in the Nordic EMBL Partnership for Molecular Medicine. NCMM is a joint venture between the University of Oslo, Health Region South-East and the Research Council of Norway. From 2017 NCMM is merged with the Biotechnology Centre of Oslo and now has altogether 11 research groups. The overall objective of NCMM is to conduct cutting edge research in molecular medicine and biotechnology as well as facilitate translation of discoveries in basic medical research into clinical practice.

Additional information

Place of service:

Oslo Science Park 0349 Oslo (Oslo Municipality)