Researcher in immunogenetics

Job description

A one-year position for a Researcher (position code 1108) is available at the Department of Medical Genetics, Institute of Clinical Medicine, University of Oslo.

More about the position

The position will be part of the project entitled The regulatory role of genetic risk factors for autoimmune diseases on thymic antigen presenting cells and self-tolerance, which is financed by the Research Council of Norway.

The project is anchored in the research group Genetics of Autoimmunity led by Professor Benedicte A. Lie. For more details about the group, please visit this web site

The objective of the overall project is to reveal the regulatory role of autoimmune risk variants in human thymic antigen presenting cells by cellular, transcriptomic and epigenetic characterization of existing cell populations in the human thymus. Next, the correlations between risk alleles and expression profiles, alternative splicing and the binding of key transcription factors will be explored employing a variety of advanced wet-lab techniques including conventional and single-cell RNA-sequencing and ChIP-seq, as well as biostatistics and bioinformatics analyses.

The announced position will focus on ChIP sequencing of three important transcription factors in thymus to identify their binding sites. The position will require laboratory work and some data analyses.

Qualification requirements

- Master in molecular biology or related fields.
- Experience in working with DNA, RNA, proteins and cells, including cell lab work, is needed.
- Practical skills in PCR, antibody titration, chromatin precipitation, and preparation of sequencing libraries are required.
- Skills in bioinformatic and biostatistical analyses using R are warranted.
- The candidate must be fluent in English.
- Knowledge in immunology and autoimmunity will be an asset.

Personal skills

We are looking for highly motivated, hard-working and organized candidate. The successful candidate should have a genuine interest in the research topic. Therefore, the candidate needs:

- Strong scientific interest and analytical skills.
- Capability to work both independently and as a team player.
- Willingness to learn new skills both regarding lab work, data analyses and scientific writing
- Personal suitability for the position as well as genuine motivation for the project.

We offer

- Salary NOK 479 600 - 523 200 per annum depending on qualifications in position as Researcher, position code 1108
- A professionally stimulating working environment
- Attractive welfare benefits and a generous pension agreement
- Vibrant international academic environment

How to apply

The application must include:

- Cover letter (statement of motivation, summarizing scientific work and research interests)
- CV (summarizing education, positions, pedagogical experience, administrative experience and other qualifying activity)
- Copies of educational certificates (academic transcripts only) and other documented achievements
- List of 2-3 references (name, relation to candidate, e-mail and phone number)

The application with attachments must be delivered in our electronic recruiting system Jobbnorge. Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English.

Formal regulations
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 Benedicte Alexandra Lie, phone number: +47 48 29 44 41, e-mail: b.a.lie@medisin.uio.no
- HR Adviser Karoline Berg-Eriksen (questions regarding the online application form), e-mail: Karoline.berg-eriksen@medisin.uio.no

**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 7000 employees. With its broad range of academic disciplines and internationally recognised research communities, UiO is an important contributor to society.

The Institute of Clinical Medicine (Klinmed) is one of three institutes under the Faculty. Klinmed is responsible for the Faculty's educational and research activities at Oslo University Hospital and Akershus University Hospital. With about 800 employees spread over approximately 425 man-labour years, Klinmed is the university’s largest institute. Our activities follow the clinical activity at the hospitals and are spread across a number of geographical areas.

Jobbnorge-ID: 186304, Søknadsfrist: 13. mai 2020