



UNIVERSITETET I OSLO

Jobbnorge ID: 258505
Deadline: 4/2/2024
Website: <http://www.uio.no/>
Scope: Fulltime
Duration: Fixed Term

Department of immunology, Division of Laboratory Medicine, Institute of Clinical Medicine

PhD Research fellow in Experimental Immunology

Job description

Applications are invited for a 3-year position in a Research Fellowship as PhD Candidate in Experimental Immunology to be based at the Department of Immunology, Division of Laboratory Medicine, Institute of Clinical Medicine, University of Oslo.

The position is available from March 2024 with a flexible start between March and September 2024. It will be located in Dr. Greiff's laboratory (Lab for Computational and Systems Immunology, greiffiab.org) and Dr. Fridtjof Lund-Johansen's lab. The European Research Council funds the position.

More about the position

The research fellow must take part in the University's approved PhD program and is expected to complete the project within the set fellowship period. The main purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The candidate will develop novel experimental approaches for analyzing antibody binding at high-throughput using sequencing, library, array, structural and bioinformatics approaches.

The Greiff Lab focuses on the quantitative understanding of adaptive immune receptor (antibody and T-cell receptor) specificity using high-throughput experimental and computational immunology combined with machine learning. The long-term aim is to conceive in-silico novel immunodiagnosics and immunotherapeutics using the disease-diagnostic information and therapeutic potential that is directly encoded into adaptive immune receptors.

Recent publications by Dr. Greiff may be found on google scholar. The Lund-Johansen lab focuses on array-based protein analysis for, for example, testing the specificity of antibodies to human proteins and screening for autoantibodies in serum from patients with auto-immune disease and cancer. Recent publications by Dr. Lund-Johansen may be found on google scholar.

Qualification requirements Personal skills

- Applicants must hold a Master's degree (120 ECTS) in Biology, Biochemistry, Molecular Biology, Immunology, Microbiology or related disciplines, a minimum grade B (ECTS grading scale) or equivalent. The Master's degree must include a thesis of at least 30 ECTS.
- Molecular biology experience is a requirement. This includes the design of DNA constructs with relevant software, gene cloning, propagation of plasmids in bacteria, plasmid preparation, gene expression, and PCR.
- Experience in techniques for screening plasmid libraries, such as phage display and yeast display is an advantage.
- Experience with techniques to isolate and characterize antibodies is an advantage.
- Experience with flow cytometry is an advantage.
- Experience in antibody immunology is an advantage
- Experience in NGS library preparation and bioinformatics analysis is an advantage
- Fluent oral and written communication skills in English.

Personal skills

The candidate will work in a very ambitious interdisciplinary setting which will require high flexibility, good communication, and collaboration skills.

We offer

- Salary NOK 532 200 - 575 400 per annum in a position code SKO 1017 depending on qualifications
- attractive welfare benefits and a generous pension agreement, in addition to Oslo's family-friendly environment with its rich opportunities for culture and outdoor activities
- a highly ambitious and collaborative work environment

How to apply

The application must include

- Cover letter statement of motivation and research interests
- CV (summarizing education, positions and academic work)
- copies of educational certificates (academic transcripts only)
- list of reference persons: 2-3 references (name, relation to candidate, e-mail and phone 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).

Applicants may be called in for an interview.

Contact information

Associate Professor Victor Greiff, e-mail: victor.greiff@medisin.uio.no, www.greifflab.org.

Dr. Fridtjof Lund-Johansen, e-mail: fridtjof@gmail.com, <https://www.ous-research.no/home/lund-johansen/Scientitsts/6900>

HR-adviser Mija Nikolaisen, (questions regarding the online application form), e-mail: mija.nikolaisen@medisin.uio.no

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.

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.

Additional information

Place of service:

Sognsvannsveien 20, Rikshospitalet 0372 Oslo (Oslo Municipality)