Postdoctoral Research Fellow Position in Structural Biology/Immunology

Job description

A two-year full-time position as Postdoctoral Research Fellow (SKO 1352) in Structural Biology/Immunology is available in the research group of Professor Ludvig M. Sollid at the Department of Immunology, Institute of Clinical Medicine, Faculty of Medicine, University of Oslo. The Sollid group has been selected as one of five world-leading research groups at the UiO.

More about the position

The project topic is recognition of deamidated gluten peptides by antibodies of celiac disease patients. The successful applicant will share time between two research groups, one headed by Ludvig M. Sollid working on immune dysregulation in autoimmune disease and one headed by Dr. Bjørn Dalhus working on structural biology of molecules relevant to biomedicine, please see this sites: [https://www.med.uio.no/klinmed/english/research/groups/functional-immunogenetics/index.html](https://www.med.uio.no/klinmed/english/research/groups/functional-immunogenetics/index.html) and [https://www.med.uio.no/klinmed/forskning/grupper/strukturbiologi-dna-reparasjon/index.html](https://www.med.uio.no/klinmed/forskning/grupper/strukturbiologi-dna-reparasjon/index.html) for further information.

The project is about the structural basis for recognition of deamidated gluten peptides by antibodies that are highly specific for celiac disease. Recombinant monoclonal antibodies have been generated from single plasma cells of celiac disease lesions in the gut, and the successful candidate will study by structural biology means how these antibodies recognize the gluten antigen. The candidate will work with protein production and purification, x-ray crystallography, cryo electron microscopy and other structural biology tools.

The main purpose of the fellowship is to qualify researchers for work in higher academic positions within their disciplines.

Qualification requirements

- Applicant must have a project-relevant PhD degree (or other corresponding education equivalent to a Norwegian doctoral degree).
- We are looking for a highly motivated and structured candidate with strong background in protein biochemistry.
- Extensive experience from structural biology work using x-ray crystallography and different methods for biophysical characterization of proteins and complexes is required.
- Experience with sample preparation and/or analysis of data for cryo electron microscopy and/or SAXS is also required.
- Fluent oral and written communication skills in English

The position is also open for candidates who have completed a Postdoctoral Research Fellow period at UiO. These candidates will be evaluated for a two year position as a Researcher (SKO 1109).

We offer

- A challenging and friendly working environment.
- Salary NOK 523 200 to NOK 583 900 per annum depending on qualifications in position as Postdoctoral Research Fellow (SKO1352) or Researcher 1109 (SKO1109).
- Attractive welfare benefits and generous pension arrangement.

How to apply

The application should include:

- Application letter, including a ½ page motivation statement and research interests.
- CV (summarizing education, positions, academic work, scientific publications and other relevant activities)
- Copies of educational certificates and grades.
- Letters of recommendation
- A list of publications and academic work that the applicant wishes to be considered by the evaluation committee (publications themselves should not be enclosed).
- Names and contact details of 2 referees (name, relation to candidate, e-mail and telephone number).

The application with attachments must be delivered in our electronic recruiting system, please follow the links “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).
The application with the required attachments should preferably constitute as few files as possible, preferably 1-2 files.

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**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 Ludvig M. Sollid, e-mail: l.m.sollid@medisin.uio.no
- Dr. Bjørn Dalhus, e-mail: bjorn.dalhus@medisin.uio.no
- HR-advisor 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.

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