



PhD Research Fellowship in Cell Biology/Cellular Immunology

Job description

Position as PhD Research Fellow in Cell Biology/Cellular Immunology available at the Department of Biosciences, Faculty of Mathematics and Natural Sciences, University of Oslo. The project is a collaboration between the Section for Physiology and Cell Biology (FYSCELL) and the Centre for Ecological and Evolutionary Synthesis (CEES).

The candidate for this position will work towards the identification and characterization of new molecules and pathways regulating the intracellular traffic of the major histocompatibility complex (MHC II) molecules leading to antigen presentation. The project will also have emphasis on the study of antigen loading and presentation in codfishes, which lack MHC II and the MHC II pathway and thus, do not harbour this part of the specific immune system. This project uses cutting-edge technology including live cell imaging, mRNA sequencing, bioinformatics and proteomics.

Most of the laboratory work of this project is located at the research groups of Associate Professor Cinzia Progida and Professor Oddmund Bakke, at the Section for Physiology and Cell Biology (FysCell), Department of Biosciences, UiO. mRNA sequencing and bioinformatic analyses will be carried out under the supervision of Dr. Sissel Jentoft and researchers at the Centre for Ecological and Evolutionary Synthesis (CEES), Department of Biosciences, UiO. The project will be conducted in collaboration with international groups and involves potential research stay abroad for the Research Fellow.

The Department of Biosciences harbors the Eurobioimaging Advanced imaging node [NorMIC](#) Oslo with access to a wide range of the latest imaging equipment and methods, an EM-lab, the Norwegian Sequencing Centre (NSC) and Proteomics services.

More about the position

The fellowship will be for a period of 3 years, or for a period of 4 years with 25 % compulsory work (e.g. teaching responsibilities at the department) contingent on the qualifications of the candidate and the teaching needs of the department.

Starting date no later than 01.10.2019

Qualification requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition of being a leading research faculty. Candidates for these fellowships will be selected in accordance with this and they are expected to be in the upper segment of their class with respect to academic credentials.

- Master's degree or equivalent in cell or molecular biology
- Foreign completed degree (M.Sc.-level) corresponding to a minimum of four years in the Norwegian educational system
- Candidates without a Master's degree have until 30.06.2019 to complete the final exam
- Experience with eukaryotic cell cultures microscopy techniques and/or transcriptomic analyses will be considered an advantage

Grade requirements:

The norm is as follows:

- The average grade point for courses included in the Bachelor's degree must be C or better in the Norwegian educational system
- The average grade point for courses included in the Master's degree must be B or better in the Norwegian educational system
- The Master's thesis must have the grade B or better in the Norwegian educational system
- Fluent oral and written communication skills in English <http://www.mn.uio.no/english/research/phd/application/application.html>

The purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The fellowship requires admission to the PhD programme at the Faculty of Mathematics and Natural Sciences. The application to the PhD programme must be submitted to the department no later than two months after taking up the position. For more information see:

<http://www.uio.no/english/research/phd/>

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We offer

- Salary NOK 472 300 - 515 200 per annum depending on qualifications in a position as PhD Research fellow (position code 1017)
- Attractive [welfare benefits](#) and a generous pension agreement
- Vibrant international academic environment

- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply

The application must include

- Application letter
- CV (summarizing education, positions and academic work - scientific publications)
- Copies of the original Master's degree diploma, transcripts of records and letters of recommendation
- Documentation of English proficiency
- A brief account (one page, as a separate file) of the applicant's interest and motivation for applying for the position
- List of up to 3 publications and academic work that the applicant wishes to be considered by the evaluation committee
- 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.

Applicants may be called in for an interview.

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 and 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.

Contact information

For further information please contact:

Associate Professor Cinzia Progida: c.a.m.progida@ibv.uio.no, Dr. Sissel Jentoft: sissel.jentoft@ibv.uio.no, or Professor Oddmund Bakke: oddmund.bakke@ibv.uio.no.

For questions regarding the recruitment system please contact: HR-officer Nina Holtan: nina.holtan@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.

Department of Biosciences (IBV) is one of nine departments at the Faculty of Mathematics and Natural Sciences. Research in the department is organised in five sections covering topics within biochemistry, molecular biology, physiology, cell biology, genetics,

aquatic biology, toxicology, ecology, and evolutionary biology. Education across these topics is offered for around 380 bachelor, 170 master, and 75 PhD students. With 52 permanent professors/associate professors, post-docs, researchers, technical, and administrative personnel, the Department has a total staff of 340 from more than 30 different countries. The Department aims to maintain high international standards within both research and teaching. The new bachelor program in bioscience is the first of its kind to include programming and computational modelling as core elements.

Jobbnorge-ID: 171167, Søknadsfrist: Avsluttet