



UNIVERSITETET
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Jobbnorge ID: 231713

Deadline: 9/30/2022

Website: <http://www.uio.no/>

Scope: Fulltime

Duration: Project

Phd in Molecular Nutrition

Job Description

A 3-year Ph.D. position is available at the Institute of Basic Medical Sciences, Department of Nutrition Research. The position is part of a preclinical project titled "Targeting Aryl Hydrocarbon Receptor for Breast Cancer Treatment and Improved Immunotherapy". The main purpose is to investigate whether targeted inhibition of aryl hydrocarbon receptor activity alone or in combination with immune checkpoint inhibitors can be used to treat tumour growth in preclinical animal models (mice).

More about the position

The project is linked to the University of Oslo, Department of Basic Medical Sciences, Department of Nutritional Sciences. Project manager is Professor Jason Matthews.

Work responsibilities:

- Involved in laboratory work such as isolation of tumours, tissues and blood cells from mice, flow cytometry, RNA and DNA isolation, PCR analyses, RNA sequencing, ELISA, ex vivo and in vitro cell tests.
- Responsible for animal experiments, and breeding and maintenance breeding of genetically modified mouse strains.
- Responsible for statistical analyses, processing, and data presentation.

We are interested in qualified and motivated applicants and offer competence development within molecular nutrition and cancer research in a stimulating academic environment. The appointment is for a period of three years.

The research fellow must take part in the Faculty'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 applicant must, in collaboration with her/his supervisor, within 2 months after employment, have worked out a complete project description to be attached to the application for admission to the doctoral program. For more information, please see our [website](#)

Qualification requirements

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

- The applicant must document the following qualifications: either a medical degree (M.D. or equivalent such as cand. med.) or a master's degree (120 ECTS; minimum grade B ECTS grading scale) or equivalent. The master's degree must include a thesis of at least 30 ECTS and be in a subject relevant to the positions, such as biology, medicine, molecular biology, pharmacology & toxicology, chemistry or biochemistry.
- The average grade point for courses included in the Bachelor's degree must be C or better in the Norwegian educational system
- Ability to work independently as well as in a team
- Proficiency in spoken and written English
- It is desirable that the candidate has previous experience with molecular and cell biology and work with preclinical mouse models.
- Previous experience within the same field is emphasized.
- Previously published scientific work or manuscripts will also be emphasized

Personal skills

- Scientifically curious and proactive, with drive and commitment to work on an interdisciplinary project.
- Ability to work independently as well as a part of a team.
- Good presentation skills.
- High working capacity and productivity.
- Is motivated and solution-oriented.
- Is flexible and effective.

We offer

- Salary NOK 501 200 - 544 400 per annum depending on qualifications in a position as PhD Research fellow, (position code 1017)
- An ambitious and exciting research project in a stimulating and friendly scientific environment with good national and international connections and excellent opportunities for academic development
- Attractive welfare benefits and a favorable pension agreement, in addition to Oslo's family-friendly environment with its rich opportunities for culture and outdoor activities

How to apply

The application must include:

- Application letter including a personal statement explaining the desire to pursue a PhD
- CV that summarizes education, positions and relevant work experience
- Optional: List of publications (please do NOT append the publications)
- Copies of educational certificates and transcript records
- List of 3 references stating relation to the candidate, and their contact information

The application with attachments must be uploaded to our electronic recruiting system by following the link "apply for this job". Foreign applicants must attach an explanation of their University's grading system. Please note that all documents should be in English (or a Scandinavian language).

When evaluating the application, emphasis will be given to the applicant's academic and personal prerequisites to carry out the project. Applicants may be invited to an interview and practical tests.

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 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.

Kontaktinformasjon

Professor Jason Matthews, epost: jason.matthews@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 Basic Medical Sciences overall objective is to promote basic medical knowledge in order to understand normal processes, provide insight into mechanisms that cause illness, and promote good health. The Institute is responsible for teaching in basic medical sciences for the programmes of professional study in medicine and the Master's programme in clinical nutrition. The Institute has more than 300 employees and is located in Domus Medica.

Additional information

Place of service:

Domus Medica 0316 Oslo (Oslo Municipality)