PhD Research Fellow Position Examining Cardiac Disease in Atlantic Salmon at IEMR

Job description

Applications are invited for a 3-year PhD position examining cardiac disease in Atlantic salmon to be based at the Institute for Experimental Medical Research (IEMR), University of Oslo. Funding is provided from the Norwegian Research Council. The project will be conducted in the group of Professor William Louch and lead by Dr. Michael Frisk.

More about the position

Cardiomyopathy syndrome (CMS) is a severe cardiac disease in Atlantic salmon (Salmo salar). Over the last decade, it has become one of the leading causes of morbidity and mortality in the salmon aquaculture industry. Yet, there is currently no cure or treatment for this condition.

Using advanced methodology from human medicine, the present project is aimed at understanding the cause and mechanisms of CMS from a physiological, morphological and molecular perspective. These examinations will involve the use of advanced imaging techniques and molecular methods. In addition, the potential of non-mortal prognostic and diagnostic tools, known from mammalian heart diseases, will be evaluated in farmed salmon. The gathered knowledge will ultimately form the basis for developing CMS therapies by utilizing disease models.

Some fieldwork must be anticipated.

The interdisciplinary approach of the project, spanning human and piscine medicine, is expected to qualify the successful applicant for a range of higher academic positions.

The research fellow must take part in the University’s/ Faculty’s/ Department’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 web site https://www.med.uio.no/english/research/phd/application/index.html

Qualification requirements

We seek talented and highly motivated candidates of all nationalities who have a keen interest in piscine cardiovascular physiology and pathophysiology. The applicants are expected to hold an MSc degree in comparative biology, field biology, physiology, cell biology or a related field and have a good command of English. Value will be placed on compatibility of the applicant’s professional and personal disposition. Experience in working with fish, techniques for field sampling and imaging, microscopy, cell biology, or molecular biology are considered an asset.

We offer

- a stimulating, challenging and friendly international working environment with broad expertise.
- salary of 479,600-523,200 NOK/year depending on qualifications and according to position code 1017 PhD Research Fellow.
- 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
- skilful, experienced and creative research colleagues

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)
- a complete list of publications and academic works
- 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).

In assessing the applications, special emphasis will be placed on the documented, academic qualifications in regards to the project description, and the candidate’s motivation and personal suitability. Interviews with the best qualified candidates will be arranged.
It is expected that the successful candidate will be able to complete the project in the course of the period of employment.

**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.

**Contact information**

Dr. Michael Frisk, email michael.frisk@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.

The Institute for Experimental Medical Research (IEMR) employs ≈ 70 people and consists of six main research groups with backgrounds in various fields of molecular biology, physiology and cardiology. See [http://www.iemf.no/](http://www.iemf.no/) for more information about IEMR.

Jobbnorge-ID: 184646, Søknadsfrist: 25. april 2020