



# Researcher Position in Examining Structure/Function of Cardiac Muscle Cells at IEMR

## Job description

Applications are invited for a position as Researcher in Examining Structure / Function of Cardiac Muscle Cells to be based at the Institute for Experimental Medical Research (IEMR), University of Oslo.

The position will be 2 years in duration, with possibility for prolongation. Funding will be provided from a Consolidator Grant from the European Research Council and from the Faculty of Medicine at the University of Oslo. IEMR employs  $\approx$  70 people and consists of six main research groups with backgrounds in various fields of molecular biology, physiology and cardiology. The project will be conducted in the group of Professor William Louch. The group is part of the Center for Heart Failure Research which promotes extensive collaboration and provides a fruitful research environment within the Oslo region.

## More about the position

Contraction and relaxation of cardiac muscle cells, and thus the whole heart, are critically dependent on dyads. These structures allow efficient control of calcium release into the cytosol, and also its removal. Dyads are formed gradually during development and break down during disease. However, the precise nature of dyadic structure is unclear, as are the triggers and consequences of altering dyadic integrity during diseases such as heart failure.

The present project is aimed at examining these questions, and will employ advanced cellular imaging techniques (super-resolution and electron microscopy), together with experiments focused on cellular and molecular biology. The project has highly qualified national and international collaborators.

## Qualification requirements

We are looking for talented and highly motivated candidates of all nationalities who have a keen interest in cellular and cardiovascular research. The applicant is expected to hold a PhD degree in human biology, 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 with techniques for imaging, cell biology, electrophysiology, molecular biology, viral transduction, or mathematical modeling is considered an asset.

### Education field

- Biology
- Biomedical Laboratory Sciences
- Medical / Health / Social subjects

### Education level

- University, PhD

## We offer

- A stimulating, challenging and friendly international working environment with broad expertise
- Salary in the range of pay grade 524.200 - 586.500 NOK/year depending on qualifications and according to position code 1109 Researcher with PhD.
- Favorable welfare and pension arrangements Technical assistance and training

## How to apply

The application must include

- cover letter (statement of motivation, summarizing scientific work and research interest)
- CV (summarizing education, positions, pedagogical experience, administrative experience and other qualifying activity)
- copies of educational certificates (academic transcripts only)

- a complete list of publications
- 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. 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, the project description (whenever this is required in the call for applicants), and the quality of the project as well as the candidates 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

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 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

Title: Professor William Louch, email [w.e.louch@medisin.uio.no](mailto:w.e.louch@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) is situated at Oslo University Hospital Ullevål. IEMR was established in 1951 by professor Carl Semb.

[More info](#)

Jobbnorge-ID: 167990, Søknadsfrist: Avsluttet