



UNIVERSITETET  
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**Jobbnorge ID:** 188329  
**Deadline:** 8/5/2020  
**Website:** <http://www.uio.no/>  
**Scope:** Fulltime  
**Duration:** Fixed Term

## PhD research fellowship on molecular signalling mechanisms in the heart

### Job description

A three-year full time PhD Research Fellowship (position code 1017) is available in the research group <https://www.med.uio.no/klinmed/english/research/groups/receptors-signalling-cardiac-pharmacology/index.html> at the Department of Pharmacology, Institute of Clinical Medicine, Faculty of Medicine, University of Oslo.

### More about the position

The PhD student will be part of a team working on the project Natriuretic PEptide Signalling in the HEART: Mechanisms, compartmentation and mitochondrial effects, funded by the Research Council of Norway. The research group has high activity and international collaboration and several ongoing projects on cardiovascular medicine and function. The postdoc will work in a team with several researchers and engineers. Supervisors will be Researcher Lise Román Moltzau, Associate professor Kjetil Wessel Andressen and Professor Finn Olav Levy.

Natriuretic peptides are cardiac hormones implicated in new treatment of heart failure, and a new drug that increases the levels of these hormones was recently approved for heart failure treatment. The main objective of the project is to understand novel aspects of the signalling mechanisms and cardiac effects of natriuretic peptides, and especially to investigate how they affect mitochondria.

The work will involve isolated heart cells and mitochondria and the use of novel biosensors for signalling molecules and other relevant methods to study various signalling pathways and molecular effects and their consequences for cardiac function and disease.

The research fellow must take part in the Faculty of Medicine approved PhD program and is expected to complete the project within the set fellowship period. The applicant must, in collaboration with her/his supervisor, within 3 months after employment, have worked out a complete project description to be attached to the application for admission to the doctoral program. The main purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The research fellow is expected to take active part in the research cooperation within the project and to follow the PhD program at the Faculty of Medicine. This includes courses both locally at the university and abroad. Furthermore, the fellow will be encouraged to present the research regularly both in the department and at international scientific conferences

### Required skills, qualifications and experience

- Master degree or equivalent in medicine, pharmacy, pharmacology, biochemistry, molecular biology, cellular biology, physiology or related fields.
- Experience and practical skills in molecular biology is an asset.
- Experience and practical skills working with research animals (Felasa C certificate) is an asset.
- Knowledge in pharmacology is an asset.
- Fluent oral and written English skills is an asset.

### Personal skills

- We are looking for a highly motivated, hard-working and organized candidate with ability to work both alone and in a team.
- The successful candidate should have a genuine interest in research and in pursuing a doctoral degree.

### We offer

- An exciting research environment with opportunities for academic development.
- Pay Grade from NOK 479 600 to NOK 523 200, depending on qualifications.
- Favorable [pension arrangements](#)
- Attractive [welfare arrangements](#)

## How to apply

The application must include

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- Application letter describing the applicant's qualifications and motivation for the position
- CV (summarizing education, positions and academic work - scientific publications)
- Letters of recommendation or 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, who are invited for an interview, are asked to bring educational certificates, diploma or transcript of records.

## 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

- Professor Finn Olav Levy, phone number +47 22840237 / +47 47271676, e-mail: [f.o.levy@medisin.uio.no](mailto:f.o.levy@medisin.uio.no)
- HR-adviser Karoline Berg-Eriksen, (questions regarding the online application form), e-mail: [Karoline.berg-eriksen@medisin.uio.no](mailto: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.

## Additional information

### Place of service:

P.O. Box 1072 Blindern 0316 Oslo (Oslo Municipality)