



PhD Research Fellow in “Organ on a chip” development

Job description

Applications are invited for a 3 year position as a PhD Research Fellow at the newly established Centre of Excellence “[Hybrid Technology Hub](#)” at the University of Oslo, Norway. The overall objective of the Hybrid Technology Hub is to develop a “organ on a chip” platform that reproduces core energy metabolism within energy regulating organs of the human body and which will allow real time data acquisition upon exposure to therapeutic tools.

The Centre of Excellence “[Hybrid Technology Hub](#)” is located at the Institute of Basic Medical Sciences, at the University of Oslo, with partners in UK at the University of Glasgow (Prof. Nikolaj Gadegaard) and Imperial College, London (Prof. Molly Stevens).

More about the position

The available position is a PhD fellowship in adapting human micro-tissue onto a microfluidic platform with the aim of measuring energy metabolism in healthy and diseased tissue. The PhD fellow will be part of a large collaborative interdisciplinary team that consists of basic scientists, clinicians, bioinformatics, physicists, chemists and will closely interact with other post-doctoral and PhD fellows funded by a complementary program at the University of Oslo and Oslo University Hospital. It is expected that the PhD candidate will be involved in high-impact publications and have an eagerness for career development.

The position is available for 3 years.

The research fellow must take part in the Faculty’s approved PhD program. See [more information here](#). The main purpose of the fellowship is research training leading to the successful completion of a PhD degree.

Qualification requirements

- Applicants must hold a Master’s degree with a strong scientific background relevant to the position (should have minimum grade B, ECTS grading scale)
- Scientific creativity and ability to drive own research ideas to a successful conclusion
- Excellent written, oral and presentation skills (English)
- Proven ability to work and collaborate within a multidisciplinary environment
- Applicants must have essential expertise in differentiation, handling of pluripotent stem cells

The following desirable skills will count in the assessment of the applicants:

- Expertise in cell biology and disease models
- Result oriented
- Structured
- Accurate
- Good communication skills
- Enthusiasm
- Entry-level leadership potential

We offer

- Salary NOK 449 400 - 505 800 per annum depending on qualifications in a position as PhD Research fellow, (position code 1017)
- Attractive welfare benefits and a generous pension agreement, in addition to Oslo’s family-friendly environment with its rich in opportunities for culture and outdoor activities
- A friendly and stimulating working environment

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 at least two reference persons (name, relation to candidate, e-mail and phone number)
- Letters of recommendation (optional)

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).

When evaluating the application, emphasis will be given to the applicant's academic and personal prerequisites to carry out the project. 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 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

Centre Director and Professor Stefan Krauss, stefan.krauss@medisin.uio.no

Administrative coordinator Haakon Berg Johnsen, h.b.johnsen@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.

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