



UNIVERSITETET
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Jobbnorge ID: 160025
Deadline: 12/10/2018
Website: <http://www.uio.no/>
Scope: Fulltime
Duration: Temporary

Postdoctoral position, Centre of Excellence "Hybrid Technology Hub"

Postdoctoral Research Fellow in organ on a chip microfluidic platform design

Job description

A 3 year position as a Postdoctoral Research Fellow is available 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 an "organ on a chip" platform that reproduce 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 Center of Excellence "[Hybrid Technology Hub](#)" is located at the Institute of Basic Medical Sciences, University of Oslo, with partners at the University of Glasgow (Prof. Nikolaj Gadegaard) and Imperial College, London (Prof. Molly Stevens).

More about the position

The postdoctoral researcher will be part of a collaborative interdisciplinary team that consists of basic scientists, clinicians, bioinformaticians, physicists and chemists. This project's core aim is to develop novel approaches for a high throughput compatible microfluidic platform that can integrate organoids with maintenance systems and sensors.

The project will complement ongoing projects that are developing 3D organoid models of liver, pancreas islets and fat. The candidate will be central in designing and implementing the microfluidic components. He or she will work towards high-impact publications; have an eagerness for career development and willingness to spend some research time in the partnering laboratories.

The main purpose of the fellowship is to qualify researchers for work in higher academic positions within their disciplines.

Qualification requirements

- Applicants must hold a degree equivalent to a Norwegian doctoral degree with strong research background relevant to the specified fields for the postdoctoral position
- Documented track record of research, evidenced by successful publishing in scientific journals
- Documented track record with designing and testing microfluidic systems is strictly required
- Excellent written, oral and presentation skills (English)
- Experience with organoids in microfluidic systems is an advantage

Personal skills

- Proven ability to work and collaborate within a multidisciplinary environment
- Scientific creativity and ability to drive own research ideas to a successful conclusion

We offer

- salary NOK 515 200 - 597 400 per year depending on qualifications in position as Postdoctoral Research Fellow (position code 1352)
- a challenging and friendly working environment
- attractive welfare benefits and a generous pension agreement, in addition to Oslo's family-friendly environment with its rich opportunities for cultural and outdoor activities
- a [personalized career development program](#)

How to apply

The application must include

- cover letter (statement of motivation, summarizing scientific work and research interest)
- CV (summarizing education, positions and academic work)
- copies of educational certificates in English or a Scandinavian language

- at least two references (name, relation to candidate, e-mail and phone number)
- optional: letters of recommendation

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, as well as the candidates' motivation and personal suitability.

Contact information

Prof. Stefan Krauss, stefan.krauss@rr-research.no

Formal regulations

Please see the [guidelines and regulations](#) for appointments to Postdoctoral fellowships at the University of Oslo.

Please note that no one can be appointed as a postdoctoral fellow for more than one specified period at the same institution in Norway. If you already have been employed as a postdoctoral fellow at the University of Oslo, you are not eligible for the above position. No one can be appointed twice as a Postdoctor financed/with funds from The Research Council of Norway (NFR).

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.

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 0317 Oslo (Oslo Municipality)