



UNIVERSITETET I OSLO

Jobbnorge ID: 245121

Deadline: 5/29/2023

Website: <http://www.uio.no/>

Scope: Fulltime

Duration: Engagement

Laboratory engineer for gastruloid research

About the position

The Hybrid Technology Hub Centre of Excellence at Oslo University Hospital and University of Oslo, Norway is currently accepting applications for a 2 year position as a laboratory engineer to work on stem cell derived gastruloids (100% position).

The Centre headed by Prof. Stefan Krauss is located at the Institute of Basic Medical Sciences at University of Oslo. The Centre develops innovative human 3D models for biomedical research <https://www.med.uio.no/hth/english/>. In the frame of the recently established European Innovation Council project consortium "supervised morphogenesis in gastruloids" (SUMO), the Krauss group has established a group that works on mouse and human gastruloids. The overall aim of the work is to advance gastruloids to the stage of organ induction.

The laboratory engineer, funded by the research council of Norway, will join a group of 4 post-doctoral researchers and one PhD on advancing gastruloid technology. The work will include culture and differentiation of human embryonic and induced pluripotent stem cells, culture of gastruloids under various conditions. The laboratory engineer will also assist with characterizing gastruloids by advanced imaging and analytical techniques including confocal microscopy, Tomocube holographic imaging and sample preparation for scRNAseq.

Work tasks

- Human stem cell culture and differentiation to gastruloids
- Analysis of gastruloids by advanced imaging technology
- Sample preparation for scRNAseq
- Contributing to the day-to-day running of the lab, including ordering system and cleaning routines
- Maintaining excellent laboratory notebooks (manual and/or electronic) to document all aspects of the experimental work
- Participation in (international) project coordination meetings

Qualification requirements

- A Bachelor's or Master's degree in molecular biology, biochemistry, genetics, biotechnology or a similar subject is required. Real competence with relevance to the tasks in question can compensate for the education requirement. Furthermore, relevant practical work experience may be required
- Minimum of one-year laboratory experience is required
- Experience with human or mouse cell culture is required
- Experience with basic molecular biology is required
- Experience with human stem cell culture is an advantage
- Good knowledge in cell biology, developmental biology and histology is an advantage
- Fluency in Norwegian is not required but is considered an advantage

Personal skills

- Independent work and troubleshooting
- Ability to learn quickly and work in a fast-paced multidisciplinary environment
- Team player
- Fluent in both spoken and written English
- Flexibility of working on weekends, (2-3 hours)

We offer

- salary 509 300 - 575 400 per annum depending on qualifications in a position as (Laboratory engineer), position code1085
- 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

How to apply

The application must include:

- cover letter statement of motivation

- CV (summarizing education, positions and academic work)
- copies of educational certificates (academic transcripts only)
- evt. documentation of english proficiency
- 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 recruiting system.

Formal regulations

Interviews with the best qualified candidates will be arranged.

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.

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. Furthermore, we want employees with diverse professional expertise, life experience and perspectives.

If there are qualified applicants with disabilities, employment gaps or immigrant background, we will invite at least one applicant from each of these categories to an interview.

Contact information

E-mail: s.j.k.krauss@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.

Additional information

Place of service:

Domus Medica, Sognsvannsveien 9 0317 Oslo (Oslo Municipality)