



UNIVERSITETET
I OSLO

Jobbnorge ID: 199983

Deadline: 2/28/2021

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

Scope: Fulltime

Duration: Engagement

PhD Research Fellow in Bioanalytical chemistry

Job description

Position as PhD Research Fellow in bioanalytical chemistry available at the [Department of Chemistry](#).

The fellowship period is 4 years, with 3 years devoted to research education. The position entails a compulsory workload of 25% that may consist of teaching, supervision duties, and research assistance.

Starting date no later than October 1, 2021.

No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo

More about the position

The PhD research project will be to develop methods and instrumentation for analysis of very limited amounts of biological samples. The project will be centered around the development of liquid chromatography columns that can be coupled on-line with organ-on-a-chip and mass spectrometry or can be used for single-cell analysis.

The developed columns will be made in different format, e.g. packed, monolithic or open tubular. Alternatives to traditional fused silica column housing, e.g. chip or 3D printing formats should be explored. The columns will be used to measure metabolites from organoids, e.g. to evaluate drug metabolism or toxicity. The work will be performed in a multidisciplinary collaboration with the [Center of Excellence Hybrid Technology Hub](#)

Qualification requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition to be among Europe's leading communities for research, education and innovation. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

- Master's degree or equivalent in Chemistry (required)
- Foreign completed degree (M.Sc.-level) corresponding to a minimum of four years in the Norwegian educational system
- Practical experience with liquid chromatography, mass spectrometry and biological samples (required)
- Practical experience with miniaturized liquid chromatography (capillary-LC or nanoLC) (desired)
- Practical experience with 3D printing (desired)

Candidates without a Master's degree have until 15 August, 2021 to complete the final exam.

Grade requirements:

The norm is as follows:

- the average grade point for courses included in the Bachelor's degree must be C or better in the Norwegian educational system
- the average grade point for courses included in the Master's degree must be B or better in the Norwegian educational system
- the Master's thesis must have the grade B or better in the Norwegian educational system
- Fluent oral and written communication skills in English
- English requirements for applicants from outside of EU/ EEA countries and exemptions from the requirements: <http://www.mn.uio.no/english/research/phd/application/application.html>

The purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The fellowship requires admission to the PhD programme at the Faculty of Mathematics and Natural Sciences. The application to the PhD programme must be submitted to the department no later than two months after taking up the position. For more information see:

<http://www.uio.no/english/research/phd/>

<http://www.mn.uio.no/english/research/phd/>

We offer

- Salary NOK 482 200 - 526 000 per annum depending on qualifications and seniority as PhD Research Fellow (position code 1017)

- Attractive [welfare benefits](#) and a generous pension agreement
- Vibrant international academic environment
- [Career development programmes](#)
- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply

The application must include:

- Cover letter - statement of motivation and research interests
- CV (summarizing education, positions and academic work - scientific publications). Practical experience with chromatography, mass spectrometry and biological samples should be stated on top of the CV. If this is not included, the application will be disqualified.
- Copies of the original Bachelor and Master's degree diploma, transcripts of records and
- Documentation of English proficiency
- List of publications and academic work that the applicant wishes to be considered by the evaluation committee
- 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 may be called in for an interview in person or by zoom.

Formal regulations

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

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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 University of Oslo has an [agreement](#) for all employees, aiming to secure rights to research results etc.

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. We also want to have employees with diverse expertise, combinations of subjects, life experience and perspectives. We will make adjustments for employees who require this.

If there are qualified applicants with special needs, gaps in their CVs or immigrant backgrounds, we will invite at least one applicant in each of these groups to an interview.

Contact information

For further information please contact: Hanne Røberg-Larsen, phone: +47 228 55587, e-mail: hanne.roberg-larsen@kjemi.uio.no

For question regarding our recruitment system, please contact HR Adviser Ørjan Pretorius, e-mail: orjan.pretorius@mn.uio.no

About the University of Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 28 000 students and 7000 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The Department of Chemistry is Norway's largest institution within research and education in chemistry. Our research excels internationally and we educate students to a wide variety of jobs in industry, academia, research institutions, schools and public administration. Our research ranges from the core topics of chemistry to applied science within in environmental, health, energy and materials. The Department has extensive contacts with industry, research and educational institutions at home and abroad. As partner in the Centre for Materials Science and Nanotechnology our researchers contributes to a significant interdisciplinary efforts in cooperation with the Department of Physics. The Department of Chemistry has its own school laboratory as a great resource for teachers, public outreach and the didactics of chemistry.

Additional information

Place of service:

Postboks 1032 0315 Oslo (Oslo Municipality)