



UNIVERSITETET  
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**Jobbnorge ID:** 205296

**Deadline:** 6/1/2021

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

**Scope:** Fulltime

**Duration:** Temporary

## PhD Research Fellow in Solid-state electrochemistry

### Job description

Position as PhD Research Fellow in Solid-state electrochemistry available at [Department of Chemistry](#) / [Centre for Materials Science and Nanotechnology](#).

No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo. Starting date no later than 01.10.2021. If the successful candidate has a good knowledge of one Scandinavian language (Norwegian, Swedish, Danish), the fellowship may be for a period of 4 years, with 25 % compulsory work (teaching responsibilities at the Department). Otherwise, the fellowship will be for a period of 3 years, with no compulsory work.

### More about the position

A position as PhD Research fellow is available in the topic of electrodes for solid-state proton ceramic electrochemical cells. The position is part of the RCN-funded project BRIDGE (From Empiricism via Fundamentals to Improved Performance of Proton Ceramic Electrochemical Cells) coordinated by SINTEF Oslo. The candidate will work with synthesis and fabrication of model materials, electrodes, and cells, characterization and electrochemical measurements, and modelling, in close collaboration with project coordinator and other scientists at SINTEF.

### 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.

- Applicants must hold a Master's degree or equivalent in solid-state electrochemistry, materials chemistry, or surface chemistry. Experience with synthesis, fabrication, and characterisation of ceramic materials, relevant electrochemical methods, surface analysis techniques, and proton ceramic materials is desirable. Experience and skills in collaboration with other fields is valued. We are seeking a candidate who is communicative, quality minded, flexible, curious and eager to learn, motivated and self-driven, and fluent in English. Due to possible teaching duties, mastering a Scandinavian language is considered beneficial.

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. evt. and preferably a Scandinavian language.
- 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 - brief statement of motivation and research interests, plus a statement of the three top skills that make you suitable for this position according to the requirements and preferences listed, plus mention of any lacks of required and preferred skills listed.
- CV (summarizing education with main results and grades), positions and academic work, and scientific publications).
- Copies of the original Master's degree diploma, transcripts of records and letters of recommendation
- Documentation of English proficiency in case of foreign non-natively English speaking nationals not having a Master from UiO.
- 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.

## 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 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.

## Contact information

Applications are to be submitted online and NOT sent to contact persons below. However, for information about the position, applicants may contact: Prof. Truls Norby, phone: +47 22840654, e-mail: [truls.norby@kjemi.uio.no](mailto:truls.norby@kjemi.uio.no).

For question regarding our recruitment portal, please contact HR Adviser Ørjan Pretorius, e-mail: [orjan.pretorius@mn.uio.no](mailto: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.

**Centre for Materials Science and Nanotechnology (SMN)** is an interdisciplinary focus field for material and energy research at the University of Oslo. SMN has focused on basic research in renewable energy and environmentally friendly use of fossil energy sources. The center consists of research groups from the Department of Physics (Fi) and Chemistry (Ki), has about 100 employees from around the world and manages more than 80 projects funded by the EU, the RCN and others.

## Additional information

### Place of service:

Postboks 1032 0315 Oslo (Oslo Municipality)