UNIVERSITETET I OSLO

Jobbnorge-ID: 134262
Søknadsfrist: Avsluttet
Nettside:
Omfang:
Varighet:

Postdoctoral research fellowship in Inorganic Materials Chemistry

One postdoctoral research fellowship is available at the NAFUMA research group at the Centre for Materials Science and Nanotechnology (SMN), University of Oslo; (http://www.mn.uio.no/kjemi/forskning/grupper/nafuma). The position is for a fixed term of two years. Within the framework of the position duties may be assigned. No one can be appointed for more than one specified period at the same institution.

Project description:

The position is funded through the research project Selinab which focuses on development of novel solid electrolytes for use in Li-ion and Na-ion batteries. The Selinab project, “Solid Electrolytes for Li- and Na-ion Batteries”, is funded by the programme ENERGIX of the Research Council of Norway. The project involves collaboration with the research institutes IFE and SINTEF in the Oslo-region. One PhD student was recently hired on the project. In addition one post doctor has been hired with focus on computational modelling of stability and transport properties of candidate materials for solid state electrolytes.

All working time shall be allocated to research, research-related activities and research administration. The successful candidate will work in an environment with researchers in materials synthesis, characterization and modelling.

Qualifications:

The Faculty of Mathematics and Natural Sciences has the strategic ambition of being a leading research faculty. Candidates for the fellowship will be selected accordingly, and are expected to have relevant expertise and to be in the upper segment of their class with respect to academic credentials.

The main target for the postdoctoral work is to undertake electrochemical characterization of solid state electrolytes and electrode materials, with special emphasis on using operando synchrotron based methods for exploring the relationship between structure, phase stability and performance.

The successful candidate should have documented expertise in two or more of the following areas:

- Skills on electrochemical studies of solid electrolytes and/or electrode materials for Li-/Na-ion batteries
- Skills in designing X-ray based investigations, including sample environments, of solid electrolytes and/or electrode materials for Li-/Na-ion batteries
- Skills on operando synchrotron based studies of solid electrolytes and/or electrode materials for Li-/Na-ion batteries

The applicant is expected to state in his/her application letter to what extent and in which way he/she meets each of the competence requirements given above.

The successful applicant must have a PhD or other corresponding education equivalent to a Norwegian doctoral degree.

A completed doctoral degree is a prerequisite for appointment. The successful candidate must show good abilities to collaborate and be able and willing to take on tasks for the benefit of the research group.

The main purpose of post-doctoral research fellowships is to qualify researchers for work in top academic positions within their disciplines.

Please also refer to the regulations pertaining to the conditions of employment for post-doctoral fellowship positions:

http://www.uio.no/english/about/regulations/personnel/academic/regulations-employment-conditions-postdoc.html

A good command of English is required.

Salary:

Position code 1352, Salary: NOK 486 100 - 567 100 per year, (pay grade 57-65), depending on qualifications and seniority.

The application must include:

- Application letter
- CV (summarizing education, positions and academic work - scientific publications)
- Copies of educational certificates, transcript of records and letters of recommendation
- List of publications and/or 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)

An expert committee will evaluate the applications. The committee will put emphasis on the scientific papers (including the PhD thesis) of the applicants, and on the candidate competence in relation to the three areas requested above. Personal suitability and co-operation skills will receive special attention in the selection process. Information and data that are to be considered in the evaluations must be submitted within the deadline. Names of two references should be provided. Applicants may be called in for an interview.

Foreign applicants are advised to attach an explanation of their University's grading system. Please remember that **all** documents should be in English or a Scandinavian language.

In accordance with the University of Oslo's equal opportunities policy, we invite applications from all interested individuals regardless of gender or ethnicity.

UiO has an agreement for all employees, aiming to secure rights to research results a.o.

Applications for the open position to UiO can ONLY be submitted electronically to the link provided on the UiO website, and should NOT be sent or emailed to the address below or to any other individual.

For further information about the project and position, contact: professor Helmer Fjellvåg; email helmerf@kjemi.uio.no

For questions regarding Jobbnorge, please contact HR-officer Nina Holtan; email nina.holtan@mn.uio.no or phone +47 22 85 44 24.

Tilleggsinformasjon

Arbeidssted: