

**Jobbnorge-ID:** 148963

**Søknadsfrist:** Avsluttet

**Nettside:**

**Omfang:**

**Varighet:**

## PhD Research Fellow in Bioelectrochemistry

The Faculty of Technology, Natural Science and Maritime Sciences has a vacancy for a position as PhD Research Fellow in Bioelectrochemistry from 01.09.2018.

The position is attached to the Department of Process, Energy and Environmental Technology and reports to the Head of Department. The place of employment is Campus Porsgrunn.

### Qualifications

Applicants to the PhD position must have gained a Master's degree or equivalent higher education qualifications in Environmental Engineering, Chemical Engineering, Biotechnology or equivalent. An average grade B or better from Master's degree, in addition to grade B or better on the final master thesis project, is required. The applicant must have gained the degree within the commencement date.

It is a requirement that the successful applicant is granted admission to the university's doctoral programme in Process, Energy and Automation Engineering. Admission to the doctoral programme is a condition for appointment as a research fellow.

The staff at the faculty work within subject teams to a large extent, and the candidate must be motivated to share his or her knowledge and cooperate. Personal suitability for the position will be emphasized.

### Information about the position

The doctoral research fellow will be involved in a research project funded by the University College of Southeast Norway - "Climate and Energy". This project will develop a bioelectrochemical engineering system for CO<sub>2</sub> utilization. The PhD candidate will closely collaborate with faculty members from Department of Process, Energy and Environmental Technology and Department of Microsystems. She/he will be involved in the design, operation and optimization of bioelectrochemical reactor solutions.

The PhD work includes: Setting up laboratory scale batch and continuous flow experiments, growing biofilms on various electrodes, monitoring biofilm structure and performance under different electrochemical potentials, on different electrodes, operational conditions and reactor designs. This includes work to define key parameters and development of methods to study the performance of such reactors. The position strongly requires practical skills and laboratory experience.

### Requirements

- A Master degree in chemical/environmental/process engineering or biotechnology.
- Proven knowledge and/or experience on electrochemistry, reactor design and operation, and microbial processes.
- Laboratory experience regarding routines, chemical analysis and instrumentation.
- Track record of scientific publication is a strong advantage for final evaluation.

Appointment is for a period of three years. The position does not include teaching duties.

For further information concerning the position please contact Associate Professor Carlos Dinamarca, [carlos.dinamarca@usn.no](mailto:carlos.dinamarca@usn.no), phone: 0047 410 41 989 at Department of Process, Energy and Environmental Technology.

## **We offer**

- A professionally stimulating working environment.
- Good opportunities to develop your career and your academic skills.
- A good social environment.
- Attractive welfare benefits in the State Pension Plan.
- Opportunity for physical activities within working hours.

## **Salary**

PhD Research Fellow (code 1017): NOK 436 900 a year. Further promotion will be based on service in the position. In special cases, employment in code 1378 may be considered. Salary NOK 436 900 - 600 200 a year. A statutory contribution will be made from the employee's salary to the state pension plan.

## **Additional information**

The Academic Appointments Board is responsible for appointments to academic positions at University College of Southeast Norway. An expert assessment of applicants will be carried out. Short-listed candidates will be called in for interviews and must be prepared to present and discuss their projects.

The successful applicant must comply with the laws, regulations and agreements that apply to the position.

I særskilte tilfeller kan sakkyndig vurdering fravikes. Slike tilfeller må avklares med personalavdelingen i forkant.

It is an aim of personnel policy that the academic staff of University College of Southeast Norway should reflect the composition of the general population. It is therefore a personnel policy objective to achieve a balanced age and gender composition on the faculty and to recruit people from ethnic minority backgrounds. People from ethnic minority backgrounds are encouraged to apply for the position.

There are few women employed in research positions at the Department, and consequently women are especially encouraged to apply.

According to the Norwegian Freedom of Information act § 25 2 paragraph, information about the applicant may be included in the public applicant list, even though the applicant has requested non-disclosure. The applicant will be informed if his/her request has been declined.

## **How to apply**

University College of Southeast Norway uses online applications. We therefore ask applicants to register their application and CV online by clicking on the "Send application" link to the right. The application must include the following documents:

1. ½ page motivation letter.
2. Certified diplomas and certificates from university college/university.
3. Master's thesis.
4. A 1-page project description.
5. Any scientific publications and a list of these.
6. Three references (contact information).

Please note that all documents must be translated into English or a Scandinavian language by an authorized translator.

## **Tilleggsinformasjon**

### **Arbeidssted:**