

Postdoc Position in Electrochemistry at Novo Nordisk Foundation CO₂ Research Center at Aarhus University

The Novo Nordisk Foundation has established a world-leading interdisciplinary research center to develop knowledge and technology for capturing and recycling carbon dioxide. The center is based at Aarhus University in Denmark and collaborates with industry and authorities to identify new solutions to reduce atmospheric CO₂ levels.

Research group

The electrochemical section, led by Professor Kim Daasbjerg, is seeking candidates for a 2.5-year postdoc position at this CO₂ center.

Starting date and period

The postdoc position will be available from August 1, 2026, or as soon as possible thereafter.

Tasks

The successful candidate will be involved in research on developing single- and dual-atom catalysts for bicarbonate conversion using electrochemical methods. Focus will be on the design of the interfacial organic layer at the electrode surface to promote the selective reduction of CO₂ to syngas, ethanol, or ethylene. In addition, the scale-up of the most promising processes will be done using electrochemical flow cells. This work will be carried out in collaboration with other members of the Daasbjerg research group.

Academic qualifications

- Candidates are required to have a strong background in electrochemistry.
- Candidates must be familiar with catalysis for carrying out chemical transformations.
- Candidates must have a PhD in chemistry.
- Candidates are expected to have significant experience in flow cell technology.
- Candidates must have experience with international collaborations and serve as a mentor/leader for the research group.

Who we are

The Department of Chemistry is among the most successful departments in the Faculty of Natural Sciences at Aarhus University. The department houses several of the Danish National Research Foundation's Centres of Excellence and carries out teaching for many of the faculty's degree programs. Comprising a wide range of scientific areas, the department is a strong partner in interdisciplinary initiatives, especially in the Novo Nordisk Foundation CO₂ Research Center.

The Department of Chemistry also educates the majority of chemists in Denmark, with well over 200 active BSc students, a considerable number of MSc students, and more than 100 PhD students. There are 34 permanent members of the academic staff, as well as a strong support organization and a considerable number of affiliated researchers.

What we offer

The successful candidate is offered:

- access to a well-developed research infrastructure
- laboratory space, shared equipment
- a research climate inviting lively, open, and critical discussion within and across different fields of research
- a working environment with teamwork, close working relations, network activities among young scientists, and social activities
- a workplace characterized by professionalism, equality, and a healthy work-life balance

Contact Information

For further information, please contact Professor Kim Daasbjerg at +45 2348 5249 or kdaa@chem.au.dk.

Application Deadline:
13 April 2026

Institute/Faculty:
Department of
Chemistry

Faculty:
Faculty of Natural
Sciences

**Academic contact
person:**
Kim Daasbjerg
Professor
kdaa@chem.au.dk
+4523485249

Vacant positions:
1

Number of months:
30

Hours per week:
37

**Expected date of
accession:**
01/08/2026

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the appointment committee if necessary, – the head of department selects the candidates to be evaluated. All applicants will be notified whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee, and each applicant is given the opportunity to comment on the part of the assessment that concerns him/her self.

Letter of reference

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline. Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

If you wish to add a referee **after** you have submitted your application, you must send this person's details (name, job title, place of work, and email address) as well as the name of the position you have applied for to: HR.Nattech@au.dk

Formalities and salary range

Natural Sciences refers to the [Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation](#).

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found [here](#).

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Taxation and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the [Memorandum on Job Structure for Academic Staff at Danish Universities](#).

Salary depends on seniority as agreed between the Danish Ministry of Taxation and the Confederation of Professional Associations.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more [here](#). Please find more information about entering and working in Denmark [here](#).

Aarhus University also offers a Junior Researcher Development Programme targeted at career development for postdocs at AU. You can read more about it [here](#).

At the Faculty of Natural Science at Aarhus University, we strive to support our scientific staff in their career development. We focus on competency development and career clarification and want to make your opportunities transparent. On [our website](#), you can find information on all types of scientific positions, as well as the entry criteria we use when assessing candidates. You can also read more about how we can assist you in your career planning and development.

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 37,000 students (FTEs) and 8.700 employees and has an annual revenue of EUR 1.106 billion. Learn more at www.international.au.dk/