Academic Employee in the Daasbjerg Group at the Department of Chemistry, Aarhus University

A temporary support position in the Daasbjerg Group is available for an academic employee from 1 May 2026 to 31 December 2028 (32 months), with the possibility of extension if the Novo Nordisk Foundation Carbon Dioxide Research Center (CORC) project is extended through additional funding from the Novo Nordisk Foundation. The expected starting date is 1 May or as soon as possible thereafter.

Application Deadline:
02 January 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:
32

Hours per week:
37

Expected date of accession:
01/05/2026

Job description

In a team with other academic employees, the candidate will contribute to the development, maintenance, and support of research activities focused on carbon dioxide capture and conversion within the Daasbjerg Group at the Department of Chemistry.

The candidate is expected to contribute to:

- Overseeing the development and optimization of electrolyzers for carbon dioxide conversion processes.
- Bridging collaborations with biochemistry groups, particularly in integrating chemical carbon dioxide capture agents into bioreactors utilizing methanogens for carbon dioxide conversion.
- Supporting synthesis and surface functionalization of materials for carbon dioxide capture, including evaluation of carbon dioxide loading capacities.
- Conducting experiments and analyses related to thermodynamics and kinetics of carbon dioxide capture and release, utilizing relevant instrumentation.
- Training of students and collaborators in relevant techniques, individually or in laboratory courses related to electrochemistry and carbon dioxide technologies.
- Various duties related to the Department of Chemistry.

Your daily leader will be Professor Kim Daasbjerg.

Your profile

Candidates are expected to have in-depth knowledge of advanced electrochemistry, particularly in electrolyzer design, carbon dioxide capture agents, and related processes. Experience with synthesis, surface functionalization, carbon dioxide loading, and the thermodynamics/kinetics of gas capture will be considered essential. This includes knowledge of instrumentation such as electrochemical workstations, gas chromatography, and spectroscopy tools.

The candidate is expected to have a relevant education in chemistry, materials science, nanoscience, or a similar field. Holding a PhD in the mentioned areas is considered an advantage, but it is not a requirement.

We offer a job opportunity in an ambitious and inspiring research and education environment with an informal atmosphere. The ideal candidate will be a self-motivated team contributor with the competence to oversee their own tasks and maintain an organized approach. You appreciate engaging with colleagues across various roles, including scientific, academic, and technical-administrative teams, and you excel at creating cooperative partnerships. Your collaborative approach enhances positivity and engagement within the workplace. You speak and write scientific English very well. We anticipate that you possess proficiency in time management and can effectively structure significant tasks independently.

We offer the opportunity to work in a distinguished scientific and educational environment, supporting your development through courses and conference participation.

For further information on the position please contact Professor Kim Daasbjerg (tel. +45 23485249; kdaa@chem.au.dk).

Place of work

The workplace is located at Gustav Wieds Vej 10C, 8000 Aarhus C, and the area of

employment is the Department of Chemistry at Aarhus University.

Formalities and salary range

Salary and terms as agreed between the Danish Ministry of Taxation and the Confederation of Professional Unions.

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.

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 38,000 students (FTEs) and 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/