Research assistant for on ammonia cracking research

Are you interested in ammonia cracking and can you contribute to the development of the project In-situ pilot fuel generation from ammonia for ammonia ships? Then the Department of Biological and Chemical Engineering invites you to apply for a 1-year Research Assistant position.

Expected start date and duration of employment

This is a 1–year position starting form June 1st 2026, or as soon as possible.

Job description

You will help with the following tasks:

- Ammonia cracking experiments
- Analysis of the gas streams
- Data Visualization
- Business Development and finding the place on the market for this new technology

Your profile

We seek applicants that have an engineering mindset, are quick learners and can work in a team. Applicants should hold a master's degree in chemical engineering or similar. You should ideally have experience in:

- Business development
- Working with flammable and toxic gases
- Understanding of the thermodynamics and kinetics of the ammonia cracking
- Analysis of gases

Who we are

We call ourselves P2CHEM group, a team of 5 - 10 people who are a part of the Section for Energy Conversion Technology. Your group leader is Associate Professor Emil Drazevic. Our current focus is ammonia synthesis, ammonia cracking and ammonia capture, covering the TRL ladder up to 6. We are funded by Independent Research Fund Denmark, EUDP and EIC Pathfinder. The Section for Energy Conversion Technology has 3 other research groups focusing on material synthesis, and their application in catalysis (here photocatalysis, electrocatalysis), strong team in water electrolysis and batteries as well as membrane separation technology, and neighbor a bigger unit focused on advanced materials. Knowledge and infrastructure are openly shared among research groups, and we have social activities together.

The section/group offers:

- a well-developed research infrastructure, laboratories and access to shared equipment
- an exciting interdisciplinary environment with many national, international and industrial collaborators
- a research climate encouraging lively, open and critical discussion within and across different fields of research
- a work environment with close working relationships, networking and social activities
- a workplace characterised by professionalism, equality and a healthy work-life balance.

Place of work and area of employment

The place of work is Aabogade 40, 8200 Aarhus N, and the area of employment is Aarhus University with related departments.

Application Deadline:
30 April 2026

Institute/Faculty:
Department of Biological and Chemical Engineering

Faculty:
Faculty of Technical Sciences

Academic contact person:
Emil Drazevic
Lektor
edrazevic@bce.au.dk
+4593508345

Vacant positions:
1

Number of months:
12

Hours per week:
37

Expected date of accession:
01/06/2026

Contact information

For further information, please contact: Head of Section for Energy Conversion Technology, Associate Professor, Emil Drazevic, +45 93 50 83 45, edrazevic@bce.au.dk.

Deadline

Applications must be received no later than 30th April 2026.

Application procedure

Short-listing is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the assessment committee if necessary, – the head of department selects the candidates to be evaluated. The selection is made on the basis of an assessment of who of the candidates are most relevant considering the requirements of the advertisement. All applicants will be notified within 6 weeks 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 will receive his/her assessment.

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.

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/