Post Doc position in chemical recycling of thermoset plastics

Are you interested in catalysis, and can you contribute to the development of chemical technologies for thermoset plastic recycling? Then the Skrydstrup Group at the Interdisciplinary Nanoscience Center (iNANO), Aarhus University invites you to apply for a Post Doctoral position.

This is a fixed term 2-year position from 1st March 2026 or as soon as possible thereafter.

Job description

- You will be contributing to the development of methodologies in organic and organometallic chemistry, which can expand the field of plastic recycling.
- The position will focus on different means of chemically activating thermoset plastics, such as epoxy resins/composites and polyurethane
- You will be involved in independent and collaborative projects dealing with plastic recycling.
- These activities will be in close collaboration with other members of the Skrydstrup Group financed by the Villum Foundation.

Your profile

- The candidate must have a PhD in synthetic chemistry or similar
- The candidate is required to have a strong background in organic synthesis and transition metal catalysis.
- The candidate must be familiar with organometallic chemistry and the synthesis of organometallic complexes.
- The candidate must be familiar with plastic recycling technologies.
- The candidate must have good communication skills and experience in writing drafts for publications.
- The candidate must have experience with international collaborations.
- The candidate must be able to work both independently but also serve as an excellent team player.

Who we are

The candidate will be part of the Skrydstrup group, an international group consisting of approximately 4 Post Docs and 8 PhD students, among other students and academic and technical staff. The group is part of The Interdisciplinary Nanoscience Center (iNANO) and the Novo Nordisk Foundation CO_2 Research Center (CORC).

What we offer

The successful candidate is offered:

- 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 characterized by professionalism, equality and a healthy work-life balance.

Application Deadline:
02 February 2026

Institute/Faculty:
Interdisciplinary Nanoscience Center

Faculty:
Faculty of Natural Sciences

Academic contact person:
Troels Skrydstrup
Professor
ts@chem.au.dk
+4528992132

Vacant positions:
1

Number of months:
24

Hours per week:
37

Expected date of accession:
01/03/2026

Place of work and area of employment

The place of work is Gustav Wieds Vej 14, 8000 Aarhus C, and the area of employment is Aarhus University with related departments.

As of 1 August 2026, iNANO's educational and research activities will be transferred to the faculty's departments. Consequently, your employment will as of that date be with a department.

Contact information

For further information, please contact: Professor Troels Skrydstrup, +45 28 99 21 32, ts@chem.au.dk.

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. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

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