Assistant Professor (non-tenure track) in Physical Chemistry – Vibrational Spectroscopy and Electrochemistry

Application Deadline:
20 March 2026

Institute/Faculty:
Department of Chemistry

Faculty:
Faculty of Natural Sciences

Academic contact person:
Tobias Weidner
Lektor
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Vacant positions:
1

Number of months:
24

Hours per week:
37

Expected date of accession:
01/06/2026

The Department of Chemistry at Aarhus University invites applications for a non-tenure track Assistant Professor position in physical chemistry, with a focus on vibrational spectroscopy and its application to interfacial and electrochemical systems. The successful candidate will establish an independent research line while contributing to the department's teaching and research mission.

The starting date is 1 June 2026 (or as soon as possible thereafter) and the duration of the employment will be 24 months.

The Department of Chemistry at Aarhus University is seeking an Assistant Professor to strengthen and expand its research activities in physical chemistry, particularly at the intersection of vibrational spectroscopy, surface science, and electrochemistry.

The successful candidate is expected to develop an independent and competitive research program. Research areas of particular interest include, but are not limited to:

• Surface-sensitive vibrational spectroscopy (e.g. sum-frequency generation spectroscopy) of interfaces relevant to catalysis, energy conversion, or biological systems
• Spectroelectrochemistry and in situ/operando characterization of electrode–electrolyte interfaces
• Computational approaches to vibrational spectroscopy, including spectral modeling and molecular dynamics simulations
• Development of new spectroscopic methods for studying molecular structure and dynamics at surfaces and interfaces

The Assistant Professor will be expected to contribute to teaching at the Bachelor's and Master's level in physical chemistry or related subjects, supervise students at all levels, and participate in the academic life of the department. The position includes a requirement to complete pedagogical training if not already obtained.

The Department of Chemistry offers a stimulating research environment with access to state-of-the-art instrumentation, including ultrafast laser laboratories, and fosters a culture of interdisciplinary collaboration across chemistry, physics, and nanoscience.

We are looking for candidates who meet the following criteria:

Required:
• A PhD in chemistry, physics, or a closely related field
• Postdoctoral research experience demonstrating a strong research trajectory
• A publication record in high-quality peer-reviewed journals commensurate with career stage
• Documented expertise in vibrational spectroscopy and/or electrochemistry
• Excellent communication skills in English

Desired:
• Experience with nonlinear optical spectroscopy techniques (e.g. sum-frequency generation, 2D infrared spectroscopy)
• Experience with computational spectroscopy or molecular simulations
• A track record of successful research collaborations
• Experience with supervision of students at Bachelor's or Master's level
• Experience with or willingness to apply for external research funding

The place of work is Langelandsgade 140, 8000 Aarhus C, and the area of employment is the Department of Chemistry, Aarhus University and related departments.

Further information about the position may be obtained from Associate Professor Tobias Weidner: weidner@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 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. 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.

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.

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.

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/