

Academic Technical position in single-crystal and powder X-ray diffraction within inorganic chemistry at the Department of Chemistry, Aarhus University

The Department of Chemistry is seeking applications for an academic candidate (AC-TAP). The position includes scientific, administrative as well as teaching tasks at the Department of Chemistry within inorganic materials chemistry. The position is for two years with the possibility for conversion to a permanent position. The intended start date for this appointment is May 1st or as soon as possible.

Job description

The candidate is expected to contribute to:

- Installation, maintenance, user training and management of the powder X-ray diffractometers at the Department of Chemistry; currently three instruments including specialized cooling, heating, pressure and in-situ facilities.
- Installation, maintenance, user training and management of the single-crystal X-ray diffractometers at the Department of Chemistry; currently three instruments including specialized cooling, heating and pressure facilities.
- Assistance and support of users in single crystal and powder X-ray diffraction experiments, and analysis of the data.
- Management of diffractometer support laboratories including microscopes, sample environment etc.
- Management of commercial crystallographic databases and maintenance of web-based user communication systems.
- Participate in teaching of relevant laboratory courses in chemistry.
- Various tasks related to the Department of Chemistry.

The candidate will be part of a team, which supports research in inorganic and materials chemistry at the Department of Chemistry, and which shares some of the daily maintenance of the instrument park at the Department related to the research groups in inorganic and materials chemistry.

Your profile

Candidates are required to have a solid background in crystallography, including experience in instrumentation, instrument control software, and diffraction data collection. Experience with installation of diffractometers is of benefit. Good technical understanding of diffraction experiments, setup of non-standard powder and single-crystal X-ray experiments and data collection is beneficial as is experience in analysis of single-crystal and/or powder diffraction data. The candidate should have a PhD degree in chemistry, crystallography, chemical engineering, nanoscience, physics or similar.

We offer a job opportunity in a vibrant and inspiring research and education environment with an informal atmosphere. The ideal candidate will be a team contributor with the ability to oversee your own tasks and maintain an organized approach. You appreciate engaging with colleagues across various roles, including scientific, academic, and technical-administrative staff. We anticipate that you can structure your time as well as significant tasks efficiently on your own.

You are proficient in English. Candidates who do not speak Danish, are encouraged to follow Danish courses.

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

For further information on the position please contact Prof. Bo Brummerstedt Iversen (tel +45 2778 2887, bo@chem.au.dk) or Prof. Dorthe Ravnsbæk (tel +45 93522528; dorthe@chem.au.dk).

Application Deadline:
01 March 2025

Faculty:
Faculty of Natural
Sciences

Institute/Faculty:
Department of
Chemistry

Academic contact person:
Dorthe Ravnsbæk
Professor
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+4593522528

Vacant positions:
1

Hours per week:
37

Number of months:
24

Expected date of accession:
01/05/2025

Place of work

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.

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/