



Postdoctoral researcher in Organic Synthesis

The position

The Department of Chemistry announces a vacant position as a Postdoctoral Research Fellow on the project "NANOsense: cryptophanes for methane sensing". The goal of this project is to develop optimal cryptophane host molecules for incorporation into cutting-edge optical methane sensors designed particularly for atmospheric detection of low methane concentrations.

The appointment is for a period of two years, with preferred start as soon as possible in 2019.

The position's field of research

The position is formally connected to the Organic Chemistry Division of the Department of Chemistry, Faculty of Natural Sciences and Technology at UiT The Arctic University of Norway, but will be conducted in close collaboration with the MICROsense project at the Department of Physics and Technology, UiT.

The organic chemistry group conducts frontier research within chemical synthesis and analysis of natural compounds and synthetic chemical libraries, medicinal chemistry and applied NMR-spectroscopy. Within this group, the Hansen research team focuses on the development of state-of-the-art methods for chemical synthesis of bioactives and other target molecules of technological interest. Its research is funded from the Department of Chemistry, the Faculty of Natural Science and Technology, UiT and by the Research Council of Norway. We encourage an active research and learning environment with a heterogeneous group of students and researchers, ranging from undergraduate students to postdoctoral researchers.

The working hours will be utilised for research, co-supervision of PhD students/MSc students, dissemination of results in peer-reviewed journals and conferences and maintaining the synthesis pipelines of cryptophanes as needed by our collaborators. The researcher will develop synthetic strategies towards new cryptophane structures and conduct chemical syntheses of these. Moreover, the development of chemical methodologies for late-stage functionalization of cryptophanes will be a central task.

Qualifications

The position requires a Norwegian doctoral degree in synthetic organic chemistry, or similar, or a corresponding foreign doctoral degree recognised as equivalent to a Norwegian doctoral degree. Other requirements are:

- Solid background in organic synthesis, preferably with experience generating complex molecules, and advanced spectrometric structural determination
- Prior experience with chemical synthesis of cryptophanes
- Knowledge of how to study host-guest properties of cryptophanes
- Excellence in previous work and good track record
- Self-motivation and independence
- Excellent work ethic and commitment to the job
- Excellent command of English, both written and verbal. Interest in Norwegian language and culture is welcome.

Emphasis is also put on personal suitability.

We offer

We offer an interesting project in the frontier of synthetic chemistry and with immediate applications, scientific independence, good remuneration, and a great work environment within framework of the exotic city of Tromsø in Arctic Norway.

UiT has good welfare arrangements for employees, and good pension, insurance and loan opportunities in the Norwegian Public Service Pension Fund

Remuneration of Postdoctoral Fellow positions are in salary code 1352. There is a 2 % deduction for contribution to the Norwegian Public Service Pension Fund. In addition, UiT pays 12 % directly to the pension fund on top of the salary.

The objective of the appointment as a Postdoctoral Fellow is to qualify for work in senior academic positions, and no one may be appointed to more than one fixed term period at the same institution.

More information about moving to Norway: <http://uit.no/mobility>

Application

Your application must include:

- Application and motivation letter
- CV (max. two pages)
- Short description of your past research projects and their relevance to the current application (max. one page)
- Short description of your academic production (track record), highlighting three works that you consider most important for the current application (max. one page)
- Academic works (up to five). The doctoral thesis is regarded as one work
- Diplomas and transcripts
- Three references, including the PhD supervisor

Qualification as PhD is required before commencement in the position. If you are in the process of completing your PhD, you must document that you have submitted your PhD thesis by the application deadline. You should have dissertated before the preferred start-up date of the position, (date). You should also attach a statement from your supervisor.

Documentation have to be in English or a Scandinavian language. Submit applications electronically through Jobbnorge.no.

General

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and guidelines at UiT. At our website, you will find more information for applicants.

UiT The Arctic University of Norway wishes to increase the proportion of females in senior research positions. In the event that two or more applicants are found to be approximately equally qualified, female applicants will be given priority.

UiT The Arctic University of Norway has HR policy objectives that emphasize diversity, and encourages all qualified applicants to apply regardless of their age, gender, functional ability and national or ethnic background. The university is an IW (Inclusive Workplace) enterprise, and will emphasize making the necessary adaptations to the working conditions for employees with reduced functional ability.

Personal data given in an application or CV is processed in accordance with the Personal Data Act. You may request not to be registered on the public list of applicants, but the University may decide that your name will be made public. You will receive advance notification in the event of such publication.

We look forward to receiving your application!

UiT

UiT Norges arktiske universitet er et breddeuniversitet som bidrar til en kunnskapsbasert utvikling regionalt, nasjonalt og internasjonalt. Vi skal utnytte vår sentrale beliggenhet i nordområdene, vår faglige bredde og kvalitet og våre tverrfaglige fortrinn til å møte fremtidens utfordringer.

Troverdighet, akademisk frihet, nærhet, kreativitet og engasjement skal prege forholdet mellom ansatte, mellom ansatte og studenter og mellom UiT og samarbeidspartnere.

Jobbnorge-ID: 171734, Søknadsfrist: Søknadsfristen er gått ut