



Jobbnorge-ID: 146419

Søknadsfrist: Avsluttet

Nettside:

Omfang:

Varighet:

## Postdoctoral Fellow in Computational Catalysis

UiT - the Arctic University of Norway, Faculty of Science and Technology, has a Postdoctoral Fellow position vacant at the Department of Chemistry. The position is for 2 years, with possibility for extension by 1 year in a researcher position.

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

Further information about the position is available by contacting **Dr. Kathrin H. Hopmann, Phone: +47 776 23109, E-mail: [kathrin.hopmann@uit.no](mailto:kathrin.hopmann@uit.no)**

### Research area

The position is associated with the research project **CHOCO** (<https://site.uit.no/choco>) and involves the development of homogeneous metal-based catalysts for conversion of CO<sub>2</sub> into useful and industrially relevant products. Particular focus is on the formation of carbon-carbon bonds employing CO<sub>2</sub> as reagent. The Postdoctoral Fellow will use theoretical methods to model catalysts and reactions involving CO<sub>2</sub> incorporation. The work will be performed in close collaboration with experimental chemists in the **CHOCO** group. Catalysts that are developed in-house will be studied computationally with the goal to identify modifications that provide improved activities and selectivities. The project is conducted together with other computational and experimental chemists and with international collaborators.

### The position's affiliation

The position is organized under the Department of Chemistry. The successful candidate will become a member of an interdisciplinary research team, combining theoretical and organic chemistry in the development of novel catalysts (project website: <https://site.uit.no/choco>). The Postdoctoral Fellow will also be associated with the Hylleraas Centre for Quantum Molecular Sciences. The Hylleraas center is a Norwegian Centre of Excellence, established by the Research Council of Norway in 2017. About 50 scientists, post-doctoral fellows and PhD students in the field of theoretical and computational chemistry are active at the center.

### Qualification requirements

- For appointment as Postdoctoral Fellow, the applicant is required to hold a Norwegian PhD or an equivalent foreign doctoral degree recognized as equivalent to a Norwegian doctoral degree, or must have submitted his/her doctoral thesis for assessment prior to the application deadline. It is a condition of employment that the PhD degree has been awarded.
- Candidates must have a PhD degree in theoretical or computational chemistry or equivalent and must possess experience with quantum chemical modelling of transition metal-catalyzed reactions.
- Experience with enantioselective systems is an advantage.
- In-depth knowledge about organometallic chemistry is an advantage.
- The successful candidate must have well-developed critical thinking and writing skills.
- Proficiency in both written and oral English is necessary.
- Emphasis will be attached to personal suitability.

### Working conditions

The working hours shall be utilised for research, research-related activities, and research administration.

The successful applicant must be willing to engage himself/herself in the ongoing development of his/her discipline and the university as a whole.

The remuneration for this position is in accordance with the State salary scale code 1352.

A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund will be deducted.

For further information on regulations and working conditions, applicants shall also refer to the [Supplementary regulations for appointment to postdoktor \(Postdoctoral Research Fellow\), stipendiat \(PhD\) and vitenskapelig assistent \(Research Assistant\) positions at the University of Tromsø](#) and to the [Regulations concerning terms and conditions of employment for posts of postdoktor \(Postdoctoral Research Fellow\), stipendiat \(PhD\), vitenskapelig assistent \(Research Assistant\) and spesialistkandidat \(Resident\)](#).

Questions concerning the organisation of the working environment, such as the physical state of the place of employment, health service, etc. may be directed to the telephone reference in this announcement.

The University of Tromsø is an IW (Inclusive Workplace) enterprise, and will therefore emphasize making the necessary adaptations to the working conditions for employees with reduced functional ability.

**Assessment of candidates**

The applicants will be assessed by an expert committee. The committee's mandate is to undertake an assessment of the applicants' qualifications based on the written material presented by the applicants, and the detailed description drawn up for the position.

The applicants who are assessed as the best qualified may be called to an interview. The interview shall among other things aim to clarify the applicant's personal suitability for the position. A trial lecture may also be held.

**Application**

The application consists of an electronic application form at [www.jobbnorge.no](http://www.jobbnorge.no) and required documents as outlined below.

**By the application deadline**, the following documents **must be sent electronically** with the application:

- Letter of application.
- CV (containing a complete overview of education, professional training and work).
- Certified copies of *Diploma and transcripts*
- PhD thesis or equivalent
- Other works (published or unpublished) that the applicant wishes to be taken into consideration during the assessment process. The applicant shall provide a description of his/her scientific production stating which works he/she considers the most important and shall therefore be the main emphasis of the assessment. A brief description of other listed works shall also be included to demonstrate depth of production.
- References (including contact details)

Letters of recommendation may be submitted in addition to the above documents.

Personal data given in an application or CV will be processed in accordance with the Act relating to the processing of personal data (the Personal Data Act). In accordance with Section 25 subsection 2 of the Freedom of Information Act, the applicant may request not to be registered on the public list of applicants. However, the University may nevertheless decide that the name of the applicant will be made public. The applicant will receive advance notification in the event of such publication.

The University of Tromsø has HR policy objectives that emphasize diversity, and therefore encourages qualified applicants to apply regardless of their gender, functional ability and national or ethnic background.

**UNIVERSITY OF TROMSØ**  
**9037 Tromsø**

**Norway**

**Tilleggsinformasjon**

**Arbeidssted:**