



PhD Candidate in Organometallic Catalysis

The University of Tromsø - The Arctic University of Norway, Faculty of Science and Technology, has a PhD position vacant on a project involving development of catalysts for conversion of CO₂. The appointment is for a period of four years.

Further information about the position is available by contacting **Assoc. Prof. Kathrin H. Hopmann, Phone: +47 776 23109, E-mail: kathrin.hopmann@uit.no** or **Assoc. Prof. Annette Bayer, Phone: +47 776 44069, E-mail: annette.bayer@uit.no**

Research area

The PhD research project involves the development of organometallic catalysts for chemical conversion of CO₂ into useful and industrially relevant products. Particular focus is on the formation of carbon-carbon bonds employing CO₂ as reagent. The PhD candidate will design and test new CO₂ converting catalysts with different metals, ligands and additives. The candidate will gain experience into transition metal catalysis, organic synthesis, and ligand design and will work with analytical methods like NMR and MS. Part of the project may involve synthesis directed towards radiolabelling with ¹¹CO₂ together with our collaborators at the Tromsø PET center.

The position's affiliation

UiT is an established and internationally recognised university with ~17,000 students and ~4000 employees. The PhD position is organized under the Department of Chemistry at UiT, campus Tromsø. The successful candidate will become a member of an interdisciplinary research team, which combines computational and organic chemistry in the development of novel catalysts (group website: <https://site.uit.no/choco>). The candidate will also regularly interact with the iCCU project team at UiT (<https://site.uit.no/iCCU>), whose members work on different aspects related to conversion of CO₂ into higher-value products (including chemical and algae-based CO₂ conversion), climate ethics, digital process optimization, and development of business-models for industrial CO₂-conversion processes.

Qualification requirements

The successful applicant must hold a Master's degree or equivalent in Organic Chemistry or equivalent. Experience in homogeneous organometallic chemistry or catalysis is beneficial. Good academic performances, and a genuine interest and motivation for performing research are essential to qualify for the position. Personal qualifications and suitability will be emphasized.

The successful applicant must fulfill the requirements for admission to the faculty's PhD program, cf. Regulation for the degree of Philosophiae Doctor (PhD) at the University of Tromsø. In addition, he/she must be able to document **proficiency in English** equivalent to Norwegian Higher Education Entrance Qualification, refer to the website about [PhD regulations at UiT](#). International students from non-Nordic countries (except students with English as their mother tongue), must meet the Department of Chemistry's English proficiency requirement of a score of 6.5 on each part of the IELTS test, or at least 22, 22,22 and 25 (reading, listening, speaking and writing respectively) on the TOEFL test.

The PhD position is for a fixed term, with the objective of completion of research training to the level of a doctoral degree. Admission to a PhD program is a prerequisite for employment, and the program period starts on commencement of the position. The PhD Candidate shall participate in the faculty's organized research training, and the PhD project shall be completed during the period of employment. Information about the application process for admission to the PhD program, application form and regulations for the degree of Philosophiae Doctor (PhD) are available at the following address: http://en.uit.no/ansatte/organisasjon/artikkel?p_document_id=167946&p_dimension_id=88131&p_menu=28714

Working conditions

The nominal length of the PhD program is three years. The fourth year will be distributed so that on average, 25% of the working hours each year are to be used for teaching or other duties for the Department of Chemistry, cf. [Guidelines](#) for the research fellow's duties.

Remuneration for the position of PhD Candidate is in accordance with the State salary scale code 1017. A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund will be deducted.

Questions concerning the organisation of the working environment, such as the physical state of the place of employment, health service, possibility for flexible working hours, 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. During this assessment process, emphasis will be attached to the applicant's potential for conducting research at PhD level as shown by:

- Master's thesis or equivalent
- Any other academic works
- Relevant research experience
- Academic performance

In addition, consideration may be given to work experience or other activities of significance for the implementation of the PhD studies. Teaching experience and/or qualifications will be considered an advantage. Proficiency in a Scandinavian language will be considered positively. **Information and material to be considered during the assessment must be sent to the University by the stipulated deadline.**

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.

Application

The application consists of an application form and required documents. Both are sent electronically via www.jobbnorge.no.

By the application deadline, the following documents must be sent as electronic attachments to the application:

- Letter of application.
- CV (containing a complete overview of education, professional training and work).
- Certified copies of:
 - *Diploma and transcripts from your **Bachelor's** degree or equivalent.*
 - *Diploma and transcripts from your **Master's** degree or equivalent (Applicants from foreign universities are advised to attach an explanation of the grading system).*
 - *Diploma supplement for completed degrees.*
 - *Documentation of **English language proficiency**.*
- Master's thesis or equivalent
- A statement describing the research work performed, and published or unpublished works, which the applicant wishes to be taken into consideration during the assessment process.
- References (including contact details)

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

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 \(Resident\)](#).

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.

Jobbnorge ID: 155208, Deadline: Closed