



**UiT The Arctic
University of
Norway**
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University of Norway
- Department of
Arctic and Marine
Biology

Faculty of Biosciences, Fisheries and Economics / Department of Arctic and Marine Biology

Postdoctoral Fellow on Ocean Turbulence and Sea Ice Biogeochemical Exchanges

The position

At the Department of Arctic and Marine Biology, there is a position available for a Postdoctoral research fellow on the study of Ocean Turbulence and Sea Ice Biogeochemical ExchangesX. The position is affiliated with the Arctic Marine System Ecology (AMSE) research group and the Norwegian Research Council project BREATHE.

The position is a fixed term of 27 months from spring 2022. The applicant must carry out project duties over the full term of employment. No person can hold more than one fixed-term position as Postdoctoral Fellow at the same institution. The Postdoctoral Fellow must work from Tromsø, at UiT The Arctic University of Norway. After receiving the offer of appointment, the applicant must be able to commence the position between February and June 2022.

The Department of Arctic and Marine Biology (AMB) includes 5 research groups distributed across several buildings. Research and teaching at AMB has a broad span, from molecular mechanisms at cellular/subcellular levels via studies of adaptations at the organismal level, to ecological interactions in aquatic and terrestrial environments. The institute is an exciting and cutting-edge academic and research unit in biology that addresses professional challenges in basic research, industrial and administrative-oriented research with a strong focus on North. The Institute has extensive national and international research collaboration including regional institutions like Framcenteret, IMR and NIBIO. The staff counts 56 permanent scientists, 25 technicians, 12 administrative positions and 50 temporary employees (researchers, postdocs, PhD research fellows, technicians).

The position's field of research

The Postdoctoral Fellow position is affiliated with the Norwegian Research Council project BREATHE - Bottom-sea ice Respiration and nutrient Exchanges Assessed for THE Arctic. The project will study key processes of turbulence-driven nutrient supply to algae inhabiting the bottom of sea ice. It will also use technologies like eddy covariance systems to characterise the influence of sea ice microbial production on sea-ice-ocean O₂ flux. The project brings together researchers from UiT, as well as the Norwegian Polar institute (NPI) and members of the Arctic Science Partnership (ASP). Project work will include extensive Arctic fieldwork for sensor deployment and analysis of the outputs for the purposes of quantifying nutrient and gas transport.

The person hired will work with development of oceanographic and biogeochemical sensors for use under sea ice and at the sea ice-ocean interface. The candidate will use these tools to quantify conditions of ocean turbulence under a range of ice types, from which parameterisations for nutrient supply in biogeochemical modeling of sea ice primary production may be derived.

We are looking for a motivated person who will work independently and function well as part of a team. The candidate will work collaboratively with other members of the BREATHE project and will be integrated into the networks of UiT and the ASP.

Contact

For further information about the position, please contact Associate Professor Karley Campbell:

Phone: +47 77625220

E-mail: karley.l.campbell@uit.no

or Researcher Philipp Assmy:

E-mail: philipp.assmy@npolar.no

Qualifications

Required qualifications:

- Successfully completed a doctoral degree in the field of oceanography, physics, micrometeorology, or similar field, from a Norwegian institution or equivalent degree program
- Experience working with oceanographic and/or meteorological instrumentation
- Experience processing large datasets from sensor platforms
- First-author publication(s) in peer-reviewed literature
- Documented good oral and written communication skills in English

Additional desirable qualifications, knowledge and experience:

- Sea ice physics
- Marine biogeochemistry
- Eddy covariance instrumentation
- In situ instrument deployment at sea or in ice camp settings
- Quantitative data analysis
- Working knowledge of Norwegian

Qualification with a PhD is required before commencement in the position. If you're at the final stages of your PhD, you may still apply if you have submitted your PhD thesis for doctoral degree evaluation within the application deadline. You must submit the thesis with your application. You must have dissertated before the start-up date of the position.

In assessment of applications, emphasis will be placed on the relevance of research work to date, the quality of research proposal and the applicant's track record. Personal motivation and personal suitability will also be taken into account.

At UiT we put emphasis on the quality, relevance and significance of the research work and not on where the work is published, in accordance with the principles of The San Francisco Declaration on Research Assessment ([DORA](#)).

Inclusion and diversity

UiT The Arctic University i Norway is working actively to promote equality, gender balance and diversity among employees and students, and to create an inclusive and safe working environment. We believe that inclusion and diversity is a strength, and we want employees with different competencies, professional experience, life experience and perspectives.

If you have a disability, a gap in your CV or immigrant background, we encourage you to tick the box for this in your application. If there are qualified applicants, we invite least one in each group for an interview. If you get the job, we will adapt the working conditions if you need it. Apart from selecting the right candidates, we will only use the information for anonymous statistics.

We offer

Anything you want to highlight, for example:

- Involvement in an interesting research project
- Excellent career opportunities
- A good academic environment with dedicated colleagues
- Flexible working hours and a state collective pay agreement
- Pension scheme through the state pension fund

If NFR funds the position: If you receive a personal overseas research grant from NFR it is possible to apply NFR for an extension of the fellowship period corresponding to the length of the stay abroad (minimum three months, maximum 12 months).

Application

The position will be part of the international research community where the working language is English. The application should be in English.

- The application must be submitted electronically via www.jobbnorge.no and must include:
- Cover letter
- CV containing complete overview of education, professional training and professional work
- Academic works (maximum 10, the PhD dissertation counts as one)
- List of academic works
- Project proposal with description of research interests and motivation as it relates to the position
- Transcripts of MSc and PhD degrees
- Written references (2)
- Contact information for 2-3 references
- Documentation of proficiency in English language
- Description of two author/co-author publications which you consider most important

The project proposal should be 1-2 pages in length and is a mandatory component of the application.

The documentation must be in English or a Scandinavian language. We only accept applications sent via www.jobbnorge.no.

General information

The appointment is made in accordance with State regulations and guidelines at UiT. At our website, you will find [more information for applicants](#).

The remuneration for Postdoctoral research fellow 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.

The successful candidate must be willing to get involved in the ongoing development of their department and the university as a whole.

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

In case of discrepancies between the Norwegian and the English version of this description, the Norwegian version takes precedence.

More practical information for working and living in Norway can be found here: [International staff](#)

Welcome to UiT!

UiT - Developing the high north

The Faculty of Biosciences, Fisheries and Economics (BFE) consists of Department of Arctic and Marine Biology, Norwegian College of Fishery Science (NFH) and School of Business and Economics. The main task of BFE is to conduct teaching and research dissemination at a high national and international level within all relevant fields. Prioritized research areas are aquatic and terrestrial ecosystems, climate, life in the arctic, marine bioprospecting, fish health, seafood products, business and macroeconomics, resources and environment, markets and management of marine resources.

The interdisciplinary profile of the faculty provides good opportunity to develop research projects involving several research groups at the faculty according to its strategy.

Jobbnorge-ID: 212626, Søknadsfrist: Ikke søkbar