



Jobbnorge ID: 226001

Deadline: 6/7/2022

Website: <https://www.uib.no/om/84775/ledige-stillinger-ved-uib>

Scope: Fulltime

Duration: Fixed Term

PhD position in physical oceanography at the Geophysical Institute

UiB - Knowledge that shapes society

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Video: <https://www.youtube.com/watch?v=oYaThmlq6Kg>

PhD position

There is a vacancy for a PhD position in physical oceanography at the [Geophysical Institute](#) and the [Bjerknes Centre for Climate Research](#). The PhD position is a part of the [Climate Narratives](#) project and a multidisciplinary collaboration with biological and social sciences. The position is for a fixed-term period of 3 years with the possibility of a 4th year with compulsory other work (e.g. teaching duties).

About the project/work tasks

The PhD position is a part of the [ClimateNarratives](#) project that will use Disco Bay as a case study for a Greenland ocean-glacier system. [ClimateNarratives](#) will improve scientific understanding and data sharing of climate change in Greenland and the southwest Pacific, and work to better exchange local knowledge and narratives about natural systems change with local indigenous communities. The overall project objective is thus to co-create new knowledge in order to better assess relevance of physical and biological climate change and their societal consequences. There are two other [ClimateNarratives](#) PhD's that will work in parallel at Department of Biological Sciences (UiB) and at the University of the South Pacific.

This PhD project will focus on melting ice and changes in wind and ocean currents related to global warming in Disco Bay on Greenland. In Disco Bay Jakobshavn Glacier enters the ocean, and greatly impacts the seasonal hydrography, sea ice and circulation in the bay where the locals fish and hunt. The objective will be achieved primarily through analysis of available and new observations, numerical simulations, and theoretical considerations. The available observations are hydrographic profiles from local research vessels, helicopters and possibly from the sea ice during winter. The processes of interest include freshwater runoff, air-sea-ice interaction, sea ice growth, inflow of warm Atlantic water, and related biological processes in the pelagic ecosystem.

Main PhD supervisor will be Professor Lars H. Smetsrud, and co-supervisor will be Øystein Varpe at Department of Biological Sciences. Through international collaboration, especially with Greenland and US institutions, the PhD student will work and interact with a number of Arctic Ocean researchers. It is expected that the PhD candidate takes actively part in this collaboration through participation in international workshops and conferences and is also willing to spend time in Ilulissat (Greenland), on a local research vessel, and do field work on sea ice during winter. The PhD student will have access to a team of multi-disciplinary researchers in the [ClimateNarratives](#) project and in-depth collaborations across the disciplines will be encouraged and facilitated.

Qualifications and personal qualities:

- Applicants must hold a master's degree or the equivalent in physical oceanography, meteorology, climate dynamics, physics, applied mathematics or related fields. Alternatively, a master thesis must have been submitted for assessment prior to the application deadline. It is a condition of employment that the master's degree has been awarded.
- A good understanding of ice-ocean physical processes and experience with physical processes at high latitudes is a major advantage.
- Experience with oceanographic field work and scientific programming (Matlab, Python, etc) including analysis of simulations and observations is an advantage.
- Experience at the interface between physical oceanography and marine biology is an advantage, as well as an interest in multidisciplinary humanities and social science.
- Applicants must be able to work independently, in a structured manner, and demonstrate good collaborative skills.
- Applicants must be proficient in both written and oral English and have good communication skills.
- It is an advantage if the applicant is fluent in a Nordic language. ClimateNarratives and the Geophysical Institute has active ongoing outreach projects towards high schools in Norway and Greenland.

Personal and relational qualities will be emphasized. Ambitions and potential will also count when evaluating the candidates.

About the PhD position

The fellowship will be for a period of 3 years, with the possibility for a 4th year, consisting of 25 % compulsory work. The 4th year is contingent on the qualifications of the candidate and the teaching needs of the department. This will be decided by the head of department upon appointment. The employment period may be reduced if you have previously been employed in a qualifying post (e.g., research fellow, research assistant).

About the research training

As a PhD candidate, you must participate in an approved educational programme for a PhD degree within the 3 or 4 - year period. A final plan for the implementation of the research training must be approved by the faculty within two months after you have commenced in the position. It is a condition that you satisfy [the enrolment requirements for the PhD programme](#) at the University of Bergen.

We can offer:

- a good and professionally challenging working environment
- salary at pay grade 54 (Code 1017/Pay range 20, alternative 10) in the state salary scale. This constitutes a gross annual salary of NOK 491 200. Further promotions are made according to length of service in the position.
- enrolment in the Norwegian Public Service Pension Fund
- good [welfare benefits](#)

Your application must include:

- a brief account (less than 1 page) of your research interests and motivation for applying for the position
- the names and contact information for two referees. One of these should be the main advisor for the master's thesis or equivalent thesis CV transcripts and diplomas showing completion of the bachelor's and master's degrees, or official confirmation that the master's thesis has been submitted.
- relevant certificates/references
- approved documentation of proficiency in English (if required, cf. [English language requirements for PhD admission](#))
- a list of any relevant scientific publications, including those in preparation.
- a copy of any available scientific publications in your name

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at Jobbnorge.

General information

For more details about the position, contact Prof. Lars H. Smedsrud (lars.smedsrud@uib.no).

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. Age and gender balance among employees is therefore a goal. We therefore encourage all qualified candidates to apply for the position.

The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.

Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.

The successful applicant must comply with the guidelines that apply to the position at all times.

For further information about the recruitment process, click [here](#).

Life as a PhD candidate at UiB

Marion Claireaux tells about life and work as a PhD candidate at UiB.

Video: <https://www.youtube.com/watch?v=nrt6VxMeJ4&index=2&list=PLf8ZIYfAO0qjhROTj6SthDbSScg0lSO6G>

About UiB

The University of Bergen is a renowned educational and research institution, organised into seven faculties and approximately 54 institutes and academic centres. Campus is located in the centre of Bergen with university areas at Nygårdshøyden, Haukeland, Marineholmen, Møllendalsveien and Årstad.

There are seven departments and several centres at Faculty of Mathematics and Natural Sciences. [Read more about the faculty](#) and [departments](#).

Additional information

Place of service:

Bergen 5007 Bergen (Bergen Municipality)