



UNIVERSITETET I BERGEN

**University of  
Bergen**  
Department of  
Informatics

**Jobbnorge ID:** 283629

**Deadline:** 8/17/2025

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

**Scope:** Fulltime

**Duration:** Fixed Term

## PhD Research Fellow in Quantum Technology

### UiB - Knowledge that shapes society

Through robust and close interaction with the world around us - globally, nationally and locally - we shall be instrumental in building a society based on knowledge, skills and attitudes.

Do you want to take part in shaping the future?

Video: <https://youtu.be/i4SDcLir6Oc>

### PhD position in Quantum Technology

There is a vacancy for a PhD Research Fellow in Quantum Technology at [the Department of Informatics](#). The position is for a fixed-term period of 3 years with the possibility of a 4th year with career-promoting work (e.g. teaching at the Department). The position is subject to financing by the University of Bergen and has a starting date no later than 31.12.2025.

### About the project/work tasks

The position is linked to UiB's initiative in quantum technology, and it may also be associated with the new [Center for Space Communications Research](#). The person hired will work within research on:

- Quantum information theory,
- Quantum compressive sensing,
- Quantum error-correcting codes,
- Quantum computing, and/or
- Post-quantum cryptography.

The education will provide a strong foundation for participating in the development of quantum technology. In Norway, we aim to expand and strengthen the national academic community in quantum technology, and it will be a great advantage to have a candidate who can build networks and contribute to this community. We are also looking for a candidate who can strengthen the department's teaching portfolio in quantum technology in Norwegian. PhD candidates at the Department of Informatics are affiliated with the department's [Research School in Information and Communication Technology](#).

### Qualifications and personal qualities

- Applicants must hold a master's degree or equivalent education in Informatics, Physics or Mathematics, or must have submitted his/her master's thesis for assessment prior to the application deadline. It is a condition of employment that the master's degree has been awarded.
- It is an advantage if the candidate has good theoretical knowledge of at least one of the research areas mentioned under the section About the project/work tasks.
- Good command of the Norwegian language is an advantage.
- Applicants must be able to work independently and in a structured manner and demonstrate good collaborative skills.
- Applicants must have good written and oral English skills

Personal and relational qualities will be emphasized. Research experience, ambitions and potential will also count when evaluating the candidates.

### Special requirements for the position

The University of Bergen is subjected to the regulation for export control system. The regulation will be applied in the processing of the applications.

## About the PhD position

**About the PhD Research Fellow position :** The fellowship will be for a period of 3 years, with the possibility for a 4th year contingent on the qualifications of the candidate and the teaching needs of the department and will be decided by the head of department upon appointment. If a 4th year is granted, one year of career-promoting work associated with teaching, dissemination or research infrastructure/services, will be distributed over the full employment period and thus corresponding to 25 per cent of the time each year. 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 Research Fellow, you must participate in an approved educational programme for a PhD degree within a period of 3 years. The deadline for applying for admission to the PhD programme at The Faculty of Science and Technology is 2 months after you start your position or after the start of the research project that will lead to the PhD degree. It is a condition that you satisfy [the enrolment requirements for the PhD programme](#) at the University of Bergen.

## We can offer:

- Exciting development opportunities as part of your role in a strong professional environment
- Salary as PhD research fellow (code 1017) in the state salary scale. This constitutes a gross annual salary of NOK 568 700. Further promotions are made according to qualifications and length of service in the position.
- Enrolment in the Norwegian Public Service Pension Fund
- Good [welfare benefits](#)

## Your application must include

- A brief account of the applicant's research interests and motivation for applying for the position
- The names and contact information for two reference persons. 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
- A list of any works of a scientific nature (publication list)
- Approved documentation of proficiency in English (if required, cf. [English language requirements for PhD admission](#))

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

## General information:

Detailed information about the position can be obtained by contacting: Professor Øyvind Ytrehus on [Oyvind.Ytrehus@uib.no](mailto:Oyvind.Ytrehus@uib.no) or 55184385, or Professor Lilya Budaghyan on [lilya.budaghyan@uib.no](mailto:lilya.budaghyan@uib.no).

For HR related questions contact HR adviser Karoline Christiansen on [karoline.christiansen@uib.no](mailto:karoline.christiansen@uib.no) or 55 58 47 70.

Diversity is a strength that enables us to solve our tasks even better. UiB therefore needs qualified employees regardless of gender, ethnicity, religion, worldview, disability, sexual orientation, gender identity, gender expression, and age.

**We encourage women to apply. If multiple applicants have approximately equivalent qualifications, the rules pertaining to moderate gender quotas shall apply.**

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.

We encourage applicants with disabilities, immigrant backgrounds, or gaps in their CV to apply. By indicating such circumstances in your application, you may receive favourable consideration. We ensure that at least one qualified applicant from each of these groups is invited for an interview as part of our commitment to inclusivity and equal opportunity. 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=PLf8ZIYfAO0qjhROTj6SthDbSScg0ISO6G>

## 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 Science and Technology. [Read more about the faculty](#) and [departments](#).

## **Additional information**

### **Contact person:**

Karoline Christiansen, HR

Phone: +47 55 58 47 70 | E-mail: karoline.christiansen@uib.no

### **Place of service:**

Thormøhlensgate 55 5006 Bergen (Bergen Municipality)