



**Jobbnorge ID:** 285302

**Deadline:** 9/11/2025

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

**Scope:** Fulltime

**Duration:** Permanent

## PhD Research Fellow in comparative mitochondrial dynamics

### 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

There is a vacancy for a PhD Research Fellow in comparative mitochondrial dynamics, combining experimental and computational work, at the [Department of Mathematics](#). 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 funded by the NFR.

### About the project/work tasks:

- Mitochondria power complex life. They are highly dynamic, moving through the cell with rapid and complex collective motion - check out [www.mitochondriamove.com](http://www.mitochondriamove.com). Mitochondrial populations in cells form "social networks", meeting and exchanging biomolecules in a cellular society. The reasons for this behaviour remain poorly understood, and outside of some model species, this behaviour itself is poorly characterised.
- We have recently developed cross-eukaryotic theory linking this motion to the essential maintenance and sharing of biomolecules across the cellular population of mitochondria (PMID 38043948). Already supported by experiments in model plants, this theory predicts that mitochondria across a diverse range of other species might face the same pressures. This project will explore this hypothesis, combining live-cell imaging of mitochondria in plants, algae, and marine metazoa with computational analysis to find the universal principles of mitochondrial motion across these species.
- The project is part of an NFR-funded project "MitoPhyto" combining experimental and modelling approaches to explore mitochondrial behaviour. The position is hosted in the Department of Mathematics but the laboratory work will take place in the Michael Sars centre.

### Qualifications and personal qualities:

- Applicants must hold a master's degree or equivalent education in cell biology, biomathematics, or a comparable subject, or must have submitted his/her master's thesis in such a topic for assessment prior to the application deadline. It is a condition of employment that the master's degree has been awarded.
- Applicants must demonstrate the potential to adopt interdisciplinary approaches to biology at a top level of research, combining laboratory and computational work.
- Experience with live-cell confocal microscopy is an advantage.
- Experience with quantitative cell biology and computational modelling, especially using R, is an advantage.
- Experience with applied statistics is an advantage.
- Applicants must be able to work independently and in a structured manner and demonstrate good collaborative skills.
- Applicants must be proficient in both written and oral English.
- 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:

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 Mathematics and Natural Sciences 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:

- a good and professionally stimulating working environment
- salary as PhD research fellow (code 1017) in the state salary scale. This constitutes a gross annual salary of NOK 568 700. Further increases in salary 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 of the applicant's 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. If you have not yet completed your master's degree, please submit a statement from your institution confirming the expected date of award of your master's degree. Your master's degree must be documented with transcripts and/or diploma before starting in the position.
- relevant certificates/references
- approved documentation of proficiency in English (if required, cf. [English language requirements for PhD admission](#))
- a list of any works of a scientific nature (publication list with links)

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

### General information:

For further details about the position, please contact Professor Iain Johnston, Department of Mathematics [iain.johnston@uib.no](mailto:iain.johnston@uib.no). For HR related questions contact Adviser Magnus Skogstad, HR Department of Mathematics [magnus.skogstad@uib.no](mailto:magnus.skogstad@uib.no)

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.

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.

Further information about the employment process can be found [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:

Iain George Johnston, Professor  
Phone: | E-mail: [iain.johnston@uib.no](mailto:iain.johnston@uib.no)

**Place of service:**

Christiesgt. 18 5020 Bergen (Bergen Municipality)