



Jobbnorge ID: 276197

Deadline: 3/19/2025

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

Scope: Fulltime

Duration: Fixed Term

PhD Research Fellow in medicinal chemistry

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://www.youtube.com/watch?v=oyaThmlq6Kg>

PhD position

There is a vacancy for a PhD Research Fellow in medicinal chemistry at the [Department of Chemistry](#). The position is for a fixed-term period of 4 years, of which 25% of the time each year comprises career-promoting work (e.g. teaching duties at the Department). The position is associated with the research group for [Bioresources and Pharmaceutical Chemistry](#).

About the project/work tasks

The PhD position is linked to an interdisciplinary research project aimed at discovering new small organic molecules that can inhibit enzymes important in fatty acid synthesis pathway in bacteria. The development of such inhibitors is considered a promising strategy for the development of new antibiotics.

You will work on the synthesis of inhibitors, which will involve evaluating synthetic feasibility, planning synthesis routes where flexibility will be an important element, and synthesizing small molecular target compounds in addition to participating in the design process. You will be tasked with developing new synthesis routes to identified target compounds and using these to produce compound libraries for further evaluation in various assays. We plan to use the departments laboratory for automated chemistry to optimize synthetic steps (and routes), using machine learning in closed-loop (autonomous) optimizations.

The tasks will be varied, and you will have the opportunity to contribute to developing new solutions in a research environment focused on innovation. You will work at the interface between informatics, chemistry, and biology, and your engagement in the project and contribution to interdisciplinary communication will be important for achieving the research goals. Testing of synthesis products using biochemical assays will be performed by other project collaborators as well as external partners.

It is expected that you will contribute to the supervision of MSc students and actively participate in academic activities within the group and at the Department of Chemistry.

Qualifications and personal qualities:

- Applicants must hold a master's degree or equivalent education in medicinal chemistry or organic synthesis 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.
- Applicants must document a solid background in the synthesis of small organic molecules.
- Experience in structural characterization of organic molecules using NMR spectroscopy is required.
- Experience with other analytical techniques such as HPLC, MS, and LC-MS is an advantage.
- A master's degree in pharmacy is an advantage.
- Experience from projects in medicinal chemistry is an advantage.
- Experience with molecular modeling/docking is an advantage.
- Applicants must be able to work independently and in a structured manner and demonstrate good collaboration skills.
- Applicants must be proficient in both written and oral English.
- A good command of Norwegian or another Scandinavian language is an advantage for teaching activities.

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 duration of the PhD Research Fellow is 4 years, of which 25 per cent of the time each year comprises required duties associated with research, teaching and dissemination of results. 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:

- 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 540 500. 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 (must be attached as a separate pdf file, maximum three pages)
- 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 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)
- CV must include information about your proficiency in Norwegian or another Scandinavian language
- a list of any works of a scientific nature (publication list)
- any publications

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 Bengt Erik Haug, Department of Chemistry, e-mail: bengt-erik.haug@uib.no, phone: +47 55 48 34 68 or Professor Magne O. Sydnes, Department of Chemistry, e-mail: mange.sydnes@uib.no, phone: + 47 55 58 33 60.

For HR related questions contact Anna Folgerø, e-mail: anna.folgero@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.

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

Place of service:

Christiesgt. 18 5020 Bergen (Bergen Municipality)