



UNIVERSITETET I BERGEN

**University of
Bergen**
Department of Earth
Science

Jobbnorge ID: 222548

Deadline: 4/4/2022

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

Scope: Fulltime

Duration: Fixed Term

Two PhD positions in Salt Tectonics and Sedimentation

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

Two PhD positions in Salt Tectonics and Sedimentation

There are two vacancies for PhD Research Fellows in the [Department of Earth Science](http://www.uib.no/en/geo) (<http://www.uib.no/en/geo>) in salt tectonics and sedimentation. The positions are for a fixed-term period of 3 years with the possibility of a 4 th year with compulsory other work (e.g. teaching duties at the Department) and are affiliated to the ZechTec project.

It is preferable with a starting date in late spring/early summer 2022.

About the project/work tasks:

The ZechTec project is a multidisciplinary project integrating geophysical and geological data to provide a basin-scale synthesis of Zechstein Supergroup salt deposition and tectonics, and the impact these jointly have on sedimentation. The project integrates subsurface analysis of industry-standard seismic and well data from the Central North Sea with physical and numerical modelling. The project is led by Rob Gawthorpe and Atle Rotevatn at the University of Bergen, Chris Jackson at the University of Manchester, and Oliver Duffy at University of Texas at Austin. It is financed by the Research Council of Norway.

The two PhD projects will focus on salt tectonics and coeval sedimentation in the Central North Sea using seismic and well datasets. One PhD will focus on the Zechstein Supergroup; the other on syn-tectonic Triassic sedimentary systems. The research will involve:

- Seismic- and well-based lithological and stratigraphic analysis of intra-salt and salt-influenced intervals.
- Seismic-based structural analysis to constrain the geometry and growth of salt structures.
- Integrated well and seismic studies of depositional systems and their evolution.
- Liaison with industrial sponsors.
- Presentation of results at sponsor meetings and at conferences.
- Production of written reports and publication of results in major geoscience journals

Qualifications and personal qualities:

- Applicants must hold a master's degree or equivalent education in earth science that is relevant to the project or must have submitted his/her master thesis for assessment prior to the application deadline. It is a condition of employment that the master's degree has been awarded.
- Experience of subsurface structural geological interpretation is a requirement.
- Experience of sedimentological and stratigraphic analysis of wireline log and core data is a requirement.
- Experience of interpreting 3D seismic data is a requirement, preferably using Petrel.
- Experience of salt tectonics and/or structural restoration approaches would be an advantage.
- Experience of integrating borehole data (and core-based observations) into seismic— based studies would be an advantage.
- Experience of ARCGIS would be an advantage.
- Experience of working in the energy industry would be an advantage.
- Applicants must be proficient in both written and oral English.
- Applicants must be able to work independently and in a structured manner and have the ability to cooperate with others.

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

About the PhD position (applies to university PhD positions):

About the PhD Research Fellow:

The fellowship will be for a period of 3 years, with the possibility for a 4th year, consisting of 25 % compulsory work (e.g. teaching responsibilities at the department) distributed over the employment period. The 4th year is 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.

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 challenging working environment with excellent research facilities.
- Salary at pay grade 54 (code 1017/LR20, alternative 10) in the state salary scale. This constitutes a gross annual salary of NOK 491 200. 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 one, or both, of the two vacancies.
- 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 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 works of a scientific nature (publication list).
- Any publications in your name.

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

General information:

Further information about the position can be obtained from: Professor Rob Gawthorpe, Department of Earth Science, University of Bergen, e-mail: rob.gawthorpe@uib.no, or Professor Atle Rotevatn, Department of Earth Science, University of Bergen, e-mail: atle.rotevatn@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. It is also a goal to recruit employees with immigrant backgrounds. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.

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 adheres to 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.

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:

Allégaten 41 5007 Bergen (Bergen Municipality)