



UNIVERSITETET I BERGEN

**University of
Bergen**
Department of Earth
Science

Jobbnorge ID: 253802

Deadline: 12/29/2023

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

Scope: Fulltime

Duration: Fixed Term

PhD Research Fellow in stable isotope geochemistry.

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

PhD Research Fellow in stable isotope geochemistry.

There is a vacancy for a PhD Research Fellow in stable isotope geochemistry at the [Department of Earth Science](#), University of Bergen. 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 at the Department). The position is linked to the [Centre for Deep Sea Research](#) (CDeepSea). The successful candidate must be able to start in the position no later than April 1st, 2024.

About the project/work tasks:

Non-traditional stable isotopes provide a promising tool for understanding subsurface processes in seafloor hydrothermal systems. However, interpretations from natural samples are currently hampered by limited knowledge about stable isotope fractionation under hydrothermal conditions. This project aims to study the isotope effects that occur during the leaching and mobilization of metals from host rocks in the reaction zones of hydrothermal systems, using a rock record-based approach. The successful candidate will collect and study samples from hydrothermal alteration zones in ophiolites, determine their Fe and Cu isotopic composition using a multi-collector ICP-MS, and use this to assess the sign and magnitude of isotope fractionation during hydrothermal leaching. The results from this project will be used to re-evaluate recently obtained Fe and Cu isotope data from active seafloor hydrothermal vent fields.

The project is part of the Centre for Deep Sea Research theme I: Mantle to Fluids.

Analytical work and fieldwork are planned to be carried out both in Norway and abroad. It is therefore desirable that the person appointed has the opportunity to travel for shorter periods abroad during the project period in order to carry out the project.

Qualifications and personal qualities:

- Applicants must hold a master's degree or equivalent education in geoscience, with a specialization in geochemistry. Master students can apply provided they complete their final master exam before 08.01.2024. It is a condition of employment that the master's degree has been awarded.
- A solid background in isotope geochemistry is a requirement, preferentially with a focus on stable isotopes.
- Practical experience with mass spectrometry (in particular, MC-ICP-MS) and work in the clean laboratory is an advantage.
- Experience with petrology and mineralogy is an advantage.
- Experience with geological fieldwork is an advantage.
- Applicants must be able to work comfortably in the laboratory during all stages of the analytical pipeline.
- 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. Ambitions and potential will also count when evaluating the candidates.

Special requirements for the position:

The engagement is to be made in accordance with the regulations in force concerning [State Employees and Civil Servants](#), and the acts relating to [Control of the Export of Strategic Goods, Services and Technology](#). If your application is considered to be in conflict with the criteria in the latter legislation and if it is considered that you will not be able to start in the position within the date stated above, your application will be rejected without further assessment.

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 stimulating working environment.
- Salary as PhD research fellow (code 1017) in the state salary scale. This constitutes a gross annual salary of NOK 532 200 (equivalent to pay grade 54). 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 cover letter with a brief account of the applicant's research interests and motivation for applying for the position.
- A short (200-300 words) description of your experience with (stable) isotope geochemistry and expectations for the project.
- 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, alternatively a confirmation from your institution on completed degree and your grade, by 08.01.2024.
- 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:

For further details about the position, please contact Associate Professor Desiree Roerdink, Department of Earth Science, UiB, desiree.roerdink@uib.no, +47 55 58 38 59.

For HR related questions contact Vivian Stegen Jacobsen, vivian.jacobsen@uib.no

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. 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 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=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 Mathematics and Natural Sciences. [Read more about the faculty](#) and [departments](#).

Additional information

Place of service:

Allegaten 41 5007 Bergen (Bergen Municipality)