



The Rock-Water Interaction Group at the University of Bern conducts fundamental and applied research into groundwater evolution and quality, disposal of radioactive and toxic wastes, geothermal energy and other geo-resources. Our team of ~25 people deals with a large spectrum of methods, including field sampling, analysis of rocks and ground- and porewaters (chemistry, isotopes, gases), field- and laboratory-experiments, geochemical modelling and other theoretical approaches. We collaborate closely with research partners from academia, industry and public authorities worldwide.

[http://www.geo.unibe.ch/research/rockwater\\_interaction/index\\_eng.html](http://www.geo.unibe.ch/research/rockwater_interaction/index_eng.html)

To expand our team in the field of hydrogeochemistry and low-temperature geochemistry we are seeking to employ, ideally beginning on 1<sup>st</sup> February 2021, a

## Research Scientist in Hydrogeochemistry

**Employment rate: 80-100%, annually renewable, with a long-term perspective.**

### Tasks:

- Sampling and analysis, critical evaluation, quality assurance and archiving of ground- and porewater data (chemistry, isotopes, gases) and relevant rock data
- Co-management of wet-chemistry laboratory
- Geochemical modelling of rock–water interaction (equilibrium, kinetics, isotopes)
- Collaboration with team members in modelling and interpreting the geochemical evolution of ground- and porewaters in a hydrogeological context
- Writing scientific reports and publications
- Assistance with teaching and supervision of students

### Requirements:

- Education in Earth-Sciences (PhD, preferably in geochemistry)
- Experience in treatment, modelling (e.g. PhreeqC) and interpretation of hydrochemical data
- Experience in isotope hydrogeology (stable and radiogenic)
- Flair for analytical work
- Basic knowledge of geology, mineralogy and petrography
- Languages: English (oral and written), German (at least ability to read)

### We offer:

- Employment according to the rules and conditions of the Canton of Bern
- Work space and team work at the Institute of Geological Sciences, interaction with students
- Close collaboration with research partners from academia and industry worldwide
- Modern laboratory infrastructure, analytical instruments and computing systems

Applications containing the usual documentation should be sent in electronic form by 30<sup>th</sup> November 2020 to: Institute of Geological Sciences, Ms. S. Antenen, Baltzerstrasse 3, 3012 Bern, Switzerland.  
[sarah.antenen@geo.unibe.ch](mailto:sarah.antenen@geo.unibe.ch).

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