

Postdoctoral researcher position on ex situ mineral carbonation at the University of Bern

We invite applications for a Postdoctoral researcher to join our team at the Institute of Geological Sciences at the University of Bern, Switzerland. The postdoc will join a project investigating the capacity for ex situ mineral carbonation in Switzerland and its potential to contribute towards achieving climate goals. The project involves laboratory experiments to determine carbonation rates and CO₂ storage capacity of rocks in (or nearby) Switzerland, combined with fieldwork to characterize promising materials for *ex situ* carbonation. Techniques to be employed include, but are not limited to, X-ray diffraction, laser-ablation ICP-MS, electron microprobe and microscopy, fluid composition analyses, metal isotope analyses, and geochemical modelling. Existing skills with any of these techniques is considered an asset.

The successful candidate must hold a PhD in a related field (e.g., Earth Sciences, Chemistry) at the time of appointment. Experience conducting geochemical experiments is an asset, as are strong analytical and laboratory skills. Good written and verbal communication skills in English are required.

The Institute of Geological Sciences is an international and interdisciplinary environment hosting state-of-the art laboratory and analytical facilities. We aim to foster a supportive, dynamic, diverse, and inclusive team, and individuals from historically underrepresented groups in the Natural Sciences fields are encouraged to apply.

To apply: Submit a Curriculum vitae, cover letter (max 2 pages), a summary of research interests (maximum 2 pages), and contact information for 2 referees by email to Prof Anna Harrison (anna.harrison@unibe.ch). Please direct any questions to Prof Anna Harrison. The application remains open until a suitable candidate is found. Only short-listed candidates will be contacted for an interview.

Preferred start date: January or February 2025