

Eawag, the Swiss Federal Institute of Aquatic Science and Technology, is an internationally networked aquatic research institute within the ETH Domain (Swiss Federal Institutes of Technology). Eawag conducts research, education and expert consulting to achieve the dual goals of meeting direct human needs for water and maintaining the function and integrity of aquatic ecosystems.

Eawag is a modern employer and offers an excellent working environment where staff can contribute their strengths, experience and ways of thinking. We promote gender equality and are committed to staff diversity and inclusion. Female applicants and applicants from under-represented groups are especially encouraged. The compatibility of career and family is of central importance to us. For more information about Eawag and our work conditions please consult www.eawag.ch and www.eawag.ch/en/aboutus/working/employment.

The [Aquatic Geochemistry](#) Group in the Department of Surface Waters – Research and Management ([SURF](#)) located in Kastanienbaum (Lucerne) has a vacancy for a

24-month Postdoctoral position / Trace metal stable isotope cycling in anoxic lakes

About the project: Trace metal stable isotopes are widely used as proxies to reconstruct redox conditions throughout Earth's past, and are emerging tracers of biological productivity. A mechanistic understanding of the processes driving fractionation and the formation of signals in the sediment record are necessary for robust reconstructions using these proxies. Anoxic lakes offer a range of iron-rich and sulfur-poor conditions, which were widespread throughout Earth's history but absent in the modern ocean. Therefore, anoxic lakes can offer unique insight into controls on trace element cycling through geologic time, as well as mechanisms that drive the stable isotope records used as proxies. **This project will focus on a process-based understanding of the cycling of redox-sensitive stable isotope systems** (e.g. Cr, Mo) across a range of anoxic lakes. The position will involve fieldwork and collaboration with physicists, microbiologists, and biogeochemists conducting cutting-edge research on physico-biogeochemical cycling.

About the Position: We are seeking a highly motivated postdoctoral researcher with expertise in **aquatic trace elements, trace element stable isotope analysis, and biogeochemical cycling in aquatic environments**. Candidates should hold a PhD in earth, ocean, or environmental sciences, or similar. Fieldwork experience and an interest in coupling of physical and biogeochemical processes are highly desirable. The successful candidate will have excellent analytical and problem-solving skills, be adept at working both independently and collaboratively, and have a strong publication record. The project offers opportunities to collaborate with other research groups in the SURF department at Eawag, at other Swiss institutions, and internationally.

Application: To apply for this position, please submit the following documents:

- Curriculum vitae (CV) detailing your academic qualifications and research experience.
- A cover letter describing your research interests, relevant skills, motivation for the project and how you meet the postdoc profile.

- Contact information for at least two professional references.
- Proof of a PhD degree. Candidates who have not yet completed their PhD or have not been awarded their official degree will be considered as long as degree completion or a scheduled PhD defence date before 1-September-2024 is confirmed by the supervisor or institute. Proof of degree completion will be necessary before starting the position.

Review of applications will begin on 15 July 2024 and the position will remain open until filled. The anticipated starting date for the position is Fall 2024 or on agreement.

For further information please contact [Dr David Janssen](#)

We look forward to receive your application. Please send it through this webpage, any other way of applying will not be considered. A click on the link below will take you directly to the application form.

Link:

[24-month Postdoctoral position / Trace metal stable isotope cycling in anoxic lakes \(refline.ch\)](#)