

ETH Zurich

DUSYS

Department of
Environmental Systems Science



Postdoctoral position in Environmental Biogeochemistry

We invite applications for a postdoctoral scientist position in the field of environmental (bio)geochemistry. The appointment is **initially for 2 years, but may be extended** to three years or longer upon mutual agreement and in case of excellent performance.

We are seeking a highly motivated and well-trained scientist with a strong background and experience in environmental soil chemistry and/or biogeochemistry of trace elements (e.g., Hg, As, Cr, Se). The successful candidate will conduct independent research on chemical/microbial processes controlling speciation, bioavailability, and/or cycling of Fe, Mn, S, and trace elements in terrestrial environments and related aquatic systems. Solid knowledge of the surface and colloid chemistry of soil minerals, natural organic matter, biogeochemical weathering, redox biogeochemistry, environmental microbiology, mineralogy, and/or chemical speciation analysis in natural systems is expected. Good working knowledge in modern analytical techniques, geochemical modeling, and some experience in synchrotron X-ray absorption spectroscopy would be an advantage.

The successful candidate must hold a PhD degree in soil chemistry, environmental chemistry, geochemistry, mineralogy, or a closely related field. He/she will conduct independent research, advise undergraduate and graduate students, and collaborate with other team members as needed. Involvement in the group's teaching program and other group activities will be expected. Fluency in spoken and written English and the ability to work in a team are essential; knowledge of German would be useful, but not required. The position is ideally suited for candidates pursuing an academic or scientific career.

Applicants should send an application letter, statement of research interests and achievements, career plan, CV, list of publications, transcripts, and names of 2-3 potential references **in a single pdf-file to postdoc1@env.ethz.ch with "pd1" in the subject line**. The letter should be addressed to Prof. Ruben Kretzschmar. We will start evaluating the applications on October 1, 2014, and continue the search until the position is filled. Female and male candidates are equally invited to apply. Employment will be according to standard regulations of the ETH Zurich.

Information about our research group can be found at: <http://www.soilchem.ethz.ch>