

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.

The Departments Environmental Chemistry (UCHEM) and Urban Water Management (SWW) located in Dübendorf (Zurich) offer a

PhD position in Environmental Engineering

or in Environmental Chemistry in the project *mikroMISCH - Micropollutants in Combined Sewer Overflows and Rainwater Discharges*. The overall goal is to gain new insight into the dynamics of micropollutants discharged with untreated water into the environment [peak concentrations, duration and frequency]. The project benefits from the availability of the unique mobile HRMS platform [MS2field](#) and involves the following tasks 1) retrofit [MS2field](#) sample collection and preparation to increase sampling frequency; 2) select representative sites (meta-analysis) and perform field campaigns at a maximum of three locations; 3) evaluate patterns of micropollutants (preselection of compounds for target analysis and non-target analysis time permitting).

The project is fully funded by the Swiss Federal Office for the Environment for a duration of four years. The start is planned for October 2020. The position will be affiliated with the research groups of [Christoph Ort](#) and [Heinz Singer](#) embedded in the two departments [SWW](#) and [UCHEM](#), which emphasizes the interdisciplinary character of this project. The PhD degree will be awarded by the Swiss Federal Institute of Technology (ETH) Zurich. While this is a research-only position, a maximum of 10% time may be committed to teaching or supporting other activities within Eawag.

We are looking for a highly motivated, enthusiastic and independent person with a passion for science. Candidates for this position should have a strong interest in analytical chemistry and hold either an MSc degree in environmental engineering or environmental chemistry. Ideally, candidates demonstrate knowledge in chemical analysis and programming as well as statistical analysis (time series and cluster analyses). Experience with hardware development and programmable logic controllers are an asset. Fluency in English is required.

The position is based at Eawag. Both Eawag and ETH are located within the Zurich metropolitan area. Zurich hosts many other research groups in environmental sciences, and is among the world's leading cities in terms of science, culture and quality of life. Information on working conditions can be found at <http://www.eawag.ch/en/aboutus/working/>. Eawag is an equal opportunity employer. Women are explicitly encouraged to apply to increase their share in science and research.

Applications should include a concise statement describing your motivation to carry out a PhD project on this topic, curriculum vitae, copies of your academic qualifications and contact information for two references.

The deadline for applications is 31 July 2020 or until the position is filled. Skype interviews are scheduled in the week of 24 August (subsequent interviews at Eawag with shortlisted candidates would be desirable but depend on the situation).

For further information, please consult our department websites ([SWW](#) and [UCHEM](#)) or contact [Christoph Ort](#) or [Heinz Singer](#). We look forward to receiving your application through this webpage, any other way of applying will not be considered. Please click on the link below, this will take you directly to the application form.

<https://apply.refline.ch/673277/0792/pub/1/index.html>