

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 of Environmental Toxicology (Utox) and Chemistry (Uchem) invite applications for a

PhD Position on the Bioaccumulation of Ionizable Organic Compounds using Fish Cell Lines

The aim of this research is to investigate if bioaccumulation of ionizable organic compounds in fish can be predicted by means of permanent fish cell lines. We hypothesize that the fish cells possess the necessary processes to accumulate ionizable compounds and as such allow a prediction of bioaccumulation either directly or via physiology-based computational models, which allow to scale from in vitro (fish cell lines) to in vivo (fish).

If you are excited about this topic, and you hold an M.Sc. in environmental toxicology or chemistry or similar, you are invited to apply. Prior experience in working with permanent cells and/or analytical chemistry methods comprise strong assets. You should be eager to dive into both cell biology and analytical chemistry because we aim to quantify cellular burdens for bioaccumulation predictions. We offer a very dynamic and collaborative research environment, which profits from state-of-the-art infrastructure and support. This project is a collaborative effort between the Departments of Environmental Toxicology and Environmental Chemistry with funding provided by the Swiss Federal Office for the Environment.

Please submit your application **by September 7/2018**. Please include a letter of motivation explaining why you think you would fit this position well, a CV with publications (if applicable), and the names and contact information of two references. Applications from women are especially welcome. Eawag is committed to promote equal opportunities for women and men and to support the compatibility of family and work. For more information about Eawag and our work conditions please consult www.eawag.ch and www.eawag.ch/en/aboutus/working/employment.

For further information, please contact Profs. Kristin Schirmer (Kristin.Schirmer@eawag.ch) or Juliane Hollender (Juliane.Hollender@eawag.ch).

We look forward to receiving 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.

<https://apply.refline.ch/673277/0640/pub/1/index.html>