

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 Department of Environmental Toxicology ([Utox](#)) has an opening for a

## PostDoc position in computational *in vitro* fish toxicology

In a collaborative project of Eawag and Utrecht University, we aim to develop and promote a socio-technical framework for toxicity assessment, employing different permanent fish cell lines. Alone or in combination with computational models, these can inform about toxicity mechanisms and outcomes, ultimately allowing prediction of short- and long-term impacts of chemical toxicity to fish. To accelerate the acceptance and implementation of our framework, we will take regulatory routines and procedures, as well as the industrial innovation practices, into account. This “**Fish Invitrome**” project is embedded within the [Swiss National Research Programme 79 \(NRP79\) “Advancing 3R – Animals, Research and Society”](#).

**We are looking for** a Postdoctoral researcher who is keen to:

- **Develop a modular framework that combines *in vitro* testing and computational modelling** for animal-free prediction of chemical toxicity to fish.
- **Work together with stakeholders and social scientists** to facilitate broader uptake of the Fish Invitrome.
- **Work closely with two PhD students and other team members** to integrate newly gained cell line-based toxicological knowledge into the modular framework.

**The Postdoc candidate should have** a PhD in natural sciences or engineering with considerable expertise in incorporating experimental biological data into modelling frameworks and a strong interest to jointly work with experts from industry, government and civil society to analyse the conditions for adopting the new framework into regulatory practices. Solid work ethics, mature teamwork attitude and good English skills are essential.

**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. 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](http://www.eawag.ch) and [www.eawag.ch/en/aboutus/working/employment](http://www.eawag.ch/en/aboutus/working/employment).

**Deadline for applications is 4 February 2023.** Your application should include a cover letter explaining your research background and motivation to apply for this position, a CV with list of publications, copies of your academic qualifications and contact information for two references. The project runs for four years; the starting date is as soon as possible upon agreement.

For further information, please contact [Prof. Kristin Schirmer](#).

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

Applications from employment agencies/personnel consultants are not welcome and will not be considered.

<https://apply.refline.ch/673277/1007/pub/1/index.html>