oekotoxzentrum
centre ecotox

Schweizerisches Zentrum für angewandte Ökotoxikologie
Centre Suisse d'écotoxicologie appliquée
Eawag-EPFL

The Swiss Centre for Applied Ecotoxicology (Ecotox Centre), located at Eawag in Dübendorf and EPF Lausanne, is committed to providing the expertise and scientific tools to measure, assess and minimize the environmental risks of chemicals. The main goals of the Ecotox Centre are to provide expertise and services to public agencies, industry and academia, to offer further education to professionals in the field of ecotoxicology, to serve as a platform for the coordination of interdisciplinary projects and knowledge transfer, and to conduct applied research in aquatic and terrestrial ecotoxicology.

For our group located in Dübendorf we invite applications for a

Two-year Postdoctoral Position in Applied Ecotoxicology and Analytical Chemistry

Topic: Identification and quantification of toxicants in complex mixtures by combining thin layer chromatography with effect-based tools and high-resolution mass spectrometry

We are seeking a scientist with a strong background in the combined application of analytical and bioanalytical tools in complex matrices to reveal the identity of substances causing adverse human health or ecosystem effects.

In this context, the position covers

- the combined application of high-performance thin layer chromatography (HPTLC) with *in vitro* bioassays (e.g. the planar YES and UMU-C tests) and high-resolution mass spectrometry (HRMS/MS) to detect estrogenic and genotoxic contaminants both in native and extracted samples, i.e. migrates from food packing materials, food extracts, drinking water, and environmental waters
- the expansion of the validated methods with additional modes of action (e.g. neurotoxicity, general toxicity or inhibition of photosynthesis) or to other in vitro platforms (e.g. CALUX cell lines)
- close collaboration with a network of stakeholders (e.g. cantonal authorities) and research partners

Candidates should have a PhD in environmental sciences with a strong background in the abovementioned effect-based tools and/or analytical chemical techniques and the combination thereof. The candidate will be expected to work efficiently as part of a team, have excellent verbal and written communication skills, as well as time management and organizational skills. Fluency in spoken and written English is required; German language skills are recommended.

We offer a position for two years with competitive salary and benefits, as part of an enthusiastic, collaborative team in a stimulating scientific work environment. This is a collaborative project of ZHAW Wädenswil, Eawag and the Ecotox Centre. The job location is in Dübendorf and Wädenswil, Switzerland with possible short training periods at the project partners in Germany. Eawag and Ecotox Center offers a unique research and working environment (http://www.eawag.ch/en/aboutus/working/researchenvironment/) and is committed to promoting equal opportunities for women and men and to support the compatibility of family and work. Applications from women are especially welcome. For more information about Eawag and Ecotox Center and our work conditions please consult www.eawag.ch, www.oekotoxzentrum.ch and http://www.eawag.ch/en/aboutus/working/employment/.

Applications should include a letter of interest with a description of pertinent experience, a detailed curriculum vitae including technical and analytical skills and publications, at least two potential referees (Name, address, telephone & email), and copies of certificates of academic qualifications. Foreign documents should be sent as certified English translations.

Please submit your application by 31 May 2017. We intend to fill the position by autumn 2017.

For further information about the position please contact Dr Etienne Vermeirssen,
Email etienne.vermeirssen@oekotoxzentrum.ch.

We look forward to receive 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/673277/0517/pub/1/index.html