

ETH Zurich Postdoc Position – Biological and Medicinal Chemistry

The **ETH Laboratory of Toxicology**, led by Professor Shana Sturla, is part of the ETH Department of Health Science & Technology. We are a multidisciplinary team working at the chemistry-biology interface exploring relationships between chemical structures, biomolecular processes, and cellular responses relevant to chemical safety and drug development.

Job description

A postdoctoral opportunity is available with a focus on chemical biology/medicinal chemistry of nucleic acid-protein interactions. The research will involve the synthesis of small molecules and modified oligonucleotides, and evaluation of interactions with proteins, such as related to DNA repair machinery in cancer cells and covalent inhibition. You will advance research concerning the development of new strategies for precision cancer therapeutics. Depending on your interests and skills, aspects related to high throughput drug screens and in vitro toxicity evaluation may be relevant, and there are opportunities to collaborate in diverse aspects of research in the lab concerning environmental toxicants and human disease, DNA damage and mutagenesis, and microbial metabolism of chemicals.

The initial contract is for 1 year, starting between 1 January 2024-1 April 2024 or a mutually agreed upon date. It is expected to be extended at least one additional year, and could be extended to a maximum of 6 years, depending on availability of funding.

Your profile

- You are skilled in organic synthesis of small molecules and motivated to use synthesis as a critical tool for advancing biological goals.
- Before starting, you will obtain a PhD or equivalent in chemistry, medicinal chemistry or a related discipline, which optimally should have involved synthesis.
- You have clear written and oral communication skills in English.
- You have an independent mindset, good leadership qualities, high flexibility and like to work in an international and team-oriented environment.

ETH Zürich

ETH Zurich is one of the world's leading universities specializing in science and technology. It is renowned for excellent education, cutting-edge fundamental research and direct transfer of new knowledge into society. Over 30,000 people from more than 120 countries find our university to be a place that promotes independent thinking and an environment that inspires excellence. Located in the heart of Europe, yet forging connections all over the world, we work together to develop solutions for the global challenges of today and tomorrow.

Interested?

Please send the following to ethtoxrec@hest.ethz.ch -

- A brief email message that describes research experience and scientific and professional/career goals
- CV including publication list and contact information for 3 referees. Do not include letters of recommendation.

Applications will be considered on an ongoing basis until the position is filled. Contact Prof. Shana Sturla (sturlas@ethz.ch) with questions.