The ISREC Foundation Chair in Translational Oncology has an opening for a

**Post-Doctoral Position in Chemical Biology**

For an interdisciplinary and collaborative project the laboratory of Oliver Hantschel (Swiss Institute for Experimental Cancer Research (ISREC), http://hantschel-lab.epfl.ch) at the École polytechnique fédérale de Lausanne (EPFL) is seeking a highly motivated individual. The proposed project will strengthen our teams’ efforts to target key intracellular oncoproteins with novel intracellular synthetic protein-based therapeutics, termed monobodies. The position is generously funded by the European Research Council and will allow the successful candidate to work in an exciting environment with ample opportunities for training and collaboration with leading laboratories in the fields of Cancer Biology, Synthetic Chemistry, Chemical Biology and Protein Engineering. The Hantschel lab is part of the Swiss National Center of Competence in Research Chemical Biology (http://www.nccr-chembio.ch).

The successful candidate will be part of a multi-disciplinary team that develops monobody inhibitors to various intracellular oncoproteins. The task of the successful candidate will be to develop ‘mirror-image’ monobodies, composed of D-amino acids, which possess increased intracellular and plasma stability and to limit immunogenicity *in vivo*. Furthermore, the candidate will support ongoing efforts to deliver monobody proteins into cells using cell-penetrating peptides and biocompatible nanocarriers, which will enable the testing of monobody-based therapeutics *in vivo* and a possible clinical translation. The position offers the opportunity to use state-of-the-art methods in chemical biology and peptide chemistry and to participate in characterizing monobody action in cancer cells. This innovative endeavor addresses a central problem in cancer medicine and may provide a groundbreaking new approach to target cancer.

**Qualifications**

- Ph.D. degree in any area of Chemical Biology, Protein Engineering, Chemistry or Life Sciences
- expertise in one of the following areas is advantageous: peptide synthesis, native chemical ligation, advanced protein expression/purification techniques, biophysics/structural biology
- strong publication record in peer-reviewed journals
- ability to speak and write effectively in English
- strong team skills
- self-motivated, creative and willing to take risk

The qualified candidate will benefit from working in the international, dynamic and multidisciplinary environment of the EPFL School of Life Sciences. Funding is secured for up to five years. We offer a generous and competitive salary that will commensurate with qualifications and experience. EPFL is an equal opportunity employer.

Applicants should send a motivation letter, full CV, a statement of research interest and names of three references by e-mail to: oliver.hantschel@epfl.ch (subject: post-doc position)

**Starting date:** flexible