Bioinformatician (100%) in the Functional Cancer Genomics Group
Directed by Prof. Jean-Philippe Theurillat
Institute of Oncology Research (IOR)
Bellinzona, Switzerland
www.ior.usi.ch

The Institute of Oncology Research (IOR) in Bellinzona, Switzerland, is a rapidly evolving, leading center for basic and translational research in oncology in Europe. IOR is affiliated to the Università della Svizzera italiana (USI) and its Faculty of Biomedical Sciences, as well as to other leading Swiss Universities and Research Centers.

The IOR is located in a brand-new, high-tech research building that hosts about 20 different research groups, with state-of-the-art labs and facilities, multicultural environment and daily occasions of interaction with world leaders in the fields of cancer, basic immunology and cancer immunology.

Together with the Institute for Research in Biomedicine (IRB), the IOR is member of Bios+, a recently established non-profit association aiming to promote, support and coordinate scientific research and teaching activities of its members (www.biosplus.ch).

We are now looking for a motivated and enthusiastic

Bioinformatician

interested in working in a very active environment at competitive projects in the area of Functional Cancer Genomics, directed by Prof. Jean-Philippe Theurillat.

The highly collaborative lab has ongoing projects with groups at Harvard, MIT and ETHZ, among others.

Publications: https://pubmed.ncbi.nlm.nih.gov/?term=Theurillat%2C+Jean-Philippe+%5BAuthor%5D

Job Description

The successful candidate will work as part of an international team that is dedicated to understanding how new driver alterations culled from cancer genome characterization studies promote tumorigenesis, and how gathered insights can be exploited to develop precision medicines. The position offers excellent scientific opportunities in a highly stimulating and interdisciplinary environment involving close interactions between medical and basic scientists. Investigations range from projects related to:

- Integrated analysis of genomic, transcriptomic, and proteomic expression changes related to prostate cancer progression
- Single-cell RNaseq analysis related to epigenetic drug perturbations
Candidate's profile
- The successful candidate is determined to solve important and challenging questions in biology/medicine
- **Master or Ph.D. in bioinformatics**
- Experience in the analysis of DNA, RNA, and ChIP sequencing data
- Interested or experience in artificial intelligence/machine learning

Employment
The position is located at the Institute of Oncology Research, a leading institution in basic and translational cancer research in Southern Switzerland with state-of-the-art core facilities and competitive salaries. Ph.D. students will enroll into the joint Computational Biomedicine program of the Faculties of Biomedical Sciences and Informatics run by the Euler Institute at USI. The highly collaborative lab has ongoing projects with groups at the Broad Institute of MIT & Harvard, among others. Initial appointment: 1 year - 100%.

Application
We are looking forward to receiving your comprehensive digital application in English **in a single PDF-File**. Application will include curriculum vitae (with training, working experience and publications), two reference letters, and a statement of research interest (maximum one page).

Please submit your application to: humanresources@ior.usi.ch
Reference in the email object: **yoursurname_JPT_BioInf**
Applications sent to different contacts, in other formats or after the deadline will not be considered.

More information about the Institute and Prof. Jean-Philippe Theurillat is available at following link: www.ior.usi.ch
For inquiry regarding this job please contact: jean-philippe.theurillat@ior.usi.ch

Deadline
30.06.2022

Starting date
Summer to late fall 2022