Università della Svizzera italiana

**Institute of Oncology Research**

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

We are looking for a talented and highly motivated

# NGS Data Analyst

interested in working on competitive projects in **Prostate Cancer Progression.**

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

**Role Mission**
The successful candidate will work as part of a team that is dedicated to understanding how molecular alterations promote tumorigenesis, and how gathered insights can be exploited to develop better therapies. The position offers excellent scientific opportunities in a highly stimulating, interdisciplinary environment involving close interactions between medical and basic scientists.

More specifically, the candidate will have the opportunity **to mine an updated version of a harmonized prostate cancer RNA sequencing atlas** ranging from normal to primary and metastatic disease (PMID: 34857732, https://pcaprofilertest.tk/app/home). The new data from more than 2200 clinical samples will allow the **integrated analysis of gene expression, alternative splicing, intron retention, gene mutations, gene fusions, and evidence of microbiota with disease progression**.

**Your profile**
Essentials:
- Ph.D. in bioinformatics/computational biology
- At least one first-author publication in a high-profile journal
- Extensive experience with RNA-seq, ChIP-seq and scRNA-seq data analysis
- Strategic thinking, self-initiative, and a strong sense of accountability with an ability and willingness to challenge, be challenged and learn

Desirable:
- Experience with DNA-seq of liquid biopsies
- Interest or experience in artificial intelligence

IOR
An institute
affiliated to USI

**Our commitment**

The position is located at the Institute of Oncology Research (IOR) in Southern Switzerland. The initial appointment with competitive salaries is for 1 year - 100%.
The IOR in Bellinzona is a rapidly evolving, leading center for basic and translational cancer research located in brand-new research building with state-of-the-art facilities. The IOR is affiliated with the Università della Svizzera italiana (USI) and runs with the Euler Institute a world-wide recognized Computational Biomedicine program (www.euler.usi.ch). The IOR is also affiliated with the Swiss Institute of Bioinformatics (SIB, https://www.sib.swiss) which offers a broad range of training programs.

**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_Data Analyst**
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 the following link: www.ior.usi.ch
For inquiry regarding this job please contact: jean-philippe.theurillat@ior.usi.ch

**Deadline**
30.09.2023

**Starting date**
Fall or winter 2023