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**Bioinformatic Software Developer (100%) in the Functional Cancer Genomics Group, directed by Prof. Jean-Philippe Theurillat  
Institute of Oncology Research (IOR), Bellinzona, Switzerland**  
[www.ior.usi.ch](http://www.ior.usi.ch)

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We are looking for a talented

## **Bioinformatic Software Developer**

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 an international 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 and interdisciplinary environment involving close interactions between medical and basic scientists.

### **Your impact**

The candidate will be responsible for:

- Maintenance and improvement of a new web application for mining prostate cancer RNAseq data, PCaProfiler, currently in closed beta testing at [www.pcaprofilertest.tk](http://www.pcaprofilertest.tk) (PMID: 34857732)
- Design and conduct analysis and develop or improve pipelines
- Nurture trustful relationships and effective collaboration with partners

### **Your profile**

#### Essentials:

- PhD in a quantitative field (e.g., mathematics, statistics, computer science, bioinformatics) with significant computational experience
- Strategic thinking, self-initiative, and a strong sense of accountability
- Experience with full-stack software development
- Good knowledge of Linux, git and docker
- Basic knowledge of R and data analysis

#### Desirable:

- Experience in Angular and Node.js
- Knowledge of MySQL and ORM ( Sequelize or similar )
- Experience with biological workflow management systems such as Nextflow or SnakeMake
- Experience with RNA-seq, ChIP-seq and scRNA-seq data analysis

### **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](http://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](mailto:humanresources@ior.usi.ch)

Reference in the email object: **yoursurname\_JPT\_Software Developer**

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](http://www.ior.usi.ch)

For inquiry regarding this job please contact: [jean-philippe.theurillat@ior.usi.ch](mailto:jean-philippe.theurillat@ior.usi.ch)

### **Deadline**

30.04.2023

### **Starting date**

Spring/summer 2023