Università
della
Svizzera
italiana

Bioinformatician at the Institute of Oncology Research (IOR), Stem Cells & Cancer Lab

The **Institute of Oncology Research (IOR)**
The **IOR**, affiliated with the Università della Svizzera italiana (**USI**), is a leading and rapidly advancing center for basic and translational cancer research. It is housed in a state-of-the-art facility with more than 20 research groups and brand-new high-tech labs and facilities. Alongside the Institute for Research in Biomedicine (IRB), the IOR is a member of **Bios+** (Bellinzona Institutes of Science), a newly established non-profit organization dedicated to advancing, supporting, and coordinating scientific research and teaching initiatives (www.biosplus.ch). IOR provides a dynamic, multicultural environment with daily opportunities for collaboration with global leaders in stem cell research, cancer, aging, and immunology.
The Stem Cells & Cancer Lab, headed by Prof. Arianna Baggiolini, and the Bioinformatics Core Unit, headed by Dr. Luciano Cascione, offer an international, inclusive, and dynamic atmosphere and are inviting applications for a Bioinformatician position (100%).

The projects
The Stem Cells & Cancer lab covers a broad range of topics from human pluripotent stem cells (hPSC)-based models of development and disease to cancer neuroscience and tumor microenvironment. The Bioinformatics Core Unit specializes in algorithm development and software engineering, enabling innovative discoveries and advancing scientific knowledge in the field of genomics and multi-omics data integration. The position will cover projects led by both Arianna Baggiolini (www.baggiolinilab.org; https://ior.usi.ch/en/group/stem-cells-and-cancer) and Luciano Cascione (https://ior.usi.ch/facilities/bioinformatics-core-unit).

Candidates' profile
Ideal candidates should satisfy the following requirements:
- Ph.D. in Bioinformatics, Computational Biology, or a related field.
- Background in stem cells, cancer, or genomics.
- Extensive experience with RNA-seq, Cut&Run, and scRNA-seq data analysis.
- Experience working with large-scale genomics data sets, including transcriptomics, genomics, epigenomics, and proteomics data.
- Desire to collaborate with a diverse team and become an integrated component of multiple projects.
- Strong problem-solving capabilities.
- Excellent written and verbal communication skills (English)
- Ability to work independently and to plan and direct own work.
- Interest in teaching and tutoring students.

General terms

The workplace is IOR, located in Bellinzona, Switzerland, offering competitive salaries.

The starting date is 01.02.2025 (at the earliest). However, the position will be kept open until a suitable candidate has been found.

The Application

Applications must contain:
- Letter in which the applicants describe their research interests and the motivation to apply.
- Complete CV.
- Copies of relevant diplomas and certificates.
- Full transcript of records.
- Complete list of publications with details on the candidate's contributions.
- Minimum 2 and up to 4 reference letters.

Applications must be submitted online by filling out the form accessible through the following link: **CANDIDATES**. You will also need to upload the documents listed above.

Requests for further information can be submitted to Arianna Baggiolini (arianna.baggiolini@ior.usi.ch) and Luciano Cascione (luciano.cascione@ior.usi.ch).

Applications received before 31.12.2024 will be given priority. However, applications will be accepted until the position is filled.

IOR strives to be an equal opportunity and family-friendly employer. As an institution that values diversity, IOR particularly encourages applications from women and all individuals from underrepresented groups.

Bellinzona, November 2024