Bioinformatician at the IOR - Institute of Oncology Research in Bellinzona, Switzerland

Position: Bioinformatician (Graduate Level)

Responsibilities:
- Data Integration: Utilize your bioinformatics skills to integrate multi-omics data sets, including genomics, transcriptomics, proteomics, and epigenomics.
- Algorithm Development: Collaborate with team members to develop and implement novel algorithms and analytical methods for data integration and interpretation.
- Statistical Analysis: Conduct statistical analyses to extract meaningful insights from integrated multi-omics data sets, contributing to scientific publications and presentations.
- Software Development: Contribute to the development and optimization of bioinformatics tools and pipelines for data processing and analysis.
- Team Collaboration: Work closely with interdisciplinary team members, including biologists, clinicians, and computational scientists, to achieve project goals and deliver high-quality results. The Bioinformatics Core Unit, headed by Dr. Luciano Cascione at the Institute of Oncology Research (IOR), seeks a bioinformatician to contribute to a cutting-edge project focused on multi-omics data integration. The Bioinformatics Core Unit serves as a pivotal hub for bioinformatics expertise within our institution, providing essential support for research projects across various domains. Our team specializes in data analysis, algorithm development, and software engineering, enabling innovative discoveries and advancing scientific knowledge in the field of genomics and multi-omics data integration. Join us to be part of a collaborative environment dedicated to driving impactful research forward.

Qualification:
- Bachelor's or master's degree in bioinformatics, Computational Biology, or a related field.
- Strong programming skills in languages such as Python or R.
- Familiarity with bioinformatics tools and databases commonly used for multi-omics data analysis.
- Proficiency in statistical analysis and data visualization techniques.
- Excellent communication and teamwork skills, with the ability to collaborate effectively with colleagues from diverse backgrounds.

Advantages:
- Experience with high-throughput sequencing data analysis.
- Knowledge of machine learning techniques applied to biological data.
- Previous experience in a research or industry setting related to bioinformatics or computational biology.

The IOR, affiliated with the Università della Svizzera Italiana (USI), is in a new high-tech research building that hosts more than 20 research groups. It has state-of-the-art labs and facilities, which include a fully new microbiology lab equipped with anaerobic hoods and an incubator and an innovative microfluidic system for bacteria (Prospector ® by Isolation Bio). Together with the Institute for Research in Biomedicine (IRB), the IOR is a member of Bios+, a non-profit association aiming to promote, support, and coordinate its members' scientific research and teaching activities (www.biosplus.ch). IOR offers a multicultural and thriving environment, daily occasions of interaction with world leaders in the fields of cancer, basic immunology, and cancer immunology, an exciting research project, and multiple occasions of interaction with world leaders in the fields of cancer, basic immunology, and cancer immunology (see Ph.D. lecture series at PhD-program).

Interested? Please submit your application in a single PDF-File including the following documents at humanresources@ior.usi.ch.

Reference in the email object: **Bioinfo-LC2024**
To apply, please submit your resume/CV and a cover letter outlining your interest in the position and relevant experience.
The salary will be competitive and commensurate with the candidate's experience. A full benefits package will be available, including, e.g., gym and car fleet discounts.

For scientific and position-related questions, please contact luciano.cascione@ior.usi.ch

For administrative questions, please contact humanre sources@ior.usi.ch
Applications sent to different contacts, in other formats, or after the deadline will not be considered.
Shortlisted candidates will be invited for a one-day on-site interview.

Deadline: June 1st, 2024
Starting date: We would like to fill the position as soon as possible.

More information about the IOR is available at www.ior.usi.ch.