
SNF ERC founded four-year Postdoctoral Fellowship

In the Molecular Oncology Group Directed by Prof. Andrea Alimonti
at the IOR - Institute of Oncology Research in Bellinzona, Switzerland
www.ior.usi.ch

A 4-year postdoctoral fellowship is available from **November 1st, 2023**, in the lab of Prof. Andrea Alimonti at IOR (<https://ior.usi.ch/en/group/molecular-oncology>) to study the role of senescence, the immune system and the microbiome on the initiation and progression of prostate cancer and the onset of treatment resistance (e.g., Brina et al., Nat Cancer 2023; Bancaro et al., Cancer Cell 2023; Troiani et al. Nat Commun 2022; Pernigoni et al., Science, 2021; Guccini et al., Cancer Cell 2020; Montopoli et al., Ann Oncol 2020; Alajati et al., J Clin Invest 2020, Di Mitri et al., Cell Rep 2019; Chen et al., Nat Genet 2018; Calcinotto et al., Nature 2018; Revandkar et al., Nat Commun 2016; Kalathur et al., Nat Commun 2015; Toso et al., Cell Rep, 2014; Di Mitri et al., Nature, 2014).

The successful candidate will be part of an ongoing effort to elucidate the role of **cellular senescence** and the **microbiome** in **cancer** and to identify and target novel regulators of **immune cells'** recruitment and function. The recruited postdoc will use different approaches (FACs analysis, RNAseq, proteomics, metabolomics, drug screenings) and generate novel mouse models to understand if and how senescent cells, immune cells, and bacteria and fungi control prostate tumor development.

We are looking for a highly motivated individual with outstanding basic or cancer immunology, cancer biology, or microbiology training to join an established, multicultural group of more than 20 talented scientists. Experience with in vivo cancer models is required, and bioinformatics knowledge would be considered a plus. We require at least one major first-author original research publication, the ability to drive discovery by working independently, interacting with colleagues with different backgrounds, and establishing relevant collaborations.

The IOR, affiliated with the Università della Svizzera italiana (USI), is located in a brand-new high-tech research building that hosts more than 20 different research groups and has state-of-the-art labs and facilities. Together with the Institute for Research in Biomedicine (IRB), the IOR is a member of Bios+, a recently established non-profit association aiming to promote, support, and coordinate its members' scientific research and teaching activities (www.biosplus.ch). IOR offers a multicultural environment and daily occasions of interaction with world leaders in the fields of cancer, basic immunology, and cancer immunology, a thriving environment, 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 <https://ior.usi.ch/education/phd-program>).

Prof. Alimonti fosters the **professional growth** of postdoctoral associates: out of eight past fellows, seven secured independent PI positions in Switzerland and abroad.

Prof. Alimonti is also an ETH professor, which allows the lab members to take advantage of all the ETH facilities and the vibrant, collaborative environment of ETH.

The position is fully funded by an SNSF Advanced grant. Salary will be competitive and commensurate with the candidate's experience.

Initial appointment: 1year - 100%.

Please submit your application in a single PDF-File including the following documents at humanresources@ior.usi.ch (reference in the email object: AA_PostDoc2023):

- **CV**
- **Motivation Letter**
- **2 Reference Letters (or contact details of referees)**

For scientific and position-related questions please contact Prof. Andrea Alimonti (andrea.alimonti@ior.usi.ch)

For administrative questions, please contact humanresources@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 September 30th, 2023

Starting date November 1st, 2023

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



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