Postdoctoral fellow and PhD Student position
Start date September 2019

The newly born group directed by Dr. Arianna Calcinotto at the IOR - Institute of Oncology Research in Bellinzona, Switzerland (http://www.ior.usi.ch) is seeking a Postdoctoral fellow and a PhD Student.

The Calcinotto Lab will start in July 2019 as part of the international Institute of Oncology Research IOR affiliated to USI - Università della Svizzera Italiana and part of a large and vibrant immunology community in the sunny part of Switzerland.

The interests of the Lab are focused on a different way of conceiving immunotherapy, blocking factors produced by immune cells that act as nourishment/triggers for tumor growth, progression and as causes of therapy resistance in hormonal-driven tumor such as breast cancer.

**PostDoctoral position**
- Ph.D. or M.D./Ph.D. (already obtained or soon to be)
- At least one first author publication in a relevant journal
- A highly motivated and ambitious person with a strong interest in research
- Strong background in basic and/or cancer immunology
- Experience with multi-parameter flow cytometry, *in vitro* assays with primary immune cells and use of mouse models
- Candidates with a background in humanized mouse models are also encouraged to apply

**Ph.D. student position**
- A highly motivated and enthusiastic person with a strong interest in cancer immunology
- At least one year of previous experience in the lab is highly desirable

The posts are funded by a 3-year research programme. Salary is highly competitive.

Applicants should submit curriculum vitae, cover letter and contact info for 2 references to jobs@ior.usi.ch with reference AC_PostDoc2019 or AC_PhDstudent2019.
More information on Dr. Calcinotto https://www.ncbi.nlm.nih.gov/pubmed/?term=calcinotto+a

- IL-23 secreted by myeloid cells drives castration-resistant prostate cancer. 

- Microbiota-driven interleukin-17-producing cells and eosinophils synergize to accelerate multiple myeloma progression.

- Modifications of the mouse bone marrow microenvironment favor angiogenesis and correlate with disease progression from asymptomatic to symptomatic multiple myeloma.
  **Calcinotto A**, et al, Oncoimmunology. 2015

- Modulation of microenvironment acidity reverses anergy in human and murine tumor-infiltrating T lymphocytes.

- Targeting TNF-α to neoangiogenic vessels enhances lymphocyte infiltration in tumors and increases the therapeutic potential of immunotherapy.