



Ente Ospedaliero Cantonale



Università
della
Svizzera
italiana

Post-doctoral position in tumor immunology

A **postdoctoral position** is available in the laboratory of Dr. Giandomenica Iezzi, within the Department of Surgery, Ente Ospedaliero Cantonale (EOC) and Università Svizzera italiana (USI), Lugano, Switzerland, led by Prof. Pietro Majno-Hurst.

Our group is interested in understanding dynamics of tumor-immune system interaction in human gastrointestinal cancers and their modulation by gut microbiota (Cremonesi et al, *Gut* 2018; 67:1984; Governa et al, *Clin Cancer Res* 2017, 23:3847, Amicarella et al, *Gut* 2017, 66:692).

Your task

The candidate will take a leadership role in projects focused on mechanisms regulating immune cell infiltration and function in gastrointestinal cancers, mainly colorectal cancer.

S/he will design, assist, and perform *ex vivo* and *in vitro* studies using human samples and aimed at exploring underlying mechanisms.

Your profile

PhD in immunology is required. A strong background in mucosal immunology and/or tumor immunology is preferred.

Required skills:

- Significant experience in cell culture techniques and in cell-based assays (experience with bacterial cultures is a plus);
- Significant experience in multi-parameter flow cytometry,
- Experience in basic molecular biology techniques and gene expression analysis (ability to analyze large data sets is desirable)
- Outstanding analytical and organizational abilities
- Excellent verbal and written communication skills in English

The candidate is expected to work independently and to collaborate with other lab members in a team-oriented work environment.

We offer

A three-year minimum position, with a competitive salary, within a stimulating, translational, and interdisciplinary research environment, in close interaction with basic immunologists, clinicians and pathologists.

The lab will be located within the Institute of Research in Biomedicine (IRB) in Bellinzona, with access to state-of-the-art technologies and core facilities.

Applications should be submitted per email to: giandomenica.iezzi@eoc.ch

Please include a cover letter and a CV with details of 2 referees.