
Technician position Start date Fall 2020

The Functional Cancer Genomics group directed by Prof. J.P. Theurillat at the **Institute of Oncology Research** in Bellinzona, Switzerland is seeking a Technician.

The Functional Cancer Genomics group directed by Prof. J.P. Theurillat at the **Institute of Oncology Research** in Bellinzona, Switzerland (<http://www.ior.iosi.ch>) is seeking a **part- or full-time technician** in cancer research.

The successful candidate will work as part of an international team that is dedicated to understanding how new driver alterations culled from cancer genome characterization studies promote tumorigenesis, and how gathered insights can be exploited to develop precision medicines. The position offers excellent scientific opportunities in a highly stimulating and interdisciplinary environment involving close interactions between medical and basic scientists. Investigations range from projects related to:

- **Patient-derived xenograft (PDX) mouse models** to study the biology of prostate cancer
- Determining anti-tumor activity of novel drug-like compounds in vivo

Candidate requirements

- **Working experience with mouse models** (tumor xenograft models or genetically-engineered mice): breeding setup and grafting of tumors, drug application, small surgery (castration), tissue preservation
- Working experience in cell culture models and basic molecular biology desirable
- MSc in biology

The position is located at the Institute of Oncology Research, a leading institution in basic and translational cancer research in Southern Switzerland with state-of-the-art core facilities and competitive salaries. The highly collaborative lab has ongoing projects with groups at Harvard, MIT and ETHZ, among others.

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Applicants should submit curriculum vitae, cover letter and contact info for 2 references to jean-philippe.theurillat@ior.usi.ch with reference **JPT_Technician2020**.

For additional inquiry regarding this job please contact Prof. Jean-Philippe Theurillat via email: jean-philippe.theurillat@ior.usi.ch.

Selected recent publications:

- Janouskova H, et al. Opposing effects of cancer type-specific SPOP mutations on BET protein degradation and sensitivity to BET inhibitors. *Nat Med* 2017. PMID: [28805821](#)
- Groner A, et al. TRIM24 is an oncogenic transcriptional activator in prostate cancer. *Cancer Cell* 2016 PMID: 27238081
- Theurillat JP, et al. Ubiquitylome analysis identifies dysregulation of effector substrates in SPOP-mutant prostate cancer. *Science* 2014 PMID: 25278611
- Whittaker SR, et al. A genome-scale RNA interference screen implicates NF1 loss in resistance to RAF inhibition. *Cancer Discov* 2013 PMID: 23288408
- Barbieri CE1, et al. Exome sequencing identifies recurrent SPOP, FOXA1 and MED12 mutations in prostate cancer. *Nat Genet* 2012 PMID: 22610119
- Theurillat JP, et al. URI is an oncogene amplified in ovarian cancer cells and is required for their survival. *Cancer Cell* 2011 PMID: 21397856