
Post-doc position – Molecular Immunology Lab (Dr. Silvia Monticelli)

A postdoctoral position is immediately available in the group of **Dr. Silvia Monticelli** at the **Institute for Research in Biomedicine (IRB)** in Bellinzona, Switzerland (www.irb.usi.ch/molecular-immunology), to join projects aimed at **understanding mechanisms of regulation of gene expression in immune-mediated processes**.

Description

The research topic concerns the study of transcriptional and post-transcriptional regulation of gene expression in cells of the immune system. The general goal is to extend our knowledge of the mechanisms that regulate immune cell differentiation and functions and to disclose networks of interaction between epigenetic modifications, transcription factors, microRNAs and their targets. This project offers the opportunity to learn a wide range of techniques in cellular immunology and molecular biology, as well as to develop independent thinking. The environment at IRB also favors the exchange of knowledge and ideas through journal clubs, seminars and talks. Access to state-of-the-art research facilities will also be provided.

Selected lab publications

- Džafa et al. Immunological Reviews. **2021**; In press (Review)
- Bianchi N et al. Frontiers in Immunology. **2020**; 11: 566781
- Emming S et al. Nature Immunology. **2020**; 21:388-399
- Monticelli S et al. Nature Reviews Immunology. **2017**; 17:595-607 (Review)
- Leoni C et al. Proc. Natl. Acad. Sci. USA **2017**; 114:E1490-E1499
- Montagner S et al. Cell Reports **2016**; 15:1566-1579
- Mele F et al. Nature Communications **2015**; 6:6431

Requirements

The successful candidate has recently obtained a PhD degree in a field related to immunology and is fluent in spoken and written English. Proven ability to successfully bring projects to completion is mandatory and shown by co-authored publications. At least basic bioinformatics skills are also required. Previous experience in working with primary immune cells is preferable, but not mandatory. Applicants should be highly motivated and ambitious, highly reliable, flexible and ready to develop independent thinking and learn new skills. At-the-bench supervision of younger students will also be requested. The position is funded initially for 1-2 years, with the possibility of extension, although the candidate is also expected to attract her/his own competitive funding.

Applications

This position is available immediately and a starting date will be discussed individually. Interested candidates should send:

- i) a motivation letter including a statement of research interests
- ii) CV including degree(s) with grades of final examinations (if applicable)

iii) Publication list

iv) Two reference letters

Please send a single pdf file by email to silvia.monticelli@irb.usi.ch

Applications will be evaluated as they are received and until the position is filled.