
PhD student or Post-Doc position in molecular immunology

A PhD student or Post-Doc position is available in the Molecular Immunology lab at the Institute for Research in Biomedicine (IRB) in Bellinzona, Switzerland (www.irb.usi.ch/molecular-immunology), to join projects aimed at understanding the role of RNA-binding proteins in immunity.

Have you recently obtained a Master or PhD degree in a field related to immunology or molecular biology? Are you fluent in spoken and written English? Are you highly motivated and excited about learning new skills and developing independent thinking? Please apply!

The research topic concerns the study of post-transcriptional regulation of gene expression in cells of the immune system, especially related to autoimmunity. The general goal is to extend our knowledge of the mechanisms that regulate immune cell differentiation and functions in health and disease.

With access to state-of-the-art facilities and a vibrant environment that favors the exchange of knowledge and ideas through journal clubs, seminars and talks, you will have the opportunity to address mechanistic questions relevant to immune responses. The lab is funded by the Swiss National Science Foundations (SNSF) and other grants. Salaries are in line with the recommendations of the SNSF, and preferred starting date is early 2024.

Applications will be evaluated as they are received and until the position is filled. Please send a single pdf file by email to silvia.monticelli@irb.usi.ch, including the following:

- a motivation letter including a statement of research interests
- CV including degree(s) with grades of final examinations
- Publication list (for Post-Doc applications) or list of all Bachelor and Master exams with final grades (for PhD student applications)
- Names and email addresses of two referees.

Relevant recent publications:

- Leoni C *et al.* The mRNA methyltransferase Mettl3 modulates cytokine mRNA stability and limits functional responses in mast cells. *Nature Communication* 2023
- Ito-Kureha *et al.* N⁶-adenosine methylation of mRNAs requires Wtap expression and controls T cell receptor signaling and survival. *Nature Immunology* 2022
- Monticelli S. Emerging roles for RNA-binding proteins in T lymphocytes. *Immunology Letters* 2022
- Emming S *et al.* A molecular network regulating the pro-inflammatory phenotype of human memory T lymphocytes. *Nature Immunology* 2020