



2 PhD positions in Infection and Immunity.

The Institute for Research in Biomedicine (<http://www.irb.ch/home>) provides high-level scientific education for undergraduate as well as for graduate students. The PhD program is carried out in collaboration with Swiss and foreign universities. The experimental work is carried out at IRB under the direct supervision of a Group Leader. The program includes seminars, lessons, summer courses and an annual retreat.

The laboratory of Infection and Immunity at the IRB is seeking two highly motivated candidates for a 4-year PhD position funded by the SNSF. The aim of the project is to characterize different aspects of the inflammatory response to viral infections using biochemistry, immunology as well as state-of-the-art intravital imaging technologies. The deadline for the application is the 20th of December 2021.

The successful candidate will hold a master's degree in Biochemistry, Immunology or Cell Biology and be fluent in English. Experience in FACS, cell imaging, will be a plus.

Applicants should send her/his CV (max. 2 pages) and a reference letter to: santiago.gonzalez@irb.usi.ch

References:

1. Di Pilato M. *et al.* Neutrophil Subtypes Shape HIV-specific CD8 T Cell Responses After Vaccinia Virus Infection. *Npg Vaccines*. (2021) 6 (1):52.
2. M. Palomino-Segura, *et al.* Early production of IL-17A by $\gamma\delta$ T cells in the trachea promotes viral clearance during influenza infection. *European Journal Immunology* (2020), 50: 97-109.
3. Latino I. and Gonzalez S.F. Spatio-temporal profile of innate inflammatory cells and mediators during influenza virus infection. *Current Opinion in Physiology*, (2020) 19: 175-186.
4. M. Palomino-Segura, *et al.* Protection against influenza infection requires early recognition by inflammatory dendritic cells through C-type lectin receptor SIGN-R1. *Nat Microbiol* (2019).4:1930-40.