

Post-doctoral position to work on COVID-19

In close collaboration with the virologists and clinicians at the Hospital in Geneva, the Center of Vaccinology is piloting a clinical study aimed at understanding the role of the immune response in the virological and clinical manifestations of COVID-19 in infected patients and their household contacts. A series of immunological read-outs, covering both innate and SARS-cov2-specific immune read-outs will be used to characterize the kinetics of the immune response in order to define correlates of risk of severe diseases or correlates of protection in those without symptoms. The study is currently ongoing and we are urgently looking for a motivated full time

Post-doctoral fellow

to contribute to the study, which will support the development of vaccine and therapeutics.

The position will be based in the Center of Vaccinology led by Prof Claire Anne-Siegrist where Arnaud Didierlaurent has been recently appointed as assistant Professor. The candidate is expected to work closely with clinicians at the hospital and will also benefit from the multicultural and trans-disciplinary environment offered by the faculty of medicine

The postdoctoral fellow will be responsible for the development and implementation of functional antibody assays (FcR binding, innate cell activation..) and the analysis of the transcriptional signature in blood (RNAseq). The fellow will also be involved in the in-depth characterization of SARS-Cov2 -specific T and B cell response (including single cell RNAseq analysis). The candidate is expected to work closely with the bio-informatician in the laboratory on data analysis as well as on the integration of the immunological data with the clinical and virological parameters measured in the study. The University of Geneva offers access to cutting-edge technical platforms, including flow cytometry and genomics.

Requested profile

Applicants should hold a PhD in immunology or related field (e.g. innate immunity, vaccinology) and should have a solid research background in human immunology. Technical expertise with flow cytometry (e.g. setting up of complex marker panels), primary human cell culture and immune monitoring is expected. Additional experience in system biology approaches, including multidimensional data integration, would be an advantage.

Starting date: As soon as possible, the targeted date being June 1st, 2020.

Contact: For any further information, please contact Arnaud.Didierlaurent@unige.ch.

Further information

Institution: University of Geneva, faculty of medicine

Section / Division: Section of fundamental medicine

Position: Post-doctoral employee, starting salary from CHF 81'347 to CHF 92'832 depending on experience.

Place of work: CMU (Centre médical universitaire) – Rue Michel-Servet 1, 1206 Geneva, Switzerland- Center of Vaccinology-Laboratory of Pathology and Immunology | PATIM

The position is funded for a period of 3 years (i.e. validated through 3 annual consecutive contracts).