

Special Issue

The Adaptive Immunity in COVID-19

Message from the Guest Editors

In this Collection, we will consider the latest research on the immunology of SARS-CoV-2 and the associated disease COVID-19, in order to deeply understand the difference between protective and immunopathological B and T cell responses in patients with COVID-19, as well as in recovered or vaccinated individuals. In this context, this Collection will discuss the kinetics of immunological memory against SARS-CoV-2, its heterogeneity, and capacity to provide, or not, durable immunity against new emerging variants.

The scope of this Collection is to provide insight into: (i) the different facets of immunopathology supporting the phenomena associated with COVID-19; (ii) the immunoregulatory mechanisms addressed to control excessive inflammatory responses without excessively limiting the anti-viral immune responses; (iii) the differences in adaptive immune responses between infected patients and vaccinated individuals, deciphering both immunopathology and protection signatures. This research will provide useful information to set up new therapeutic strategies and to develop new vaccines that prevent viral immune escape and the selection of new variants.

Guest Editors

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