Special Issue

COVID-19/SARS-CoV-2: Infection, Vaccination and Immune Response

Message from the Guest Editor

Multiple vaccines have been developed which effectively slowed the COVID-19 pandemic, which is encouraging; however, emerging variants have compromised the efficacy of available vaccines and made it necessary to develop new vaccines. Current research has, therefore, focused on the development of both new variant-specific and pan-coronaviral vaccines. Apart from vaccines, the efficacy of therapeutic antibodies has also been influenced in the face of evolving variants, which requires the development of variant-resistant broadly neutralizing antibodies and other therapeutic agents. Immunity acquired through vaccination or infection naturally weakens with time, which further increases the risk of infections or re-infections. Although much research has been conducted in a relatively short span of time, a clear understanding of the detailed immune response is still needed. For this Special Issue, we invite contributions that focus on the advancement of our understanding of SARS-CoV-2 infections, the immunological responses, and new vaccine strategies. Original research articles and reviews are welcome.

Guest Editor

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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