Special Issue

The Emergence and Escape of SARS-CoV-2 Variants: Molecular Perspectives

Message from the Guest Editor

In late 2020, SARS-CoV-2 began to evolve, as characterized by the rapid emergence of many viral variants that has been associated with the increased transmissibility and immune escape. In the fight to bring an end to the pandemic, this Special Issue aims to comprehend the current and future mutational landscape of SARS-CoV-2 and its impact on the increased transmission of the emerging variants and potential immune escape. Additionally, this issue invites studies that delineate strategies that could help toward the diagnosis of mutated variants and therapeutics of COVID-19. Studies that computationally/empirically address molecular aspects of de-escalated and emerging SARS-CoV-2 variants with respect to the immune response are highly encouraged for submission. Keywords

- SARS-CoV-2
- variants of concern
- immune escape
- COVID-19
- monoclonal antibodies therapy
- protein-protein interaction
- therapeutics
- vaccine
- antiviral drugs

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2023)

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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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