



New Trends in SARS-CoV-2 Variants and Vaccines

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Message from the Guest Editor

COVID-19 vaccines have been proven to be a game-changing tool in preventing severe cases of COVID-19. To date, four major vaccines have received approval from several countries. These vaccines are mainly based on two different forms of technology: (1) messenger ribonucleic acid (mRNA) vaccines produced by Pfizer-BioT162b2 (BNT162b2) and Moderna (mRNA-1273), and (2) vector-based replication-deficient vaccines based on chimpanzee adenoviruses (ChAdOx1 nCoV-19, AZD1222 by AstraZeneca) and human cells (Ad26.CO2 by Janssen). Interpersonal differences in terms of the short- and long-term immune responses against SARS-CoV-2 infection after vaccination have been reported. The host genetics of the vaccine recipient and COVID-19 strains are central to the evaluation of the long-term sustainability of COVID-19 vaccines. Original research articles and reviews are invited for submission. The research areas of interest include (but are not limited to) host genetic markers, immune response markers, vaccine efficacies and COVID-19 strains, population-based COVID-19 vaccine efficacy studies, and the side-effects of COVID-19 vaccines.

I look forward to receiving your contributions.





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Message from the Editor-in-Chief

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