



viruses



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Strategies for the Discovery of Antivirals against Respiratory RNA Viruses

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Message from the Guest Editor

Emerging and re-emerging respiratory RNA viruses, such as severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and G4 swine influenza virus, have become a great threat to global public health. With the exception of influenza A and B viruses and respiratory syncytial virus (RSV), there are no FDA-approved, virus-specific drugs for the treatment of infections with other human respiratory viruses, such as coronaviruses, rhinoviruses, and parainfluenza viruses.

There is an urgent need for the development of novel antivirals and the identification of drug targets derived from either viral proteins or host factors, by which therapeutic effects could be induced efficiently and sufficiently. This Special Issue focuses on recent progress in antiviral discovery, investigation of the mode-of-action, target validation, and establishment of drug screening methods. We hope that this Special Issue will allow researchers to share scientific insights to help find a therapeutic way to treat human respiratory virus infection-mediated diseases in the ongoing pandemic situation or in order to be prepared for possible upcoming pandemics.



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Special Issue



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Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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