

Special Issue

Viral Pneumonia: Recent Advances and Prospects

Message from the Guest Editor

Viral pneumonia is a major global health concern and a common cause of acute respiratory failure, with high morbidity and mortality. This Special Issue will highlight recent advances in our understanding of viral pneumonia, focusing on the molecular mechanisms behind lung injury, host immune responses, alveolar regeneration, and viral persistence. We welcome original research articles, reviews, and commentaries addressing topics such as innate and adaptive immunity in viral pneumonia, dysregulated inflammation, epithelial and endothelial repair mechanisms, and immune-metabolic interactions. Submissions exploring the long-term consequences of viral infections, including post-viral fibrosis and chronic immune activation, are particularly encouraged. We also invite studies employing advanced technologies such as single-cell omics, organoid models, and spatial profiling to dissect host-virus interactions and tissue remodeling. We hope that this Special Issue will foster interdisciplinary dialog and provide novel insights to guide future diagnostics, therapeutics, and preventive strategies.

Guest Editor

Dr. Gan Zhao

School of Medicine, Xiamen University, Xiamen, China

Deadline for manuscript submissions

31 March 2027



Viruses

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



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Viruses
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
viruses@mdpi.com

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About the Journal

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.

Editor-in-Chief

Dr. Eric O. Freed

HIV Dynamics and Replication Program, Center for Cancer Research,
National Cancer Institute, Frederick, MD 21702-1201, USA

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