

## Special Issue

# Interferon Signaling in Viral Pathogenesis

### Message from the Guest Editor

Recent findings have revealed the dual roles of IFN-I signaling in virus infection and pathogenesis: it plays a critical role to suppress acute virus infection and to set the host immune anti-viral program. During chronic infection, however, persistent IFN-I signaling contributes to virus-associated hyper-inflammation, immune exhaustion, and virus persistence. In this Special Issue, we will focus on the most recent advances in understanding the mechanism of virus–host cell interaction in IFN induction, with a special emphasis on how IFN-I may play both a positive and a negative role during acute and persistent virus infection. We will also focus on new developments on targeting IFN signaling in modulating immunotherapy of virus infection, autoimmune diseases, and cancer.

### Guest Editor

Prof. Dr. Lishan Su

Institute of Human Virology, Departments of Pharmacology and Microbiology and Immunology, University of Maryland School of Medicine, Baltimore, MD 20201, USA

### Deadline for manuscript submissions

closed (30 June 2025)



## Viruses

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

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### 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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