



*viruses*



an Open Access Journal by MDPI

## Cellular Mechanisms Regulating HIV Replication

Guest Editor:

**Prof. Dr. Sergei Nekhai**

Department of Medicine, Howard  
University, Washington, DC, USA

Deadline for manuscript  
submissions:

**30 June 2024**

### Message from the Guest Editor

Dear Colleagues,

Curing and eradicating HIV require a deep insight into viral replication mechanisms. Over the past two decades, significant progress has been made in understanding the complex interaction between HIV-1 and host factors that either facilitate or inhibit viral replication. This Special Issue of *Viruses* will review the latest developments in the HIV-1 field, with a particular focus on host cell factors that participate in various steps of viral replication such as viral entry and capsid nuclear import, as well as uncoating, integration, transcription, viral packaging, and assembly. This collection of comprehensive articles will summarize our current knowledge of the role of host factors in HIV-1 replication, which can help in the future development of novel HIV-1-targeting therapeutics.

Prof. Dr. Sergei Nekhai  
*Guest Editor*



[mdpi.com/si/181459](https://mdpi.com/si/181459)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Eric O. Freed

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

## 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.

## Author Benefits

**Open Access:** free for readers, with **article processing charges (APC)** paid by authors or their institutions.

**High Visibility:** indexed within **Scopus**, **SCIE (Web of Science)**, **PubMed**, **MEDLINE**, **PMC**, **Embase**, **PubAg**, **AGRIS**, and **other databases**.

**Journal Rank:** JCR - Q2 (*Virology*) / CiteScore - Q1 (*Infectious Diseases*)

## Contact Us

---

*Viruses* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/viruses](http://mdpi.com/journal/viruses)  
[viruses@mdpi.com](mailto:viruses@mdpi.com)  
[X@VirusesMDPI](https://twitter.com/VirusesMDPI)