Special Issue

RNA Biology of Viral Infection

Message from the Guest Editor

RNA biology is an essential foundation upon which all of viral infection is built regardless of the genetic composition or architecture of the pathogen. As all viruses confer their genetic information to the host in the form of an RNA intermediary, the interface between the pathogen and the host is extensive as the viral mRNAs must engage with the host machinery for functionalization and gene expression. In addition, RNA viruses must operate within the constraints of the host system to ensure the completion of the viral life cycle through the replication, stabilization, and functionalization of the genomic viral RNAs. Importantly, the consequences of this interdependence are not one-sided as host RNA synthesis and function, and indeed the host transcriptome at large, are impacted by viral infection through direct and indirect means. The focus of this Special Issue is the characterization of the host/pathogen interface as it relates to RNA biology, with a particular emphasis on furthering the understanding of the impacts and consequences of viral infection on viral and host RNAs.

Guest Editor

Dr. Kevin Sokoloski

Department of Microbiology & Immunology, University of Louisville Health Sciences Center, Louisville, KY 40202, USA

Deadline for manuscript submissions

closed (30 June 2023)

Viruses

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/117944

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

mdpi.com/journal/viruses

Viruses

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/viruses

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Virology) / CiteScore - Q1 (Virology/Infectious Diseases)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).