



viruses



an Open Access Journal by MDPI

Viral Infection of Polarized Cells

Guest Editor:

Prof. Dr. Angela Pearson

Centre Armand-Frappier Santé
Biotechnologie, Institut National
de la Recherche Scientifique
(INRS), Laval, QC H7V 1B7,
Canada

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Certain eukaryotic cells are characterized by a pronounced intrinsic polarity to their structure. Polarized epithelial cells, such as those lining much of the respiratory tract and gut, have an apical cell surface that is exposed to the lumen, and a basolateral surface that is in contact with adjacent cells and the underlying basement membrane. Neurons are another type of polarized cell, with axons being structurally and functionally distinct from the neuronal cell body. The interactions of viruses with polarized cells reflect the distinct nature of the polarized surfaces and internal polarized structure of these cells. Deciphering the mechanisms underlying these interactions is important for a comprehensive understanding of how viruses infect their host.

The goal of this Special Issue, which is open to all types of manuscripts (e.g., research articles, methods papers, reviews), is to highlight new discoveries regarding interactions of viruses with polarized cells, including specialized techniques that aid in such studies.



mdpi.com/si/72462

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Eric O. Freed

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

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Viruses* (ISSN 1999-4915). *Viruses* is published in open access format—research articles, reviews and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Viruses* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We would be pleased to welcome you as one of our authors.

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, and other databases.**

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

Contact Us

Viruses Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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