

Special Issue

Viral Infection of Polarized Cells

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.

Guest Editor

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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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Dr. Eric O. Freed

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