Special Issue

Viral Enzymes

Message from the Guest Editors

Depending on their complexity, viruses encode a varying number of enzymes that are fundamental to their unique replication cycles. These viral enzymes play diverse roles, including polynucleotide synthesis (transcription and replication), mRNA maturation, polypeptide processing, cell wall/membrane breakdown, and protein modifications to aid host immune evasion, to name a few. A vast range of scientific methods have been used to discover viral enzymes involved in these and other processes, uncover detailed reaction mechanisms, and develop methods to inhibit their functions. For this Special Issue, we invite submissions in the form of original research articles, methodological advances, or reviews that address any aspect of viral enzymes. The viruses in this Special Issue are not limited to any particular viral order or viral host. The goal of this Issue is to compile an exciting collection of manuscripts showcasing the broad work performed on viral enzymes using techniques from genetic approaches all the way to structural biology.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2021)

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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.

Editor-in-Chief

Dr. Eric O. Freed
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).