

Special Issue

Viruses and Telomeres

Message from the Guest Editors

Viruses and telomeres share fundamental genetic and evolutionary properties. In many ways, the extension of telomeres resembles virus replication, and both share a clear evolutionary origin. It is therefore no surprise that many viruses have pirated components of telomeres and/or telomerase, including the telomeric repeats and telomerase RNA. Beyond that, viruses acquired the ability to modulate telomere maintenance and structure, including induction of telomerase activation or viral integration into host telomeres. In some cases, viruses and telomeres have a conflict of interest, with telomeres working to maintain host genome integrity and viruses seeking to be unleashed from these restraints. In other cases, viruses can take advantage of the telomere heterochromatin to establish latent or persistent infections in long-lived and dividing cells. How these interactions between viruses and host chromosomes are regulated and lead to pathogenesis is the subject of this volume. Prof. Paul M. Lieberman

Guest Editors

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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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