Special Issue

Viruses, MicroRNAs and Host Interactions

Message from the Guest Editor

Viruses have the ability to interact directly or indirectly with host cell microRNAs (miRNAs) or even encode for their own miRNAs. The effects on target mRNA expression can affect pathways that are either pro- or antiviral and help viruses alter their host cells in favour of viral pathogenesis. These interactions ultimately have the potential to impact virus-induced disease progression. For example, miRNAs may upregulate metabolic processes that help provide essential building blocks for viral replication, or may be involved in immune evasion thereby enhancing viral persistence. miRNAs have even been shown to interact directly with viral genomes and protect viral genomic RNA. This Special Issue examines current knowledge and new developments in the study of microRNAs, viruses, and their host interactions.

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.

Editor-in-Chief

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