Special Issue

Flavivirus Replication and Pathogenesis

Message from the Guest Editor

Within the family *Flaviviridae*, the genus *Flavivirus* consists of more than 50 species; in any part of the globe where humans can live, at least one flavivirus species can be found. Pathogenic flaviviruses are primarily transmitted by blood-sucking mosquitoes or ticks. These species include a significant number of emerging and re-emerging arboviruses of global significance, such as Japanese encephalitis, West Nile, Zika, dengue, yellow fever, tick-borne encephalitis, Kyasanur Forest disease, and Omsk haemorrhagic fever viruses. Infections by these pathogens can cause a wide spectrum of severe neurological and non-neurological diseases in humans and/or animals. Although the structure of these viruses and their gene products are relatively well defined thus far, they still pose a significant threat to humans and/or animals, and in most cases, no specific medical interventions are available. We expect this publication opportunity will yield new insights that will contribute directly to the development of new control strategies to prevent or treat infections caused by these clinically important pathogens.

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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