



Flavivirus Replication and Pathogenesis

Guest Editor:

Dr. Young-Min Lee

Department of Animal, Dairy, and
Veterinary Sciences, College of
Agriculture and Applied Sciences,
Utah State University, Logan, UT
84322, USA

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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.





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Dr. Eric O. Freed

Director, HIV Dynamics and
Replication Program, Center for
Cancer Research, National
Cancer Institute, Frederick, MD
21702-1201, USA

Message from the Editor-in-Chief

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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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Viruses Editorial Office
MDPI, St. Alban-Anlage 66
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