

## Special Issue

# Alphaviruses: Interactions between Arboviruses and Mosquitoes

### Message from the Guest Editor

Mosquito-borne *Alphaviruses* induce disease in humans and other animals ranging from mild acute febrile illness to severe disease, including life-long neurological complications. Recent outbreaks of chikungunya virus in the Indian Ocean, parts of Europe, and the Americas, and the potential for emergence of other arboviruses such as Mayaro, makes this group of arboviruses an emerging public health threat. This special issue on *Alphaviruses* aims to provide a collection of research studies focused on interactions between arboviruses and mosquitoes. In particular, the objective is to identify potential mosquito vectors for emerging arboviruses, geographic variation and potential determinants of mosquito vector competency, immune responses in mosquitoes in response to infection, and potential remedial techniques to interrupt the infection cycle in mosquitoes. Identification of weak links between arbovirus replication and mosquito infection may provide an opportunity to inhibit arbovirus proliferation and reduce the risk of disease transmission.

### Guest Editor

Dr. Barry W. Alto

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### Deadline for manuscript submissions

closed (31 May 2020)



## Viruses

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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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### Editor-in-Chief

Dr. Eric O. Freed

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