

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

Florida Medical Entomology Laboratory, University of Florida, Vero Beach, FL, USA

Deadline for manuscript submissions

closed (31 May 2020)



Viruses

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/35783

Viruses
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
viruses@mdpi.com

[mdpi.com/journal/
viruses](https://mdpi.com/journal/viruses)





Viruses

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
viruses](https://mdpi.com/journal/viruses)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Viruses* (ISSN 1999-4915). *Viruses* is published in open access format—research articles, reviews and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Viruses* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Dr. Eric O. Freed

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Virology) / CiteScore - Q1 (Virology/Infectious Diseases)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).