



viruses



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Alphaviruses: Interactions between Arboviruses and Mosquitoes

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Barry W. Alto

Guest Editor



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Special Issue



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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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