

Special Issue

Chikungunya Virus in Viral Immunology and Vaccine Research

Message from the Guest Editors

Chikungunya virus (CHIKV), an arthropod-borne alphavirus transmitted primarily by *Aedes* mosquitoes, has re-emerged in recent decades as a significant public health threat in the world. Despite increasing outbreaks, licensed vaccines and specific antiviral therapy for CHIKV remain limited in terms of availability, highlighting the urgent need for innovative research in viral immunology, pathogenesis, and vaccine development. In recent years, global efforts have intensified to understand the immune mechanisms underlying CHIKV infection and to design effective vaccine strategies that confer cross-lineage protection. Studies on virus–host interactions, innate and adaptive immune responses, and the development of next-generation vaccines, such as mRNA-based platforms, have opened new avenues for controlling CHIKV and related alphaviruses. This Special Issue aims to bring together cutting-edge findings in the fields of CHIKV immunopathology, immune evasion, vaccine platforms, and therapeutic development. We invite the submission of high-quality original research articles, reviews, and perspectives that explore key questions in viral immunology and vaccinology related to CHIKV.

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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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