



Study on the Prevention and Treatment of Arbovirus

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Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editors

Dear Colleagues,

Arboviral diseases are significant burdens on the health of individuals and economies throughout the tropics and subtropics. Vector-borne pathogens are transmitted to humans via the bite of an infected arthropod and then back to the mosquito during blood feeding. The epidemic has grown and become more frequent in both temperate and tropical regions. Vector control is still the primary control strategy for most of these diseases, and vaccines are available only for a handful of those, rendering susceptible populations at risk. With this Special Issue, we aim to discuss emerging concepts in vector-host interaction influencing pathogen emergence and other concepts in vector biology, pathogen transmission, and molecular interactions leading to pathogen transmission success. We also intend to discuss the influence of arthropod salivary proteins in modifying immune responses in the vertebrate host or in aiding/preventing pathogen replication, all in an effort to propose potential control strategies, including new therapeutic candidates such as vaccines and drug alternatives.

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Message from the Editor-in-Chief

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