Special Issue

Vector Born and Zoonotic Disease Pathogenesis and Immunopathogenesis

Message from the Guest Editor

Arboviruses are diseases caused by a group of viruses that include dengue, zika, chikungunya, and yellow fever. The arbovirus classification encompasses all those transmitted by arthropods, i.e., insects and arachnids (such as spiders and ticks). There are 545 arbovirus species, 150 of which cause disease in humans. Arbovirus infections may develop with symptoms consisting of fever, skin rash, jaundice, encephalitis, or haemorrhagic fever. The pathogenic mechanisms of infection by major arboviruses are accompanied by an immune response against the virus that can, secondarily, compromise various organs of the host, causing damage to tissues, such as liver, kidney, brain, lung, and blood vessel.

Guest Editor

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Deadline for manuscript submissions

closed (15 October 2021)

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/36572

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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