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Emerging and Re-emerging Arboviruses

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Message from the Guest Editor

The emergence and re-emergence of arboviruses is of great importance to public health, resulting in numerous outbreaks worldwide. More recently, the Zika and Chikungunya viruses have caused major outbreaks, in addition to an increasing trend in dengue incidence throughout the tropics and subtropics. Other arboviruses, such as Mayaro, yellow fever, West Nile, Usutu, Japanese encephalitis, bluetongue, and Rift Valley fever viruses, cause substantial morbidity and mortality in humans, domestic animals, or wildlife across the globe. The viruses are acquired by a vector from an infected host during blood meals and then propagate in the tissues of the vector. This arthropod then becomes a virus reservoir and is able to transmit the virus to a new vertebrate host. This Special Issue covers a wide range of topics focusing on arbovirus infection and aims to fill the gaps in our current understanding of host factors that regulate viral infection, arbovirus–host interactions, vector competence, and host genetic factors.

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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.

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