



Pathogenesis, Epidemiology, Host Response and Control of Lyme Disease and Other Tick-Borne Diseases

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Message from the Guest Editors

In the mid-1970s, a geographic clustering of an unusual rheumatoid arthritis-like condition, involving mostly children and young adults, occurred in northeastern Connecticut. This condition proved to be a newly discovered deer-tick-transmitted infection named Lyme disease and was caused by a previously unknown bacterium, *Borrelia burgdorferi*. Other diseases transmitted by the deer tick include babesiosis, ehrlichiosis, anaplasmosis, infections caused by Powassan virus, deer tick virus, *Borrelia miyamotoi*, and *B. mayonii*. There are numerous other tick-borne infections transmitted by other tick species, which include Rocky Mountain spotted fever in the USA and tick-borne encephalitis virus in Eurasia.

This Special Issue is open to all researchers involved in research on tick-borne pathogens and the diseases they cause; original research articles and reviews are welcome, mainly in the areas of epidemiology, pathogenesis, prevention and vaccine development.





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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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