

Special Issue

The Twists and Turns of Pathogenic Spirochetes: Novel Insights for Prevention, Diagnosis and Treatment 2.0

Message from the Guest Editor

I invite colleagues investigating any of the pathogenic spirochetes within the areas of their ecology, genetics, genomics, immunology, detection, public health, and vaccine development to submit their manuscripts to this Special Issue in the form of original research and review articles. Spirochetes are an intriguing group of bacteria. Many members of this group are known to be pathogens causing diseases worldwide such as Lyme disease, relapsing fever, syphilis, brachyspiral dysentery, periodontal diseases and leptospirosis. Besides being unique among bacteria in their motility, they also depend on a host of outer surface proteins for the evasion of the innate and adaptive immune response within the host. Finally, most of them also depend on their hosts and/or vectors to perpetuate themselves in Nature. The subject of the identification and description of the adaptations required for pathogenic spirochetes to be able to enter, disseminate, persist, and infect is still very new, interesting, and challenging. An increased understanding in this field is fundamental to the discovery and implementation of strategies for better diagnosis, treatment, and prevention.

Guest Editor

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About the Journal

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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