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New Directions in HTLV-1 Research

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Message from the Guest Editors

This volume seeks to address fundamental questions in HTLV-1 pathogenesis that remain unresolved even 50 years after its initial discovery. Among the many outstanding questions, most intriguingly is how infection can, with a single, relatively simple virus, lead to such dramatically different outcomes in infected individuals? What are molecular aspects of HTLV-1 infection that changes their properties and functions of infected cells, and how do these effects contribute to diseases? What are the characteristics of host immune response to HTLV infection and how do these affect viral dynamics and disease pathogenesis? Are there animal models that can help to elucidate these complex pathogenic pathways? How have rapidly evolving technologies, such as multi-omic approaches, contributed to our understanding of HTLV-1-associated diseases? Are there potential markers to identify infected persons at risk for the different disease phenotypes? What are the newest treatment opportunities and can these affect not only symptoms and disease progression, but also the quality of life for infected people in different societies around the globe?



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Special Issue



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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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