



an Open Access Journal by MDPI

## New Directions in HTLV-1 Research

Guest Editors:

### **Dr. Arnold B. Rabson**

Child Health Institute of New Jersey and Departments of Pharmacology, Pediatrics and Pathology and Laboratory Medicine, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ 08901, USA

### **Dr. Steven Jacobson**

Viral Immunology Section, Neuroimmunology Branch, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD 20892, USA

Deadline for manuscript submissions:

**30 June 2024**

### **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?



[mdpi.com/si/121140](https://mdpi.com/si/121140)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Lawrence S. Young**

Warwick Medical School,  
University of Warwick, Coventry  
CV4 7AL, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*General Immunology and Microbiology*)

## Contact Us

---

Pathogens Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/pathogens](http://mdpi.com/journal/pathogens)  
[pathogens@mdpi.com](mailto:pathogens@mdpi.com)  
[X@Pathogens\\_MDPI](https://twitter.com/Pathogens_MDPI)