

Special Issue

Human T-cell Leukemia Virus Type 1 (HTLV-1)

Message from the Guest Editors

Human T-cell leukemia virus type 1 (HTLV-1) as the only oncogenic human retrovirus, is the infectious cause of several different diseases, including an aggressive CD4+ T-cell malignancy called adult T-cell leukemia/lymphoma (ATL) and a progressive neurodegenerative disease known as HTLV-1-associated myelopathy/tropical spastic paraparesis (HAM/TSP). Disease progression occurs after a prolonged clinical latency period in a subset of infected individuals and there is currently no approved vaccine or long-term effective treatment for HTLV-1 diseases. In infected individuals, HTLV-1 is maintained as a persistent viral infection through clonal expansion of infected T-cell clones. Several key viral factors (Tax, Hbz) have been shown to promote transformation and maintain the proliferative advantage of infected cells. Despite decades of research, a complete understanding of viral transformation and pathogenesis remains understudied and not well understood. This Special Issue invites basic research manuscripts and reviews focused on HTLV-1 disease development, disease progression, pathogenesis, cellular transformation, and immune evasion/regulation.

Guest Editors

Dr. Amanda Panfil

College of Veterinary Medicine, The Ohio State University, Columbus, OH, USA

Prof. Dr. Patrick L. Green

1. Center for Retrovirus Research, The Ohio State University, Columbus, OH, USA

2. Department of Veterinary Biosciences, The Ohio State University, Columbus, OH, USA

Deadline for manuscript submissions

closed (31 March 2023)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/116694

Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

[mdpi.com/journal/
pathogens](https://mdpi.com/journal/pathogens)





Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



[mdpi.com/journal/
pathogens](https://mdpi.com/journal/pathogens)



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

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)