

Special Issue

Viruses and the Nervous System in the 21st Century: Advances and Challenges

Message from the Guest Editor

Among emerging viruses, at least 50% are associated with severe neurological clinical symptoms. The COVID-19 pandemic highlights the association between respiratory viruses and neurological symptoms, and moreover, our poor understanding on how peripheral responses to virus infections affect central nervous system (CNS) function. Viruses can affect the function of the nervous system directly through infection or by indirect mechanisms, inducing a broad range of acute and long-term sequelae. The recent, remarkable discovery of the brain's glymphatic system has reshaped our understanding of the CNS, challenging the concept of its "immune privilege" nature. Moving forward, the prevention and effective treatment of viral infections and their associated neurological disorders is complex, and requires the crosstalk between diverse disciplines including neurovirology, neuroimmunology, neuroscience, ecology, epidemiology, and emerging "omics" approaches. We look forward to your contribution.

Guest Editor

Dr. Sonia Navas-Martin

Department of Microbiology and Immunology, Center for Molecular Virology & Translational Neuroscience, Institute for Molecular Medicine & Infectious Disease, Drexel University College of Medicine, Philadelphia, PA 19102, USA

Deadline for manuscript submissions

closed (15 November 2023)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/150117

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)