

Special Issue

Viral Pathogenesis and Immunity

Message from the Guest Editor

The aim of this Special Issue to focus on virus–host interactions and pathogenesis, in particular with regard to Zika virus and the coronavirus SARS-CoV-2. New syndromes associated with ZIKV infection have begun to emerge, including birth defects, sexual transmission, Guillain Barre syndrome, and genital persistence, while studies in mice have established mouse models of ZIKV sexual transmission, vaginal persistence, and infection of adult neuronal stem cells. As for coronavirus, human CoVs have been found to be the cause of up to 15% of all respiratory infections, including SARS-CoV infection, and studies in the field have defined multiple viral factors associated with SARS virulence and identified promising vaccine candidates against SARS-CoV. SARS-CoV-2, as we all know, causes coronavirus disease 2019 (COVID-19), an infectious respiratory disease which has caused thousands of deaths and overwhelmed public health systems worldwide. We look forward to your submissions on the topic of virus–host interactions and viral pathogenesis and immunity.

Guest Editor

Dr. Jose Angel Regla Nava

1. Department of Microbiology and Pathology, University Center for Health Science (CUCS), University of Guadalajara, Guadalajara 44340, Mexico

2. Center for Infectious Disease and Vaccine Research, La Jolla Institute for Immunology, La Jolla, CA 92037, USA

Deadline for manuscript submissions

closed (15 October 2022)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/58269

Pathogens

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 6.4
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 - Q2 (General Immunology and Microbiology)