

Special Issue

Genomics and Systems Biology Perspectives in Bacterial Pathogenesis and Antimicrobial Resistance

Message from the Guest Editors

Given the increasing prevalence of antimicrobial resistance, bacterial infectious disease remains a severe threat to human health. Combat against bacterial infectious disease requires extensive knowledge of bacterial pathogenicity and antimicrobial resistance. The last decade has witnessed advances in genome sequencing, accompanied by the development of the related fields of genomics and systems biology, which has greatly facilitated bacterial research. This Special Issue encourages the submission of original research, perspectives, and (mini)reviews that focus on the exploration of the mechanisms of bacterial pathogenesis and antimicrobial resistance at the whole genome level. Topics related to genome-based pathogen surveillance and epidemiological studies are also welcome.

Guest Editors

Prof. Dr. Cheng-Hsun Chiu

Chang Gung Memorial Hospital, Chang Gung University College of Medicine, Taoyuan, Taiwan

Dr. Ye Feng

Institute of Translational Medicine, School of Medicine, Zhejiang University, Hangzhou, China

Deadline for manuscript submissions

closed (31 August 2022)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/72193

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 and Biomedical Sciences, College of
Veterinary Medicine, University of Minnesota, Saint Paul, MN 55108,
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)