

Special Issue

Bioinformatics, Machine Learning, and Omics Analysis in Pathogen Research

Message from the Guest Editors

This Special Issue aims to collect original research articles, reviews, and short communications focused on the integration of computational approaches with microbial genomics and clinical microbiology. We welcome studies involving whole-genome sequencing (WGS), genome-wide association studies (GWAS), phylogenomics, metagenomics, and multi-omics analyses of bacterial, viral, and fungal pathogens, as well as submissions applying machine learning and artificial intelligence to diagnostic and clinical microbiology data.

Guest Editors

Dr. Valeria Fox

Bambino Gesù Children's Hospital, Rome, Italy

Dr. Nick Heng

Department of Oral Sciences, Faculty of Dentistry, University of Otago, Dunedin, New Zealand

Deadline for manuscript submissions

30 March 2027



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.7
Indexed in PubMed



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

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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. Moriya Tsuji

School of Engineering Medicine, Texas A&M University, 2121 West
Holcombe Blvd., Suite 1007, Houston, TX 77030, USA

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