

## Special Issue

# Computational Approaches in Mechanisms of Pathogenesis

### Message from the Guest Editor

Computational biology approaches are becoming popular and are at the forefront of theoretical and experimental biology. They provide a novel way of looking at complex biological problems and provide unique insights that are often unobtainable using other approaches; computational approaches have become an integral part of a biologist's toolkit in framing new questions, formulating rational experimental designs and aiding the analysis of experimental results. Thus, the development of these tools has influenced and radically evolved all biological sciences. In this special edition of *Pathogens*, we focus on computational approaches that can lead to obtaining novel insights into pathogenic mechanisms. I would like to invite colleagues investigating mechanisms of pathogenesis using in silico approaches alone or in combination with experimental findings to submit their manuscripts to this Special Issue in the form of original research and reviews.

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### Guest Editor

Dr. Shaneen M. Singh

Department of Biology, Brooklyn College, Brooklyn, NY 11210, USA

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### Deadline for manuscript submissions

closed (10 October 2025)



## Pathogens

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

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### 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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