



## Biology of Mycobacterial Pathogens

Guest Editors:

**Prof. Luis Quadri**

Biology and Biochemistry PhD  
Programs, Biology Department,  
Brooklyn College and the  
Graduate Center, City University  
of New York, New York, NY, USA

**Prof. Dr. Delphi Chatterjee**

MIP, Mycobacteria Research  
Laboratories, Colorado State  
University, Fort Collins, CO, USA

**Prof. Dr. Dean C. Crick**

Cellular and Molecular Biology,  
Colorado State University, Fort  
Collins, CO 80523, USA

Deadline for manuscript  
submissions:

**31 October 2024**

### Message from the Guest Editors

The Mycobacterium genus includes close to 200 species. Among these are obligate pathogens such as Mycobacterium tuberculosis and Mycobacterium leprae, the causative agents of two diseases that have plagued humans for millennia: tuberculosis and leprosy, respectively. The genus also includes ubiquitous environmental species, collectively referred to as nontuberculous mycobacteria. Mycobacterial infections are difficult to control and eradicate. The rise of drug-resistant strains is a global phenomenon of increasing concern and threatens the control of mycobacterial infections. Comprehensive knowledge of the biology of mycobacterial pathogens is needed to illuminate paths to new and more efficacious therapeutics against mycobacterial infections.

I am pleased to invite colleagues investigating the biology of pathogenic mycobacteria to submit a manuscript to this Special Issue in the form of an original research article. Potential topics include studies on gene function, the regulation of gene expression, primary and secondary metabolism, host–pathogen interaction, determinants of virulence, mechanisms of antibiotic resistance, and mechanisms of antibiotic tolerance.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Lawrence S. Young

Warwick Medical School,  
University of Warwick, Coventry  
CV4 7AL, UK

## 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.

## 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, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*General Immunology and Microbiology*)

## Contact Us

Pathogens Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/pathogens](http://mdpi.com/journal/pathogens)  
[pathogens@mdpi.com](mailto:pathogens@mdpi.com)  
[X@Pathogens\\_MDPI](https://twitter.com/Pathogens_MDPI)