

## Special Issue

# The Host-Pathogen Interaction in Cystic Fibrosis

### Message from the Guest Editors

This Special Issue will focus on host–pathogen interactions with regard to respiratory infections in cystic fibrosis (CF). CF lung disease is a complex condition wherein pathogenic microorganisms and defective immune system cooperate in developing a constant cycle of infection and inflammation. Investigating how the CF host immune system interacts with these organisms is crucial to understand the pathogenesis of the pulmonary disease and develop new approaches for its treatment. This Special Issue welcomes manuscripts providing advances in elucidating the microbial complexity present in the airways of individuals with CF and their interaction with the innate and adaptive immune system; proposing targeted therapies to fight infection and to reduce the aberrant inflammatory response that characterizes CF; and presenting the effect of CFTR modulators on microbial infection and the inflammatory process, in light of the recent adoption of these therapeutics that correct and potentiate some classes of mutations of the CFTR.

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### Guest Editors

Dr. Angela Sandri

Dr. Caterina Signoretto

Dr. Laura Veschetti

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### Deadline for manuscript submissions

31 January 2026



## Pathogens

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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. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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