

# Special Issue

## Infectious Disease Transmission and Host Immunology

### Message from the Guest Editor

Understanding pathogen transmission remains crucial for developing new and repurposed vaccines. The host immune response to transmission may provide important insights into viral and bacterial pathogenesis. To prevent future pandemics, there is a greater need to develop strategies to understand pathogen transmission and to develop effective immunotherapeutic interventions. We invite you to submit your original research to a Special Issue of *Microorganisms* entitled “Infectious Disease Transmission and Host Immunology”. This Special Issue will explore pathogen transmission and host immunology with a view to developing new effective vaccines. We encourage submissions on research topics that further our understanding of the interplay between pathogen transmission and host immunology. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: (i) pathogen transmission, (ii) host and mucosal immunology, and (iii) animal and human challenge models. We look forward to receiving your contributions.

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### Guest Editor

Dr. Michele Tomasicchio  
University of Cape Town Lung Institute, Cape Town, South Africa

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### Deadline for manuscript submissions

closed (31 January 2026)



**Microorganisms**

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## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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### Editor-in-Chief

Dr. Nico Jehmlich

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).