

# Special Issue

## Immunity and Viral Immune Evasion Strategies: Recent Insights

### Message from the Guest Editors

The 21st century has seen many serious outbreaks of viral infectious diseases, mainly caused by zoonotic viruses such as coronaviruses, influenza viruses, and arthropod-borne viruses. Emerging and re-emerging viral diseases have become increasingly frequent, often with no timely or effective countermeasures. Because disease severity results from complex virus–host interactions, understanding viral immunopathogenesis is critical to discover biomarkers and pave the way for novel antiviral targets. This Special Issue explores the mechanisms underlying virus–host interactions, covering advances in the profiling of molecular events related to viral replication, immune signalling, cellular immune responses, and interaction networks, analysing various acute or chronic viral infections using in vitro and/or in vivo approaches. Insights into these processes will improve our understanding of viral disease outcomes and help to identify the determinants of severe disease and novel therapeutic viral or host targets.

### Guest Editors

Dr. Carolina Scagnolari

Laboratory of Virology, Department of Molecular Medicine, Istituto Pasteur Italia-Fondazione Cenci Bolognietti, Sapienza University of Rome, 00185 Rome, Italy

Dr. Federica Frasca

Department of Molecular Medicine, Laboratory of Virology, Sapienza University of Rome, Rome, Italy

### Deadline for manuscript submissions

30 September 2025



**Microorganisms**

an Open Access Journal  
by MDPI

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/236629](https://mdpi.com/si/236629)

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

[mdpi.com/journal/  
microorganisms](https://mdpi.com/journal/microorganisms)





## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/journal/  
microorganisms](https://mdpi.com/journal/microorganisms)



## 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.

---

### Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for  
Environmental Research, 04318 Leipzig, Germany

---

### Author Benefits

#### High Visibility:

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 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).