

## Special Issue

# Exploring Phage–Host Interactions: Novel Findings and Perspectives

### Message from the Guest Editor

I am pleased to launch a Special Issue entitled “Exploring Phage–Host Interactions: Novel Findings and Perspectives”. This Special Issue provides a platform for publishing original research papers and reviews exploring the interactions between phages and their bacterial hosts on multiple levels. We eagerly invite studies employing diverse omics methodologies to unravel the details of phage–host interactions, spanning from the microscopic realm of single cells to the grand scale of ecological communities. Embracing both more classical and cutting-edge technologies, we aspire to uncover new frontiers in understanding these interactions at both physical and molecular levels. By including both basic and applied research, we aim to bridge the gap between theory and real-world applications, ensuring practical impact across biotechnology, medicine, and environmental management. We aim to assemble top phage researchers to contribute to this Special Issue and sincerely hope that the provided information will attract your interest and encourage you to provide your contributions to this call.

### Guest Editor

Dr. Luís Melo

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### Deadline for manuscript submissions

20 August 2025



## International Journal of Molecular Sciences

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## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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