

Special Issue

Molecular Advances in Translational Infectious Diseases Research

Message from the Guest Editor

Translational infectious disease research seeks to bridge the gap between molecular pathogenesis and clinical application, thereby enabling the development of targeted diagnostics, innovative antimicrobial strategies, and personalized therapies. This Special Issue welcomes original research and reviews that focus on the molecular mechanisms of host–pathogen interactions, antimicrobial resistance, immune evasion, microbiome dynamics, and biomarker discovery. Special attention will be given to studies that integrate high-throughput technologies (e.g., transcriptomics, proteomics, metabolomics) with clinical insights, fostering a multidisciplinary approach to infectious diseases. Submissions exploring innovative translational models, including organoids, humanized mice, and in vitro 3D cultures, are also highly encouraged.

Guest Editor

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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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