

Special Issue

Vector–Pathogen–Host Interaction, Vaccines and Immunobiologicals

Message from the Guest Editors

The intricate interplay between vectors, pathogens, and hosts shapes the dynamics of infectious diseases, influencing transmission, immune evasion, and disease outcomes. Advances in molecular biology, immunology, and biotechnology have provided novel insights into how pathogens exploit vectors and hosts, as well as how immune responses can be modulated to enhance protection. This Special Issue, Vector–Pathogen–Host Interaction, Vaccines and Immunobiologicals, invites original research and review articles that explore the molecular mechanisms underlying these interactions. We welcome studies on pathogen adaptation, immune system modulation, vaccine development, and immunotherapeutic approaches. Contributions incorporating omics technologies, structural biology, and molecular immunology are particularly encouraged. As the International Journal of Molecular Sciences focuses on molecular research, submissions should emphasize molecular data, providing mechanistic insights into host–pathogen–vector dynamics and innovative therapeutic strategies.

Guest Editors

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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.

Editor-in-Chief

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