

Topical Collection

Latest Review Papers in Molecular Pathology, Diagnostics, and Therapeutics

Message from the Collection Editor

This Topic Project is dedicated to authoritative and comprehensive review articles that showcase the most significant recent developments in the dynamic fields of molecular pathology, diagnostics, and therapeutics.

The scope of this Topic Project encompasses advances in molecular mechanisms underlying human diseases, innovative diagnostic technologies—including genomics, transcriptomics, and proteomics—biomarker discovery, and the development of targeted and personalized therapeutic strategies. We especially welcome reviews that address the integration of multi-omics data, artificial intelligence-driven approaches, and translational research bridging laboratory findings with clinical applications.

Full-length review articles are encouraged to be submitted to provide critical assessments of current knowledge, identify emerging challenges, and discuss future opportunities that will shape the landscape of molecular pathology, diagnostics, and therapeutics. Reviews that foster interdisciplinary collaboration, highlight innovative strategies, or connect fundamental research with real-world clinical impact are particularly welcome.

Collection 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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