

Special Issue

Molecular Insights into Heart Failure: From Bench to Bedside

Message from the Guest Editor

This Special Issue aims to explore the intricate molecular mechanisms that underlie heart failure, bridging the gap between basic research and clinical applications. Key themes include: Molecular Pathways: This issue aims to examine the complex molecular pathways involved in cardiac hypertrophy, calcium homeostasis, and immune activation during heart failure. We want to highlight the roles of key molecular players, such as signaling molecules, transcriptional regulators, and microRNAs; Translational Research: A strong focus is placed on translating molecular insights into clinical applications, aiming to improve the diagnosis, prognosis, and treatment of heart failure through the development of novel therapeutic targets and strategies based on molecular understanding; Clinical Relevance: This issue addresses the clinical implications of molecular findings, discussing how these insights can be used to personalize medicine and improve patient outcomes.

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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