

Special Issue

Breakthroughs in Cardiac Tissue Remodeling: From Mechanisms to Therapeutics

Message from the Guest Editor

Cardiac tissue remodeling plays a pivotal role in the progression of various cardiovascular diseases, including myocardial infarction, heart failure, and cardiomyopathies. Understanding the mechanisms of adverse remodeling and developing strategies to mitigate its effects are critical for improving patient outcomes. Recent research has provided significant insights into the molecular and cellular processes underlying cardiac remodeling, including the roles of inflammation, fibrosis, and neurohormonal activation. Additionally, emerging therapies aim to promote favorable remodeling and restore cardiac function. This Special Issue will highlight advances in several key areas: the molecular and cellular mechanisms driving adverse cardiac remodeling, novel biomarkers for early detection and monitoring, therapeutic interventions targeting remodeling pathways, the impact of cardiotoxicity on cardiac structure and function, and the development of innovative models to study cardiac dysfunction and regeneration. We invite contributions that explore these themes, offering new perspectives on the pathophysiology of cardiac remodeling and potential therapeutic approaches.

Guest Editor

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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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