

Special Issue

Inflammatory Pathways in Heart Failure

Message from the Guest Editor

Heart failure (HF) remains a leading cause of morbidity and mortality worldwide, despite significant advances in pharmacological and device-based therapies. In recent years, researchers have increasingly focused on the role of inflammation in the pathogenesis and progression of HF. Both acute and chronic inflammatory responses contribute to adverse cardiac remodeling, endothelial dysfunction, and myocardial injury, particularly in heart failure with preserved ejection fraction (HFpEF) and post-ischemic cardiomyopathy. Conversely, HF is associated with the stigmata of inflammation, promoting its development into a vicious pathologic circle. This Special Issue aims to compile original research and comprehensive reviews that explore the molecular and cellular mechanisms linking inflammation to heart failure, with a focus on key signaling pathways, immune cell dynamics, and emerging therapeutic targets. By enhancing our understanding of these inflammatory processes, we hope to facilitate the development of novel strategies that improve outcomes in patients affected by this complex syndrome.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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