

Special Issue

Novel Insights into Biomarkers and Molecular Mechanisms in Heart Failure

Message from the Guest Editors

Heart failure (HF) remains a leading cause of morbidity and mortality worldwide, posing a growing public health challenge. While advances in pharmacologic and device therapies have improved outcomes, the underlying molecular mechanisms and dynamic pathophysiology of HF remain incompletely understood. This Special Issue aims to bring together cutting-edge research that deepens our understanding of the biological underpinnings of HF and identifies novel biomarkers that can enhance diagnosis, prognosis, and therapeutic stratification. We invite original research articles, reviews, and translational studies exploring the cellular, genetic, epigenetic, and proteomic mechanisms involved in HF development and progression.

Submissions may include investigations into myocardial remodeling, neurohormonal activation, inflammation, oxidative stress, metabolic dysregulation, and signaling pathways relevant to different HF phenotypes, such as HF with preserved or reduced ejection fraction.

Particular emphasis is placed on identifying and validating circulating biomarkers, imaging markers, and omics-based signatures that can inform individualized patient care and facilitate early intervention.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

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