

Special Issue

Cellular and Molecular Mechanisms in Cardiopathy and Therapeutic Strategies

Message from the Guest Editors

Cardiovascular disease, specifically heart failure, is the leading cause of death globally. Despite current advances in the standard of care, the risk of death and the rehospitalization of HF patients remain unacceptably high. Notably, different forms of cardiopathies, defined as any sort of cardiac disease caused by maladaptive cardiac remodelling, impaired myocardial mechanics, and/or energetics, are often exposed along with the onset of HF symptoms and could act as potential targets to limit HF progression. Current treatments for cardiopathy include lifestyle changes, medications, and surgical or implantable devices, and with the advance in genome engineering, gene correction therapy for cardiomyopathy becomes promising. The primary objective of this Special Issue is to clarify our current understanding of the underlying mechanisms responsible for cardiopathy, preferably at cellular and molecular levels, that leads to HF and to explore the therapeutic strategies across interdisciplinary fields of biochemistry, biology, and engineering. We eagerly anticipate receiving your submissions and look forward to compiling an informative and insightful collection of articles.

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Message from the Editorial Board

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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