Special Issue

Heart Failure: Molecular Mechanisms and Novel Therapeutic Approaches

Message from the Guest Editor

This Special Issue is about current knowledge of and insights into the role of non-coding RNAs in the pathophysiology of heart failure. Heart failure, in particular with a preserved ejection fraction (HFpEF), is the result of a complex interplay between the heart and systemic (metabolic) derangements. In the heart, (coronary) (micro)vasculature, connective tissue structure, electric management, inflammatory milieu and cardiomyocyte functions are all affected. In the circulation supplying the heart, systemic (metabolic) derangements associated with heart failure risk factors, such as diabetes, obesity and hypertension, lead to changes in metabolites, nutrients, (endothelial) cell-shed content and platelet and immune cell functions. Moreover, sex differences seem to play a role in heart failure susceptibility, among which hormonal influences have been the subject of investigations. Non-coding RNAs are now established as therapeutic targets. Still, there is no cure for heart failure. Here, we welcome papers that contribute to a clarification of current knowledge of and insights into the role of non-coding RNAs in the complex playing field characterizing failing heart.

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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