

Special Issue

Heart Failure: From Molecular Pathology to Novel Therapeutic Approach

Message from the Guest Editor

Heart failure is a clinical syndrome caused by several structural and/or functional abnormalities. There is no single pathology underlying the basis of heart failure. Identification of the aetiology of heart failure is mandatory and it determines subsequent treatment. If pathophysiological mechanisms underlying specific respective heart failures are known, it will open new opportunities of appropriate therapies and may result in reducing the mortality of heart failure. Inherited genetic/familial cardiomyopathies are specified forms of heart failure. Finding a molecular basis for the development of heart failure, especially in people with a pathogenic gene variant, in patients with cardiomyopathy will allow better prediction of the disease outcomes and progression. Different forms of regulated cell death are implicated in the pathogenesis of heart failure. Ferroptosis is one of these pathways that contribute to heart failure.

This Special Issue seeks high-quality research articles that serve to highlight the key role of molecular mechanisms in heart failure and extends to therapies used to treat this condition.

Guest Editor

Dr. Barbara Sosnowska-Pasiarska

Department of Oncocardiology, Holy Cross Cancer Centre, 25-734 Kielce, Poland

Deadline for manuscript submissions

closed (20 October 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/189126

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)