

Special Issue

Cellular and Molecular Biology of Cardiac Hypertrophy and Heart Failure: Pathogenesis, Diagnostics and Treatment—2nd Edition

Message from the Guest Editor

This Special Issue will comprise a continuation of our previous Special Issue, titled “Cellular and Molecular Biology of Cardiac Hypertrophy and Heart Failure: Pathogenesis, Diagnostics and Treatment”

(https://www.mdpi.com/journal/ijms/special_issues/HJJZ6ZV053). I am pleased to announce that the

International Journal of Molecular Sciences is devoting a second Special Issue to this subject, entitled “Cellular and Molecular Biology of Cardiac Hypertrophy and Heart Failure: Pathogenesis, Diagnostics and Treatment—2nd Edition”. Manuscripts should be submitted in the form of research papers or review articles related to either basic or clinical research. Topics of interest for this Special Issue include, but are not restricted to, the following:

- Cell signalling processes;
- Energy metabolism;
- Autophagy and mitophagy;
- Apoptosis;
- Ion (dys)regulation;
- Mechanisms behind increased dysrhythmogenesis;
- Adipokines;
- Hormonal and humoral factors;
- Novel therapeutic approaches;
- Natural plant-based therapeutics;
- The gut microbiome.

Guest Editor

Prof. Dr. Morris Karmazyn

Retired, Department of Physiology and Pharmacology, University of Western Ontario, London, ON N6G 2X6, Canada

Deadline for manuscript submissions

30 September 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/235387

*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)