

## Special Issue

# Molecular Mechanisms, Pharmacology, Toxicology Involved in Cardiac Function and Dysfunction

### Message from the Guest Editor

This Special Issue will deal with original experimental studies on current or new or controversial issues in cardiac functions. More specifically, manuscripts are solicited regarding molecular mechanisms (especially due to gene alterations) of systolic or diastolic heart failure or cardiac hypertrophy. The pharmacology of newer drugs and new aspects in the signal transduction of known drugs are of interest. Moreover, manuscripts describing new untoward, i.e., toxic effects, of drugs used in clinical practice would fall also into the scope of this Special Issue. Furthermore, the putative mechanism(s) of arrhythmias are of interest as far as these arrhythmias are secondary to heart failure and not primary arrhythmias. Another topic that may be addressed is the mechanism(s) of heart failure in aging in humans or relevant aging animal models. Experimental studies and up to date reviews of the underlying mechanisms of heart failure are deemed relevant. Finally, an overview and a critical perspective on drugs tested and being tested currently for heart failure would also be of great interest.

---

### Guest Editor

Prof. Dr. Joachim Neumann

Director of the Institute of Pharmacology and Toxicology, Faculty of Medicine, Martin-Luther-University Halle-Wittenberg, 06120 Halle (Saale), Germany

---

### Deadline for manuscript submissions

closed (31 August 2020)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



[mdpi.com/si/25552](https://mdpi.com/si/25552)

*International Journal of  
Molecular Sciences*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



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

[ijms](https://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 (Inorganic Chemistry)