



## Mechanisms of Inflammation in Degenerative Cardiovascular Conditions

Guest Editors:

**Prof. Dr. Guido Iaccarino**

Dipartimento di Scienze  
Biomediche Avanzate, Università  
di Napoli Federico II, Napoli, Italy

**Dr. Daniela Sorriento**

Dipartimento di Scienze  
Biomediche Avanzate, Università  
degli Studi di Napoli Federico II,  
Naples, Italy

Deadline for manuscript  
submissions:

**closed (31 March 2019)**

### Message from the Guest Editors

In the last few decades, multiple lines of evidence have suggested that inflammation is a key player in the development of cardiovascular diseases. The very mechanisms of target organ damage includes inflammatory responses and inflammation cell infiltration. Moreover, targeting mechanisms of inflammation, such as pro-inflammatory cytokines, effectively affect the clinical outcomes of heart diseases, supporting the entangled role of inflammation in cardiovascular events. In this context, the transcription factor NF- $\kappa$ B is emerging as potential therapeutic target. In this field drugs-dependent cardiotoxicity is also included since Doxorubicin increases proinflammatory cytokines levels with a concomitant reduction of anti-inflammatory ones, that could be responsible for the later onset of heart remodeling that leads to doxorubicin-dependent cardiomyopathy.

This Special Issue is a call for publication for all researchers that have paved the area with their findings, but also an opportunity for cross fertilization of the scenario by engaging basic scientists and clinicians to confront their ideas and their views, for the progression of the field.





an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

---

International Journal of Molecular  
Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI