

Special Issue

Molecular Basis of Vascular Remodeling

Message from the Guest Editor

Cardiovascular diseases are the major cause of morbidity and mortality worldwide. A key pathological hallmark of cardiovascular disease is vascular remodeling, i.e., the ability of the arteries to modify their structure in response to pathological situations. The processes underlying vascular remodeling mainly affect the biology of vascular smooth muscle cells (changes in their contractile, migratory, proliferative, and apoptotic capacity), as well as the content of the extracellular matrix and the maintenance of their elastic properties. Although the processes that accompany the development of vascular remodeling are known, the underlying molecular basis is less understood. For that, knowing new mechanisms that participate in this pathological process is fundamental to understand its development from early stages and would allow having new targets for pharmacological action or new diagnostic biomarkers. In this Special Issue of *IJMS*, we want to offer a platform for high-quality publications on new mechanisms underlying vascular remodeling.

Guest Editor

Prof. Dr. Ana Belen Garcia-Redondo

Department of Physiology, Medicine Faculty, University Autónoma of Madrid, 28029 Madrid, Spain

Deadline for manuscript submissions

closed (30 April 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/53784

*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)