

Special Issue

New Insights into Coronary Vascular Pathophysiology: Gateways to Improved Therapies?

Message from the Guest Editor

The past 5 years have seen a substantial acceleration of new understanding of the physiology and pathophysiology of human coronary circulation. It is now clear that microcirculation disorders are far more important than previously supposed and that coronary physiology varies substantially between young and old and between men and women. Neither acute nor chronic myocardial ischaemia reflects exclusively atheromatous large coronary obstruction, and thrombosis within the coronary circulation need not reflect plaque rupture. These new pathophysiological findings all have substantial corollaries at the level of emerging therapeutic options, although in many cases, the clinical incorporation of these options is in its very infancy. The Special Issue will focus primarily on an update of pathophysiological progress in its many aspects, with a subsequent discussion of the changes in therapeutics of coronary disease, which are expected to occur as a consequence of this pathophysiological progress.

Guest Editor

Prof. Dr. John D. Horowitz
Department of Medicine, University of Adelaide, Adelaide 5371,
Australia

Deadline for manuscript submissions

closed (1 November 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/165434

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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