



Redox Regulation of Cardiovascular Metabolism and Inflammation

Guest Editors:

Prof. Dr. Francis J. Miller, Jr.

Department of Internal Medicine,
Duke University, Durham, NC,
USA

Dr. Siobhan M. Craige

Department of Human Nutrition,
Foods, and Exercise, Virginia
Tech University, Blacksburg, VA,
USA

Deadline for manuscript
submissions:

closed (28 February 2021)

Message from the Guest Editors

The goal of this special issue is to assemble a collection of state-of-the-art research and review articles describing:

1. Mechanisms of ROS regulation including timing, location, and sources of obesity (e.g., NADPH oxidases, nitric oxide synthase, lipoxygenases, mitochondria), and inflammation and metabolic syndrome in the context of cardiovascular disease.
2. Pharmacologic and non-pharmacologic strategies of manipulating localized redox-signaling pathways to prevent cardiovascular consequences, including inflammation and dysregulation of cardiovascular metabolism.
3. Redox mechanisms by which diet and/or exercise modify inflammation and the effects of cardiovascular diseases and cardiometabolic syndrome.





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI