



Molecular Pharmacology in Diabetes

Guest Editors:

Dr. Rosa Fernandes

Centre for Innovative Biomedicine and Biotechnology (CIBB), Institute of Pharmacology & Experimental Therapeutics, & Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of Medicine, University of Coimbra, 3000-548 Coimbra, Portugal

Dr. Flávio Reis

Centre for Innovative Biomedicine and Biotechnology (CIBB), Institute of Pharmacology & Experimental Therapeutics, & Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of Medicine, University of Coimbra, 3000-548 Coimbra, Portugal

Deadline for manuscript submissions:

closed (15 April 2023)

Message from the Guest Editors

Diabetes is one of the most significant global public health concerns. Poorly controlled diabetes can have severe repercussions in a wide range of organs and tissues of the body, ranging from vascular complications, including retinopathy, nephropathy, and cardiomyopathy, to other diseases such as cancer or neurodegenerative problems. Despite advances in therapeutic strategies to lower glucose levels, some of the complications of diabetes are neither reversible nor preventable. Understanding the molecular signaling pathways underlying diabetes and related complications helps to identify potential new therapeutic targets for the management of those diseases.

This Special Issue invites important and novel advances made on the identification of key molecules and molecular signaling pathways associated with oxidative stress and inflammation in diabetes and related complications that could open up new therapeutic avenues. In addition, state-of-the-art molecular studies on therapeutical options for those diseases are also welcomed, including pre-clinical studies using relevant cellular and animal models, but excluding pure clinic-related research.





an Open Access Journal by MDPI

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

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.

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)

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