

Special Issue

Signalling Pathways in Metabolic Diseases and Cancers

Message from the Guest Editor

Cellular signaling pathways play a crucial role in cellular communication and adaptation to the everchanging surrounding environment, ultimately governing key fate decisions such as cell death, survival, division, or senescence. Cellular signaling processes are elicited by a variety of extracellular and intracellular inducers, such as growth factors, nutrients, or stress and damage stimuli. Likewise, the transmission of information on activated signaling pathways can rely on a plethora of signaling mediators. Moreover, many of these pathways are connected to form signaling networks to ensure the right timing and termination of cell responses. Notably, the dysregulation of signaling pathways has been implicated in the pathogenesis of several diseases, including cancer, inflammation, and metabolic disorders. We therefore welcome original papers that report novel research findings and results on different aspects of cellular signaling. This Special Issue is supervised by Dr. Bossio and assisted by Dr. Gallo and Dr. Palummo.

Guest Editor

Dr. Sabrina Bossio

Department of Experimental and Clinical Medicine, University "Magna Graecia" Catanzaro, 88100 Catanzaro, Italy

Deadline for manuscript submissions

20 March 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/203398

*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)