

Special Issue

Cellular Signalling Transduction

Message from the Guest Editors

It is well known that physiologically cells need to communicate with those around them and respond appropriately to the stimuli of the microenvironment. Signal transduction is a complex process that involves the passage of information along signaling pathways involving different proteins that undergo, during the process, conformational changes important for their activity. The first event of pathological conditions, such as neoplasia as well as neurological, immunogenic, or cardiac pathologies, is the alteration of this condition that finally determine a qualitatively and quantitatively altered downstream signaling. An understanding of cellular transduction pathways will be helpful to clarify the evolution of a pathological condition and the subtle balance that regulates cellular homeostasis. The Special Issue focuses on recent studies and clinical submissions with biomolecular experiments to have a more complete comprehension of cellular transduction signaling in physiological and pathological conditions, considering all the aspects of this complex puzzle.

Guest Editors

Dr. Chiara Corrado

Department of Biomedicine, Neuroscience and Advanced Diagnostics (Bi.N.D.), Section of Biology and Genetics, University of Palermo, 90133 Palermo, Italy

Dr. Simona Fontana

Department of Biopathology and Medical Biotechnologies, University of Palermo, 90133 Palermo, Italy

Deadline for manuscript submissions

closed (15 August 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/131727

*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)