

Special Issue

Tumor Microenvironment and Its Actors: Are Ion Channels Relevant?

Message from the Guest Editors

Cancer research is opening new perspectives in the field of patients' management, focusing mainly on factors that promote tumor progression. The environment surrounding the tumor mass, consisting of resident cells and extracellular matrix, plays an important role in maintaining a condition conducive to the growth and progression of the disease. This also results in the establishment of resistance to the main therapeutic standards, such as chemotherapy and radiotherapy. Oncology research is making great strides, bringing to light new prognostic and therapeutic biomarkers. Among all, it has been demonstrated that the ion channel family is involved in several type of cancers. For this reason, the goal of this Special Issue is to bring together experts and scientists who work on ion channels to collect information and data regarding their involvement not only in tumor but also in its microenvironment. The ultimate purpose is to identify at molecular level ion channels' contribution in the various cancerous processes, ranging from signaling pathways involved in tumor growth, invasion, angiogenesis, drug resistance, metastasis formation, up to immune escape.

Guest Editors

Dr. Maria Beatrice Morelli

School of Pharmacy, University of Camerino, 62032 Camerino, Italy

Dr. Amantini Consuelo

School of Biosciences and Veterinary Medicine, Biology Division, University of Camerino, via Gentile III da Varano, 62032 Camerino, Italy

Deadline for manuscript submissions

closed (31 March 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/78722

*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 5.6
CiteScore 10.0
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 (Inorganic Chemistry)