

Special Issue

Tumor Microenvironment: Cellular Interaction and Metabolic Adaptations

Message from the Guest Editors

The tumor microenvironment (TME) plays a critical role in cancerogenesis. Different components of the TME (such as cancer cells, cancer-associated fibroblasts, endothelial cells, tumor-infiltrating immune cells, adipocytes, and the extracellular matrix (ECM)) influence the development and progression of cancer, the adaptation of cancer cells and their resistance to anti-cancer therapies. In addition, metabolic factors, such as hypoxia and inflammation, determine the formation of a tumor-supportive microenvironment. The development of anticancer approaches aimed at remodeling the TME is very promising. This Special Issue focuses on the role of the TME in cancer development and progression and on new therapeutic approaches for the treatment of metastatic tumors through TME remodeling, submissions of original research articles or reviews related to the impact of the TME on cancer progression, the metabolic plasticity of cancerous and non-cancerous cells, and therapeutic strategies for remodeling these various aspects in cancer are encouraged.

Guest Editors

Dr. Chiara Focaccetti

Department of Clinical Sciences and Translational Medicine, Università degli Studi di Roma "Tor Vergata", Via Montpellier, 1, 00133 Roma, Italy

Dr. Monica Benvenuto

1. Departmental Faculty of Medicine and Surgery, Saint Camillus International University of Health and Medical Sciences, Via di Sant'Alessandro 8, 00131 Rome, Italy

2. Department of Clinical Sciences and Translational Medicine, Università degli Studi di Roma "Tor Vergata", Via Montpellier, 1, 00133 Rome, Italy

Deadline for manuscript submissions

closed (31 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/132423

*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)