

Special Issue

Cancer Stem Cells: Molecular Mechanisms and Therapeutic Targeting

Message from the Guest Editor

We are pleased to invite you to contribute to this Special Issue of the *International Journal of Molecular Sciences*, “Cancer Stem Cells: Molecular Mechanisms and Therapeutic Targeting”. This Issue aims to highlight recent advances in the molecular and cellular biology of cancer stem cells (CSCs) as well as their clinical relevance in cancer progression and treatment response. Cancer stem cells play a central role in tumor heterogeneity, metastasis, therapy resistance, and disease recurrence. Their dynamic regulation involves complex signaling networks, epigenetic and metabolic reprogramming, and interactions with the tumor microenvironment. A deeper understanding of these mechanisms is essential for translating basic discoveries into effective clinical strategies. We welcome original research articles and reviews addressing molecular pathways, cellular plasticity, CSC-associated biomarkers, and therapeutic approaches targeting CSCs across different cancer types. We hope that this Special Issue will foster integrative insights bridging fundamental biology and clinical oncology. We look forward to your valuable contributions.

Guest Editor

Dr. Pablo Pérez-Moreno

Programa de Comunicación Celular en Cáncer, Instituto de Ciencias e Innovación en Medicina (ICIM), Facultad de Medicina Clínica Alemana, Universidad del Desarrollo, Santiago, Chile

Deadline for manuscript submissions

28 February 2027



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 5.6
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/265823

*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)