

Special Issue

Stem Cells in Human Health and Diseases

Message from the Guest Editor

Since first proposed by the Russian histologist Alexander Maksimov in 1908, stem cells and their potential scientific/medical use have been explored in numerous fields of medicine. These unique cells, with their propensity of self-renewal as well as differentiation capacity, can theoretically replace virtually any injured or diseased organ or tissue, making them the target of extensive research efforts in different medical areas, including cardiovascular diseases, neurology, pulmonology, endocrinology and metabolic disorders, rheumatology, hematology, and oncology. Recent advances in stem-cell-based therapy open up new opportunities for patients suffering from various incurable diseases. This Special Issue will include both research and review articles on molecular mechanisms in stem cell biology and stem-cell-based disease modeling and therapy. We are particularly interested in papers that answer longstanding questions, open new avenues of research, report unexpected findings, or change the way we think about stem cells in medicine. Since *IJMS* is a journal of molecular science, pure clinical studies will not be suitable for publication within this journal.

Guest Editor

Dr. Dana Yehudai-Ofir

1. Department of Hematology and Bone Marrow Transplantation, Rambam Health Care Campus, Haifa, Israel
2. Ruth and Bruce Rappaport Faculty of Medicine, Technion, Haifa, Israel

Deadline for manuscript submissions

closed (20 August 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/194149

*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)