

Special Issue

Mesenchymal Stem Cells and Their Therapeutic Application

Message from the Guest Editor

MSCs can be isolated from many adult tissues, such as bone marrow, adipose tissue, umbilical cords, and dental pulp. MSCs are very promising for regenerating tissue through their differentiation potential (myoblast, epithelial cells, neurons, beta-cells) to decrease inflammatory reactions. They can also be used as anti-cancer therapies and for delivering compounds to targeted organs (nucleic acids, exogenous or endogenous proteins, drugs). MSCs can be injected or transplanted; alternatively, the vesicles produced by the MSCs can be injected. Great efforts are still required to improve the therapeutical properties of MSCs in order to decrease their variability among studies and to improve outcomes.

This Special Issue will accept submissions in the form of original research articles, reviews, and methods from leading scientists and clinicians around the world who are studying and developing MSC-based therapies. Topics of submissions should focus on therapeutic applications of MSCs, including, but not limited to, the following: cell/gene therapy, exosomes and extracellular vesicles, mechanism of action, bioprinting, GM manufacturing, and regulatory guidelines.

Guest Editor

Dr. Joan Oliva

Department of Clinical Research, Emmaus Medical, Inc., Torrance, CA 90503, USA

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/128969

*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*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)