

## Special Issue

# Therapeutic Potential of Mesenchymal Stromal Cells

### Message from the Guest Editors

Mesenchymal stromal cells (MSCs) are a population of multipotent progenitor cells capable of self-renewal and differentiation into mesodermal cell lineages, and therefore have a fundamental role in injury repair and tissue regeneration. The main purpose of this Special Issue is to highlight the current state of knowledge of the molecular mechanisms through which MSCs interact with the environment and orchestrate tissue repair, constituting a valid tool in reconstructive surgery, gynecology, orthopedics and hand surgery as alternative treatment or a bridge between various traditional treatments. Prof. Dr. Carlo Tremolada

### Guest Editors

Prof. Dr. Carlo Tremolada

Department of Stem Cells and Regenerative Medicine, Image Institute, 20122 Milan, Italy

Prof. Dr. Dragan Primorac

1. Center for Personalised Medicine, St Catherine Hospital, 10000 Zagreb, Croatia
2. Eberly College of Science, The Pennsylvania State University, University Park, PA 16802, USA
3. University of Split School of Medicine, 21000 Split, Croatia
4. University of Osijek School of Medicine, 31000 Osijek, Croatia
5. University of Rijeka School of Medicine, 51000 Rijeka, Croatia
6. REGIOMED KLINIKEN, 96450 Coburg, Germany

### Deadline for manuscript submissions

closed (29 November 2024)



## International Journal of Molecular Sciences

an Open Access Journal  
by MDPI

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/205826](https://mdpi.com/si/205826)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)