

## Special Issue

# Molecular Mechanism and Pathophysiology of Pain

### Message from the Guest Editor

This Special Issue, entitled "Molecular Mechanisms and Pathophysiology of Pain," delves into the intricate biological processes governing the perception, transmission, and modulation of pain signals within the nervous system. The aim of this Special Issue is to contribute to the clarification of the interplay of various molecular components, including neurotransmitters, receptors, ion channels, and signaling molecules, within the peripheral nerves, spinal cord, and brain regions involved in pain processing. We warmly welcome submissions, including original papers and reviews, focused on (1) novel mechanisms of pain signaling in the peripheral and central nervous systems; (2) mechanisms of chronic pain development; (3) molecular and epigenetic changes involved in pathological pain; (4) novel pain models; and (5) translational studies with therapeutical approaches

### Guest Editor

Dr. Stanislava Jergová

Miami Project to Cure Paralysis, Miller School of Medicine University of Miami, 1095 NW 14th Terrace, Miami, FL 33136, USA

### Deadline for manuscript submissions

closed (25 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/204555](https://mdpi.com/si/204555)

*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)