

Special Issue

Chronic Pain: Diagnosis, Pathophysiological Mechanisms and Treatment

Message from the Guest Editors

Chronic pain continues to be one of the most common illnesses, often without effective treatment options. The number of conditions, the concomitant involvement of different systems, and the personal characteristics of patients do not allow for standardized diagnostic and treatment procedures. Increases in human lifespan have certainly also increased the number of people in pain, alongside increases in personal, familial, societal, and economical burden. New drugs and treatments are available, but at present, patients too often go from one treatment to another without any possibility to resolve their pain. With this Special Issue, we would like to collect evidence clarifying the present state of the art in chronic pain molecular pathology. Articles about the following are welcomed:

- Sex differences in pain syndromes: clinical and laboratory evidence alongside molecular data;
- Molecular mechanisms underlying age differences in pain syndromes: comparative studies in men and women;
- Molecular diagnostic tools: new systems for old illnesses;
- Molecular-based treatment approaches for pain.

Guest Editors

Prof. Dr. Anna Maria Aloisi

Department of Medicine, Surgery and Neuroscience, University of Siena, 53100 Siena, Italy

Prof. Dr. Thomas Herdegen

Institute of Anatomy and the Institute of Pharmacology, Christian-Albrechts-University Kiel, D-24105 Kiel, Germany

Deadline for manuscript submissions

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/196491

*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)