

Special Issue

New Advances in Osteoarthritis: Molecular Perspective

Message from the Guest Editor

One of the most common joint diseases is osteoarthritis, which occurs primarily in elderly people, but due to obesity, the incidence of osteoarthritis has also increased among young people. Although the causes of osteoarthritis are still largely unclear, thanks to molecular research, it is understood that changes at the molecular level contribute to the disease. Cartilage intermediate layer proteins (CILP) are now recognized as one of the important cartilage structural molecules involved in the development of OA. The identification of new biomarkers, molecular and gene expression processes would be a major step forward in the diagnosis and treatment of osteoarthritis. It is not known which factors trigger the pathogenetic processes, and researchers should pay attention to finding target molecules that would enable the diagnosis of early starting processes in the joints and slow down or stop their development. This Special Issue is focused on osteoarthritis and will publish original articles as well as reviews that present novel molecular, pathological and pathophysiological mechanisms.

Guest Editor

Dr. Marina Aunapuu

Department of Anatomy, University of Tartu, Ravila 19, 50411 Tartu, Estonia

Deadline for manuscript submissions

closed (31 August 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/167782

*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)