

Special Issue

Musculoskeletal Metabolism and Inflammation

Message from the Guest Editor

Skeletal muscles represent about 40% of our body mass and are indispensable, being involved not only in mobility, but also in major functions, through the release of myokines. Skeletal muscle dysfunctions are frequent and characterize many acute and chronic conditions, determining both the quality of life and prognosis of patients. In addition to its obvious role in generating mechanical force to support body posture and daily movement, skeletal muscle has been shown to be important for regulating whole-body metabolism. This particular call welcomes both original research articles and comprehensive reviews related to the role of metabolism and inflammation (and their related molecular mechanisms) in mediating age- and/or obesity-related musculoskeletal disorders. Of particular interest studies on disorders of skeletal muscle including sarcopenia, disorders of bone such as osteoporosis and scoliosis and disorders of the synovial joint such as osteoarthritis, which reveal new mechanistic understanding and/or identify new pharmacological treatments.

Guest Editor

Dr. Simon W. Jones

MRC-ARUK Centre for Musculoskeletal Ageing Research, Institute of Inflammation and Ageing, University of Birmingham, Birmingham B15 2TT, UK

Deadline for manuscript submissions

closed (31 July 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/107709

*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)