

Special Issue

From Molecular Basis to Therapeutic Approaches in Skeletal Muscle Dysfunction

Message from the Guest Editors

The aim of this Special Issue is the collection of original reports and literature reviews, both basic science and translational research investigation, with current knowledge from the molecular basis to therapeutic approaches to several types of skeletal muscle dysfunction. Nutritional interventions and exercise tests have already begun in humans. However, much of the research on the molecular basis and therapeutic approaches has been developed from myotube cells, small animal models such as the nematode *C. elegans* and *Drosophila melanogaster*, and rodents, such as mice and rats. Collecting the latest results related to these basic studies will lead to the development of applications for combating human skeletal muscle dysfunction.

Guest Editors

Prof. Dr. Atsushi Higashitani

Graduate School of Life Sciences, Tohoku University, Sendai 980-8577, Japan

Dr. Timothy Etheridge

Department of Sport and Health Science, University of Exeter, St. Luke's Campus, Exeter, Devon EX1 2LU, UK

Deadline for manuscript submissions

closed (31 August 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/129391

*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)