

## Special Issue

# Cell Signaling and Omics in Muscular Dystrophies 2.0

### Message from the Guest Editor

Muscular dystrophies (MDs) are diseases predominantly affecting the skeletal muscle and include inherited muscle pathologies such as Duchenne Muscular Dystrophy, Becker Muscular Dystrophy, FacioScapulohumeral Muscular Dystrophy, Limb-Girdle Muscular Dystrophy, Myotonic Dystrophy and skeletal muscle laminopathies. MDs have been associated with an increasing number of gene mutations involving structural proteins, signaling molecules and/or leading to aberrant mRNA processing or altered post-translational modifications. In the last few decades, many achievements have been made in clarifying the pathogenesis of these diseases and should improve the development of adapted specific therapies. This issue will give recent insights into cellular and molecular mechanisms that are primarily and secondarily disrupted in MDs, focusing on muscle degeneration and regeneration, defects in muscle growth and the repair of skeletal muscle. Original manuscripts and reviews dealing with specific aspects of molecular mechanisms and pathophysiology of MDs are very welcome from outstanding experts in the topic.

---

### Guest Editor

Dr. Jeffrey Glennon

School of Medicine and Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Conway Institute, Dublin 4, Ireland

---

### Deadline for manuscript submissions

closed (28 June 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/125154](https://mdpi.com/si/125154)

*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)* 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, and molecular biophysics. *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. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### 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, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)