



## Musculoskeletal Disease: From Molecular Basis to Therapy

Guest Editor:

**Dr. Ioannis Kanakis**

Chester Medical School,  
University of Chester, Bache Hall,  
Countess View, Chester CH2 1BR,  
UK

Deadline for manuscript  
submissions:

**31 October 2024**

### Message from the Guest Editor

Dear Colleagues,

Musculoskeletal diseases comprise a diverse range of bone, joint, muscle and connective tissue pathologies and affect all genders, races, and ethnicities. The treatment approaches available for musculoskeletal disorders have substantially progressed in the last decades, especially in terms of pain management and tissue regeneration. However, the puzzle of the pathogenetic mechanisms has not yet been solved, although significant steps have been made, especially in the -omics era, and these developments are a means to fully understand pathobiology with the purpose of producing effective therapeutics.

This Special Issue of *IJMS*, entitled ‘Musculoskeletal Disease: From Molecular Basis to Therapy’, is led by Dr. Ioannis Kanakis and aims to focus on new insights, novel developments and discoveries, current challenges, and future perspectives in the field of musculoskeletal diseases.

Dr. Ioannis Kanakis

*Guest Editor*





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI