

## Special Issue

# Novel Insights into Bone Tissue: Pathologies and Therapeutic Strategies

### Message from the Guest Editor

Bone tissue, with its intricate physiology and susceptibility to a wide range of pathologies, remains a critical focus of scientific research. Understanding its mechanisms and disorders is essential for addressing global health challenges, as bone-related diseases, ranging from osteoporosis to rare genetic disorders, affect millions worldwide. This Special Issue highlights fundamental discoveries and clinical practice advancements, publishing high-quality, peer-reviewed articles that explore the molecular, cellular, and biomechanical aspects of bone health and disease. Topics of interest include the etiology and progression of bone disorders, innovative diagnostic tools, the interplay between bone and systemic conditions, and the development of cutting-edge therapeutic approaches, such as regenerative medicine, biomaterials, and pharmacological interventions. Researchers, clinicians, and interdisciplinary teams are invited to contribute original research, reviews, and case studies that advance the field, foster deeper understanding, and drive transformative clinical applications to improve patient outcomes globally.

### Guest Editor

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### Deadline for manuscript submissions

20 November 2025



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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### 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.

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### Editor-in-Chief

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