

Special Issue

Musculoskeletal Diseases: Advances in Molecular Mechanisms and Therapeutic Approaches

Message from the Guest Editor

Musculoskeletal diseases encompass a wide range of pathologic conditions affecting bone, joint, muscle, and connective tissues, impacting individuals of all genders and races. The treatment options for these diseases have significantly advanced in recent decades. However, the molecular mechanisms underlying these conditions remain largely unresolved, and a deeper understanding of their pathophysiology is essential for developing more effective therapies. This Special Issue will highlight new insights and breakthroughs in the molecular mechanisms of musculoskeletal diseases, address persistent challenges, and explore emerging therapeutic approaches, all with the ultimate goal of improving clinical outcomes. We encourage submissions focusing on fundamental molecular pathways, novel therapeutic targets, translational approaches, and innovative methodologies that further our understanding of musculoskeletal pathophysiology.

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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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