

Special Issue

Highlights in Pathophysiology of the Musculoskeletal System

Message from the Guest Editors

During the past few decades, with the advancement of research and technology, much has been discovered concerning the pathophysiological knowledge of the musculoskeletal system. Novel molecular targets have been identified for therapeutic approaches. Innovative methodologies such as tissue engineering, regenerative medicine, gene therapies, drug delivery systems, microgravity conditions, and nutritional interventions have facilitated the development of understanding mechanisms of musculoskeletal disorders such as osteoarthritis, rheumatoid arthritis, sarcopenia, muscle wasting, osteoporosis, bone necrosis, and many others. In this Special Issue, we focus our attention on the latest discoveries and developments in musculoskeletal system pathophysiology at a molecular level and provide a comprehensive update on the literature accessible to scientists from the field.

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Deadline for manuscript submissions

closed (31 October 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/100721

*International Journal of
Molecular Sciences*
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