



From Molecular Mechanisms to Therapy: Novel Insight on Musculoskeletal System

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Message from the Guest Editors

Advancements in fields such as stem cell biology, genomics, developmental biology, and molecular genetics are all contributing to advancements in our understanding of basic pathological conditions involving musculoskeletal system. Regenerative medicine and its applications for the musculoskeletal system in order to replace, repair, and promote tissue regeneration have received increased interest over the last decade. Especially, mesenchymal stem cells (MSCs). Recent literature data have focused the attention to several bioactive factors produced by MSCs including cytokines, growth factors, microRNAs, proteasomes, and exosomes that play an important role in the regulation of numerous physiological processes.

This Special Issue will focus on recent advances that aim to understand better the molecular processes underlying the available technologies and the development of new therapeutic approaches. Original research articles, comprehensive reviews, and short communications related to this topic are all welcome.





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Message from the Editor-in-Chief

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