

Special Issue

Mechanobiology and Extracellular Vesicle-Based Strategies for Osteochondral Regeneration

Message from the Guest Editor

This Special Issue will focus on emerging strategies for musculoskeletal regeneration by integrating biomechanics, stem cell biology, extracellular vesicles, and advanced tissue engineering approaches. We welcome original research articles and reviews that explore the mechanobiological regulation of stem cell fate, the role of extracellular vesicles in osteoarthritis pathogenesis and therapy, and the development of osteochondral organoids or biomaterial-based systems for translational applications. The goal is to provide a multidisciplinary platform linking fundamental mechanisms with innovative therapeutic strategies for osteoarthritis and related joint diseases.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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