Special Issue

Scientific Advances in Fracture Healing and Bone Regeneration: Current Strategies for Enhancing Bone Repair

Message from the Guest Editor

A deep understanding of the biology underlying bone regeneration, knowledge on current fixation methods and standardized pain management, feasibility and requirements for cell grafting approaches, and biologics and physical stimulation as well as strategies for enhancing repair ensure successful clinical management of fracture repair. This Special Issue will focus on up-to-date experimental methods to measure, assess, and enhance bone repair using standardized state-of-the-art techniques and new biological, chemical, and tissue-engineered approaches; current and new types of fixation protocols; and appropriate experimental in vitro and in vivo models. In particular, for this Special Issue contributions dealing with strategies for enhancing fracture repair, including improvement of vascularization with a substantial enhancement of knowledge on bone biology and osteoimmunology as well as new experimental in vitro and in vivo approaches, are highly encouraged.

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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