Development of Bone Anabolic Agents and Scaffolds for Improved Fracture Healing

Guest Editor:

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Message from the Guest Editor

Fracture healing is a complex biological process, triggered by trauma injury or in association with osteoporosis. Depending on its severity, location and patient bone quality, delayed, impaired or nonunion fracture healing can occur. Addressing these situations is extremely critical as they lead to reduced mobility, excessive pain, bone infections and bone deformities. Therefore, the development of bone anabolic agents and tissue scaffolds to improve fracture healing is an unmet medical need. In this issue, we are looking for research articles using novel bone anabolic agents and tissue scaffolds for fracture healing in relevant animal models. Human case studies related to novel approaches for nonunion fracture healing are also a topic of interest for this Special Issue. Current research indicates that probiotics and gut microbiomes could play a beneficial role in fracture healing. To move forward in this direction, articles focusing on the use of probiotics or the gut–fracture healing axis will be given special emphasis for this issue.
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Message from the Editor-in-Chief

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