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Improving Bone Tissue Engineering and Regeneration at the Biological and Biomaterials Level

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Message from the Guest Editors

Dear Colleagues,

Bone regeneration, with the rapid advances in tissue engineering, is at the dawn of a new era. Technical progress, particularly with 3D printing adapted or not to the patients' bone defects, now makes it possible to consider not only manufacturing purely bone grafts but also and above all combinations with adjacent tissues, without forgetting the vascularization. An all-in-one graft, with perfect architecture, osteo-conductive, -inductive and -genic, pre-vascularized and multi-tissue... and why not! We should not forget either the pharmacological-, restorative-, bone cementing and fixation-, endosseous implantology- approaches, etc. In this Special Issue, we will propose an overview of the progress made in this field, both in terms of the biology of bone regeneration and the biomaterials used to achieve it.

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Special Issue



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Message from the Editor-in-Chief

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