Special Issue

15th Anniversary of *JFB*—Functional Biomaterials for Bone Regeneration and Repair

Message from the Guest Editor

We are publishing a Special Issue entitled *15th Anniversary of JFB—Functional Biomaterials for Bone Regeneration and Repair.* The use of biologics in bone augmentation procedures has evolved over recent decades. Procedures involving autogenous bone, allografts, alloplasts, and xenografts have been shown to benefit from the biofunctionalization of any bone substitute with either blood centrifugates, recombinant growth factors, or hyaluronic acid. The advantageous combination of biologically active molecules and grafting material results in facilitated wound healing, the improved vascularization of the grafted area, the accelerated integration of the substitute, enhanced tissue formation, and the rapid recruitment of mesenchymal cells crucial in the regenerative process. Various biologics lead to the unfolding of different pathways through their actions, as well as diverse local responses in the tissues in contact with biofunctionalized constructs.

This Special Issue will showcase papers related to the elucidation of the biological mechanisms behind several bioactive substances when they come into contact with vital environments in vivo, ex vivo, and in vitro.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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