Special Issue

Bone Regeneration and Repair Materials

Message from the Guest Editors

Bone tissue has a remarkable capacity to regenerate after injury and trauma. However, the extent of bone loss or the presence of concurring diseases can often surpass its regenerative ability, leading to the failure of conventional procedures and, consequently, the need for additional treatments. Regenerative medicine in the context of bone regeneration encompasses all currently available treatments including biological and material approaches as well as the combination of both, which are under the scrutiny of researchers and clinicians. This Special Issue, “Bone Regeneration and Repair Materials”, aims to compile original articles and reviews in this field, covering all aspects of scientific investigation from bench to bedside. Papers dealing with, but not limited to: new insights on the use of grafts and/or fixation devices; the role of cells and growth factors, either combined or not with biomaterials; the development, physico-chemical modifications, characterizations, and biological evaluations of bone biomaterials; and innovative advances toward bone regeneration are of great interest.

Guest Editors

Prof. Dr. Adalberto Luiz Rosa

Bone Research Lab, School of Dentistry of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil

Prof. Dr. Marcio Mateus Beloti

Bone Research Lab, School of Dentistry of Ribeirão Preto, University of São Paulo, Ribeirão Preto, Brazil

Deadline for manuscript submissions

closed (20 February 2024)

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/141487

Journal of Functional Biomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jfb@mdpi.com

mdpi.com/journal/jfb

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/journal/jfb

MDPI

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
School of Engineering and Materials Science, Queen Mary University of London, London, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Biomedical) / CiteScore - Q2 (Biomedical Engineering)