



an Open Access Journal by MDPI

## Soft and Hard Tissue Regeneration

Guest Editors:

### Dr. Mike Barbeck

Clinic and Policlinic for  
Dermatology and Venereology,  
University Medical Center  
Rostock, 18057 Rostock,  
Germany

### Dr. Ole Jung

Clinic and Policlinic for  
Dermatology and Venereology,  
University Medical Center  
Rostock, 18057 Rostock,  
Germany

### Dr. Michael Dau

Department of Oral, Maxillofacial  
Plastic Surgery, University  
Medical Center Rostock, Rostock,  
Germany

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editors

A variety of biomaterials are currently available on the market for soft and hard tissue regeneration. Moreover, a broad spectrum of new materials is currently developed worldwide. Thus, an enormous number of preclinical in vitro and in vivo studies and also clinical studies are conducted to clarify the related tissue reactions and their regenerative capacities. The compositions of the biomaterials for soft and hard tissue regeneration vary from natural polymers such as collagen and decellularized bone matrix up to synthetic polymers such as polylactid acid (PLA).

In this Special Issue, we would like to present new insights into the underlying cellular and molecular interactions of biomaterials for hard and soft tissue regeneration. Particularly, this Special Issue seeks studies describing both new and already available biomaterials, and innovative material processing techniques related to the healing processes of soft and hard tissues. Thus, contributions (reviews and/or original papers) on biomaterials for hard and soft tissue regeneration are very welcome.



[mdpi.com/si/39160](https://mdpi.com/si/39160)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Felipe Fregni

1. Neuromodulation Center and  
Center for Clinical Research  
Learning, Spaulding  
Rehabilitation Hospital and  
Massachusetts General Hospital,  
Harvard Medical School, Boston,  
MA 02114, USA  
2. Department of Epidemiology,  
Harvard T.H. Chan School of  
Public Health, Boston, MA 02115,  
USA

## 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.

## 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*, *CAPLus / SciFinder*, and other databases.

**Journal Rank:** JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Medicine (miscellaneous)*)

## Contact Us

*Biomedicines* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/biomedicines](https://mdpi.com/journal/biomedicines)  
[biomedicines@mdpi.com](mailto:biomedicines@mdpi.com)  
X@Biomed\_MDPI