Special Issue

Clinical Application for Tissue Engineering

Message from the Guest Editors

Tissue engineering addresses the fabrication of functional three-dimensional structures that resemble the native organ. It is a transversal field that includes engineered cells, and engineered tissues, aiming to re-create, replace, and restore a whole or partial organ. As a dynamic field, tissue engineering is constantly evolving and integrating new areas of research such as nanotechnology and 3D-printing. Over 150 000 papers on tissue engineering were published in the last 30 years. However, few of the proposed solutions ended in real-world applications. Many projects suffer from technical limitations. The aim of this Special Issue is to provide more visibility to proof-of-concept studies in order to receive feedback from the scientific community. Targeting cutting-edge research in tissue engineering may help find new ways to tackle important health conditions in term of their diagnosis, treatment, and prevention. The Special Issue is open for submissions of basic to clinical research, or a multi-disciplinary approach, and reviews on the following topics: Cell sources;
Genetic tools;
Biomechanics;
Novel chemistries;
Self-assembly structures;
3D printing;
Nanotechnology.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2022)

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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.

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