Special Issue

Novel Biomaterials for Neuroengineering

Message from the Guest Editor

Biomaterials and biotechnology are becoming increasingly important in modern medicine. The aim of this field of research is the development of materials which are biocompatible with normal tissue. In particular, neural regeneration has become critically important and extensive research has been focused on the regeneration possibilities of the peripheral and central nervous system. Therefore, the development of in vitro neural tissue analogs remains significant for many biomedical engineering applications, including the tissue engineering of neural interfaces, the treatment of neurodegenerative diseases and the in vitro evaluation of cell–material interactions. This Special Issue will include review articles and research studies which discuss biomaterials that can be used for the regeneration and reparation of the central and peripheral nervous system.

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

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