applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Application of Extracellular Matrix in Regenerative Medicine

Guest Editor:

Dr. Neill Turner
1. McGowan Institute for Regenerative Medicine, University of Pittsburgh, Pittsburgh, PA 15213, USA
2. Department of Surgery, University of Pittsburgh, Pittsburgh, PA 15213, USA

Deadline for manuscript submissions:
closed (31 October 2020)

Message from the Guest Editor

Dear Colleagues,

I invite you to contribute to a Special Issue of the journal Applied Biosciences and Bioengineering, entitled "Application of Extracellular Matrix in Regenerative Medicine", which aims to present recent developments in the use of decellularized tissues and bioscaffolds to promote constructive tissue remodeling and wound repair.

An extracellular matrix (ECM) is a dynamic structure, composed of a three-dimensional architecture of fibrous proteins, proteoglycans, and glycosaminoglycans, synthesized by the resident cells, which forms an intricate network in equilibrium with the surrounding cells and growth factors. The ECM can be considered nature's ideal biological scaffold material.

The decellularization of tissues and whole organs has established a platform for creating scaffolding materials for tissue engineering and regenerative medicine. Therefore, I cordially invite you to submit your research on these topics in the form of original research papers, mini-reviews, and perspective articles.

Dr. Neill Turner
Guest Editor

applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci