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Biofunctionalized Scaffold in Regenerative Medicine-Series II

Guest Editors:

Dr. Francesca Diomede

Department of Innovative Technologies in Clinical Medicine & Dentistry, University “G. d’Annunzio” Chieti-Pescara, 66100 Chieti, Italy

Dr. Jacopo Pizzicannella

Department of Engineering and Geology, University “G. d’Annunzio” Chieti-Pescara, 66100 Chieti, Italy

Deadline for manuscript submissions:

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Message from the Guest Editors

The use of a biofunctionalized scaffold with cells and/or soluble factors has emerged as a promising approach in the field of regenerative medicine. A biomaterial refers to a matrix that provides a specific environment and supports growth and development. An ideal scaffold must be biocompatible and nontoxic, and should improve cell viability, cell adhesion, and proliferation.

Better evaluating the tissue regeneration in scaffold/stem cell models, determining if the emerging imaging technologies fulfill all of the requirements for stem cell therapy research at present, and realizing their improvement and the development of multimodal molecular imaging systems will effectively promote the understanding of stem cell therapy biology and its mechanisms.

The aim of this Special Issue is to provide an overview of ongoing scientific research to better understand the molecular mechanisms involved in tissue regeneration and the evaluation of the aptitude of biofunctionalized scaffolds for future clinical applications.



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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