



Biofabrication Scaffold in Regenerative Medicine

Guest Editors:

Dr. Ming-You Shie

School of Dentistry, China
Medical University, Taichung City
40447, Taiwan

Dr. Kan Wang

The Georgia Tech Manufacturing
Institute, Georgia Institute of
Technology, Atlanta, GA, USA

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editors

Dear Colleagues,

The emergence of biofabrication technology and its related novel concepts such as 3D and 4D bioprinting has allowed us to fabricate and mimic complex native tissues. The goal of such tissue engineering is to fabricate complex tissue-like structures for tissue regeneration and personalized treatments such as drug screening and toxicological studies. Of the many parameters involved in bioprinting, the biomaterial plays a huge role in determining the feasibility of constructs for tissue engineering. Biomaterial biocompatibility allows for high cell viability and high retention of growth factors whilst the structural stability and geometry of the printed constructs allows specific cellular proliferation and differentiation. Many studies have attempted to explore suitable biomaterials for various applications by modifying and tuning the characteristics of various biomaterials. Therefore, this Issue is mainly focused on the various novel modifications of biomaterials used for tissue engineering and it is hoped that such a collection of articles could be used as a platform for future brainstorming.





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

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Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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