



Advances in Biofabrication for Tissue Engineering and Regenerative Medicine Applications

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Message from the Guest Editors

Biofabrication strategies, and in particular 3D bioprinting, continue to gain interest for the generation of high-fidelity tissue-engineered structures for regenerative medicine, disease modelling and drug discovery applications.

The constant innovation of bioprinting strategies has led to successful applications in a wide variety of healthcare applications. Advances are not, however, limited to improvements in the bioprinting platform itself. The design of appropriate biomaterial-based bioinks is equally essential to the generation of a successful strategy. The mechanical behavior of candidate materials should suit the bioprinting strategy whilst simultaneously not hindering the key cellular mechanisms that are essential in a particular application.

The aim of this Special Issue is to highlight new approaches in the biofabrication of biological structures including, but not limited to, the development of novel bioprinting strategies and the design of cutting-edge biomaterial systems.





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