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Micro-Nano Spatial Topology for Tissue Engineering and Regenerative Medicine

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Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editors

The development of artificial biopolymer implants with a micro-nano spatial topology structure is playing an important role in clinical applications today—for example, restoring biology function, promoting tissue regeneration, and facilitating wound healing. However, the properties and performance of these artificial biopolymer implants still need to be further improved due to the unpredictable responses of the body to biopolymers and the complicated interactions with the components in living systems. The scope of this Special Issue encompasses new concepts in the preparation and evaluation of artificial biopolymer implants with a micro-nano spatial topology structure, studies into the interaction of this kind of artificial implants with cells, tissues, and the body, and the use of topological biomaterials to answer fundamental biological questions in vitro and in vivo.



mdpi.com/si/126611

Special Issue



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