



nanomaterials



Special Issue Reprint

Moving toward Biomimetic Tissue Engineered Scaffolds

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This reprint aims to provide an overview of the latest research strategies focused on fabricating biomimetic scaffolds to promote tissue regeneration. Biomimicking the microenvironment of the extracellular matrix of a tissue to be healed can be regarded as one of the most promising solutions to obtain a correct physiological regeneration. Materials, fabrication techniques, cellular and/or biological signals, and the incorporation of bioactive compounds are pivotal aspects considered for this purpose. In this reprint, experts in the field contribute original research articles, review articles, and a forward-looking perspective to deliver the current scenario of advancing experimental methodologies used to mimic a tissue-specific extracellular matrix.



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