

Special Issue

Engineered Biomaterials for Bone Tissue Regeneration

Message from the Guest Editor

The repair of bone defects originating from trauma, tumor resection, and bone diseases demands additional functional components to promote bone regeneration. The reconstruction of bone defects is a complex biological process that requires osteoconductive biomaterials, osteogenic precursor cells, and osteoinductive growth factors. The aim of this Special Issue is to fabricate and characterize engineered 3D membranes and to evaluate the biological functions of membranes for bone tissue regeneration. Topics include various fabrication methods, unique characterization, polymer and composite materials, biomedical applications such as bone tissue regeneration, drug delivery for bone defect healing, etc.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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