

Special Issue

Functional Materials for Bone Regeneration: Biomaterials and Cells

Message from the Guest Editors

In this Special Issue, we aim to provide beneficial findings for the preparation and application of functional materials to effectively augment bone regeneration and elucidate novel mechanisms underlying the generation of an optimal environment for bone regeneration.

Original research papers and mini- and full reviews are welcome. Potential topics include, but are not limited to the following:

- Modification of the scaffold or surface on materials for the spatiotemporal regulation of cell invasion and differentiation;
- Enhancement of the accuracy on the delivery and controlled-release of drugs;
- Regulation of anti-oxidant and anti-inflammatory effects;
- Effective methods to prepare cells for use in bone and osteochondral regeneration;
- Design and preparation of highly anti-bacterial materials;
- Cost-effective strategies for functionalizing biomaterials;
- Development of ecofriendly functional materials.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2020)



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Message from the Editor-in-Chief

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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