

Special Issue

Bioengineering and Translational Research for Bone and Joint Disorders

Message from the Guest Editor

We invite original research articles, reviews, and short communications covering (but not limited to) the following themes:

- **Biomaterials and Scaffold Design**
 - 3D-Printed/Bioprinted Scaffolds
 - Smart Materials
 - Surface Modifications
- **Regenerative Medicine and Cell Therapies**
 - Stem-Cell-Based Approaches
 - Exosome and Secretome Therapies
 - Mechanobiology
- **Translational Challenges and Clinical Solutions**
 - Large Bone Defect Repair
 - Joint Degeneration
 - Infection Management
- **Emerging Technologies**
- **Organ-on-a-Chip Models**
- **AI and Machine Learning**
- **Neuro-Regeneration**

We encourage researchers, clinicians, and industry partners to contribute groundbreaking work that advances the field of bone and joint bioengineering. Together, let's accelerate the translation of innovative therapies from bench to bedside!

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).