

## Special Issue

# Bone Metabolism in Health and Disease

### Message from the Guest Editor

Bone is a dynamic tissue that undergoes constant remodeling through the coordinated actions of bone-resorbing osteoclasts and bone-forming osteoblasts, supported by skeletal stem/progenitor cells and the bone marrow microenvironment. Bone metabolism is crucial not only for maintaining skeletal integrity but also for regulating mineral homeostasis and systemic health. The dysregulation of bone metabolic processes contributes to a wide spectrum of disorders, including osteoporosis, osteoarthritis, fractures, metabolic bone diseases, and bone loss associated with aging and chronic conditions. With populations aging worldwide, bone-related diseases represent an increasing global health burden, underscoring the urgent need to deepen our understanding of the mechanisms underlying bone metabolism and to develop novel therapeutic approaches. This Special Issue aims to highlight recent advances in the molecular, cellular, and translational aspects of bone metabolism in both health and diseases. We invite submissions that provide new insights into the regulation of bone turnover, signaling pathways governing skeletal homeostasis, and therapeutic strategies targeting bone metabolic disorders.

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### Guest Editor

Dr. Kun Chen

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### Deadline for manuscript submissions

30 April 2026



## Biomedicines

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### 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.

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### Editor-in-Chief

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