



Skeletal Homeostasis and Metabolism

Guest Editor:

Dr. Ha-Neui Kim

Center for Musculoskeletal
Disease Research and Center for
Osteoporosis and Metabolic
Bone Diseases, Department of
Internal Medicine, Division of
Endocrinology and Metabolism,
University of Arkansas for Medical
Sciences, 4301 W. Markham
Street, Little Rock, AR 72205-
7199, USA

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Message from the Guest Editor

The maintenance of bone homeostasis is extremely important for bone health. Pathological or physiological changes, such as aging, inflammation, or estrogen deficiency, lead to increased numbers or activity of osteoclasts as well as a decreased numbers of osteoblasts, tilting the balance in favor of bone resorption and causing bone diseases; however, the molecular mechanisms responsible for imbalances between bone resorption and formation in these conditions are not well understood. This Special Issue will summarize and analyze the research progress of bone metabolism in osteoblasts and osteoclasts as well as osteocytes and gain an in-depth understanding of the key regulatory role of bone metabolism in osteogenesis and osteoclast differentiation and function in the maintenance of bone homeostasis, to provide guidance on the treatment of bone-related diseases such as osteoporosis and to facilitate use of this knowledge on the path to discovering pharmacological targets and new drug therapies. In particular, we welcome research covering novel molecular mechanism, new tools on bone research, or any animal studies with clinical relevance.





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
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