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Pharmacological Targets of Bone Homeostasis: Osteoclasts and Osteoblasts

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Message from the Guest Editors

Bone is a highly metabolic organ that is intricately involved in lifelong remodeling to maintain optimal bone architecture and bidirectional signaling transduction between osteoclastic bone resorption and osteoblastic bone formation. In addition to mineral dysregulation, osteoblasts and osteoclasts communicate to influence cellular functions, behavior, proliferation, survival and differentiation through both systemic hormones and local regulation of cytokines/growth factors. Emerging scientific studies have elucidated the pathogenesis peculiarities of bone homeostasis, providing evidence-supported diagnosis and therapeutic recommendations. This Special Issue aims to collect high-quality articles furthering the understanding of molecular mechanisms for multidisciplinary skeletal disorders and effective pharmaceutical targets to provide clinicians with novel evidence-based medicine.

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