



Mechanisms Regulating Osteoclastogenesis in Physiological and Pathological Conditions

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Message from the Guest Editors

Bone remodeling is a tightly regulated process involving the interplay among osteoclasts, osteoblasts, and osteocytes. Osteoclasts are the bone resorbing cells arising from the fusion of monocyte/macrophage precursors. Osteoclastogenesis is primarily supported by osteoblasts but also by other cells of the bone marrow microenvironment, such as immune cells, adipocytes, and endothelial cells. Osteoclastogenesis is a finely controlled process, and its deregulation is related to different bone diseases; thus, the deepening of the mechanisms regulating osteoclast formation can be useful for identifying new pharmacological targets.

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