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Purinergic Signalling in Bone

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Message from the Guest Editors

Bone is a highly dynamic and specialized connective tissue. Bone homeostasis is largely influenced by substances present in the microenvironment. Purinergic signaling is one of the most primitive intercellular signaling, which is activated by extracellular purines through a group of receptors and intermembrane channels. Metabolisms or tissue injuries can change concentration of extracellular purines, influencing bone cell functions through purinergic receptors. It is now recognized that purinergic signaling is a modulator of many physiological and pathological conditions in bone, such as osteoporosis, rheumatoid arthritis, and cancers. This Special Issue aims to cover selection of recent research topics and current review articles related to purinergic signaling in bone. Up-to-date review articles, commentaries, and experimental papers are all welcome.



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