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Bone Cells and Related Interactions

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Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is focused on the relationships between bone and surrounding tissues/systems.

Each bone is an organ (i.e., a multi-tissue entity) that includes connective tissues (cartilage, adipose, blood), nervous tissue, and muscular tissue. Bony skeleton performs both mechanical and metabolic functions, as endoskeleton, it provides a protective and structural framework for the body, since it supplies structural support, protection of soft tissue organs and attachments for muscles. Though bones perform these functions, they are dynamic organs, constantly remodeling, under mechanical and metabolic demands. Moreover, bone tissue contains bone marrow, responsible for stem cell differentiation and blood cell production, and serves as an important store house of minerals. Often, all these aspects are functionally correlated and interfere with each other, by sharing sophisticated signaling pathways. In the last decade, there has been a fair bit of molecular and cellular research done on bone physiology, bone remodeling, bone remodeling bone remodeling bone remodeling

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Guest Editor



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Message from the Editor in Chief

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devoted to all aspects of research in bone and related fields, and

disease, the discovery and characterization of new

therapeutic targets, therapeutic strategies, and research of

Special Issue

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