

Special Issue

Bone Cell Function and Interplay in Physiological and Pathological Conditions

Message from the Guest Editors

Bone homeostasis is a dynamic equilibrium involving many cell types, such as osteoclasts, osteoblasts, and osteocytes. Moreover, many other cell types are now recognized to be involved in bone homeostasis, including immune cells, adipocytes, and mesenchymal cells. Their interplay is crucial for bone metabolism, and uncoupling of bone cell function and differentiation leads to alteration of bone structure.

Despite the clinical relevance of bone homeostasis, there is still a need for knowledge on physiological bone cell function and interaction, as well as on signaling pathways responsible for altered bone cell function during inflammatory and degenerative diseases, especially in humans.

This Special Issue invites original research articles as well as reviews on recent advances in bone cell function, differentiation, and activation in physiologic conditions, as well as during inflammatory and degenerative diseases. We especially encourage articles focusing on human bone cells, as well as articles describing the interplay of different bone cell types. Basic studies as well as preclinical studies in all fields of bone research are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



Cells

an Open Access Journal
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Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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