

Special Issue

Recent Advances in Bone Biology

Message from the Guest Editors

Bone is a mineralized and viscous-elastic connective tissue that exerts several crucial functions in the human body, such as allowing locomotion, protecting internal organs, storing and releasing fat, minerals, and hormones, producing blood cells, and providing mechanical support. Bone homeostasis is maintained through the finely tuned and regulated activities of bone cells, including osteogenic precursors, bone-forming osteoblasts, bone-resorbing osteoclasts, and mechanosensing osteocytes. In this context, our aim for this Special Issue is to provide a comprehensive overview of recent theoretical, technical, and methodological advances in the field of bone biology. In particular, scientific contributions covering topics such as bone molecular and cellular biology, bone tissue development and repair, bone cell cross-talk, bone metabolism, bone signaling, bone cancer immunotherapy, bone-targeted therapies, the development of bone organoids for tissue engineering, and the mechanobiology of bone cells in in vitro and in vivo experimentations are welcome.

Guest Editors

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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