

Special Issue

Osteoblasts and Osteocytes

Message from the Guest Editor

This Special Issue on “Osteoblasts and Osteocytes” will cover recent advances in the growing field of skeletal biology that seek to understand the roles of these bone cells in regulating skeletal remodeling. We seek contributions aimed at understanding how bone cells translate a mechanical signal detected at the cell surface into an appropriate sequence of biochemical changes inside the cell that results in a coordinated anabolic or catabolic response. Authors working directly or indirectly on questions related to understanding the cells and molecules and signaling pathways that may contribute to skeletal “mechanosensation” are welcome. Intuitive considerations and abundant experimental evidence support the idea that osteocytes, as the most abundant bone cells, and given their location throughout bone, are the cells most directly responsible for detecting mechanical signals. How these osteocytes work in coordination with bone-resorbing osteoclasts and bone-forming osteoblasts to maintain a healthy skeleton are of great interest to the growing field of skeletal mechanobiology.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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