

Special Issue

Osteoblast Differentiation and Activity in Skeletal Diseases

Message from the Guest Editors

Osteoblasts represent the bone forming cells, osteocyte are the orchestrator of bone remodeling through regulation of the other bone cells activity, by functioning as endocrine cells and by acting as mechanosensor, and osteoclasts, the bone resorbing cells. The bone cellular compartment is a dynamic environment and the cells crosstalk is fundamental to guarantee skeletal performance. Many evidences suggest that impairment in osteoblasts differentiation and/or activity are responsible for human diseases. The Special Issue, "Osteoblasts differentiation and activity in skeletal diseases" of the International Journal of Molecular Sciences will include a selection of research papers and reviews about various aspects of the molecular and cellular biology of osteoblasts, linking their impaired function to common and heritable skeletal diseases. How abnormal osteoblasts differentiation and activity influence bone modelling and remodeling and extracellular matrix mineralization will also be addressed.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/57406

*International Journal of
Molecular Sciences*
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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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