

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

Prof. Dr. Antonella Forlino

Department of Molecular Medicine, Unit of Biochemistry, University of Pavia, Pavia, Italy

Prof. Dr. Pierre Moffatt

Shriners Hospitals for Children – Canada and Department of Human Genetics, McGill University, Montréal, QC, Canada

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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