

Special Issue

Bone Development and Growth

Message from the Guest Editor

The aim of this Special Issue is to present an up-to-date perspective on the process of formation and maintenance of the skeleton. On this basis, this Special Issue focuses on bone development and growth, including the mechanisms of bone formation, pathways that regulate the differentiation of cartilage cells (chondrocytes), bone-forming cells (osteoblasts) and bone - destroying cells (osteoclasts), limb development, endochondral and intramembranous ossification, structural aspects of longitudinal and transverse growth of bones, the role of hormones in bone formation and microarchitecture, bone growth pathologies, heterotopic bone formation, bone repair and transplantation, and bone regenerative medicine. Thus, it is open to contributions from anyone interested in bone development and function, including anatomists, cell biologists, physiologists, biochemists, orthopedists, pathologists, clinicians and biomedical engineers.

Guest Editor

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The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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