

# 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.

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### Guest Editor

Prof. Dr. José López

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### Deadline for manuscript submissions

closed (30 April 2022)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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Molecular Sciences*  
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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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### Editor-in-Chief

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