

## Special Issue

# Bone Biology: A Molecular Perspective

### Message from the Guest Editor

Bone turnover, which involves resorption followed by replacement by new bone, is a lifelong process. This complex process involves inter- and intracellular signalling between the osteoprogenitor cells and differentiated bone to regulate bone remodelling and growth. Several advances in bone cell molecular biology have provided insight into various skeletal pathologies, providing opportunities for novel therapeutic targets. This Special Issue will cover emerging areas of bone epigenetic regulation by DNA methylation, non-coding RNAs and histone modification and multiple omics including transcriptomes, metabolomics and proteomics. The application of these technologies has led to the identification of macular factors and network, contributing to the pathogenesis of osteoporosis and other metabolic bone diseases.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 March 2023)



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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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