

## Special Issue

# Bone Microenvironment and Bone Metastasis

### Message from the Guest Editor

The aim of this Special Issue is to highlight recent advances in understanding the bone microenvironment and bone metastasis through the lens of molecular and cellular mechanisms. Bone metastasis remains a major clinical challenge, particularly in patients with breast, prostate, and lung cancers. These tumor cells colonize and modify the bone microenvironment (comprising osteoblasts, osteoclasts, mesenchymal stem cells, immune cells, and adipocytes), disrupting bone homeostasis and promoting disease progression. We encourage the submission of original research and reviews that provide new insights into the molecular pathways, signaling mechanisms, and gene or protein interactions that govern tumor–bone interactions, metastatic colonization, resistance to therapy, or bone remodeling in the context of cancer. Clinical or in vivo/in vitro model studies are welcomed only if they are accompanied by biomolecular analyses that elucidate underlying mechanisms. Studies that integrate molecular biology with well-designed models or patient-derived data are highly encouraged, as they offer translational relevance and mechanistic depth.

### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of 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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