

## Special Issue

# Bone Metastasis Challenge: New Ideas and Future Perspectives

### Message from the Guest Editors

Metastatization is a highly orchestrated process that involves several molecular mechanisms such as loss of intercellular cohesion, cell migration, angiogenesis, cell access to systemic circulation, cell survival in the circulation, evasion of local immune responses, and growth in distant organs. Indeed, bone metastases are a major cause of morbidity, characterized by severe pain, impaired mobility, pathologic fractures, spinal cord compression, and hypercalcemia. However, the molecular mechanisms of tumor osteotropism are not fully understood. Starting from these considerations, the aim of this Special Issue is to publish the latest discoveries and bring together researchers in the field (include but are not limited to): Molecular mechanisms of cancer escape; Homing of cancer cells to bone sites; Epithelial-to-mesenchymal transition vs. mesenchymal-to-epithelial transition; Role of cancer stem cells in the development of bone metastases; Circulating tumor cells; Biomarkers of tumor osteotropism; Therapeutic and theragnostic perspectives

### Guest Editors

Dr. Manuel Scimeca

Prof. Dr. Orazio Schillaci

Prof. Dr. Elena Bonanno

Dr. Nicoletta Urbano

Dr. Rita Bonfiglio

### Deadline for manuscript submissions

closed (31 March 2021)



## International Journal of Molecular Sciences

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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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