



Bone Metastasis Challenge: New Ideas and Future Perspectives

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Message from the Guest Editors

Metastization 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





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Message from the Editor-in-Chief

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