



## Osteosarcoma: From Pathophysiology to Novel Therapeutic Approaches

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### Message from the Guest Editor

Osteosarcoma (OS) is the most common primitive bone tumor in children and adolescents, with a second peak incidence in older adulthood.

Although treatment with surgery and multiagent intensive chemotherapy results in a 60-70% rate of long-term disease-free survival for localized patients, the chance of curing the disease dramatically drops for metastatic patients and patients with chemoresistant tumors.

The identification of novel therapeutic approaches is challenging due to the rarity of the disease and osteosarcoma's biological features, such as tumor heterogeneity, complex karyotypes, and genomic instability.

This Special Issue will present a collection of original research articles and reviews highlighting osteosarcoma's pathophysiologic mechanisms, including epigenetic and metabolic regulation, angiogenesis, microenvironment, and immune system interactions, and will help to address advances in new therapeutic strategies.





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## Message from the Editor-in-Chief

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