



Molecular Research of Osteosarcoma Pathology and the Latest Therapies

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Osteosarcoma is a rare tumour but it's a most common non-hematological primary malignant tumour of the bone. The aetiology of osteosarcoma remains poorly understood due to the rarity of this highly aggressive cancer and the difficulty of obtaining an adequate number of samples with high tumour content for further analyses.

The therapeutic protocols include neoadjuvant conventional chemotherapy, surgical resection of the primary tumour and eventually post-operative chemotherapy. The survival rate has improved considerably after the introduction of neoadjuvant chemotherapy and surgery, metastatic or recurrent disease still occurs, and the survival rate of patients is mainly linked to the resistance to therapy.

Metastasis and response to therapy are the main problem of osteosarcoma patients affecting their prognosis and survival and the molecular events underlying this process remain largely unclear; for these reasons it is necessary to identify new targets to develop new therapies that could prevent metastasis development in osteosarcoma.



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Dr. Claudio Di Cristofano
Guest Editor

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Message from the Editor-in-Chief

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