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Epigenetics and Cancer Therapy

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Message from the Guest Editors

Cancer is a heterogeneous disease and one of the leading causes of death worldwide, which is affected by genetic and epigenetic modulations in the regulation of cell division. One of the most serious obstacles in applied cancer therapy is the occurrence of multidrug resistance. The phenomenon of multidrug resistance may occur naturally but acquiring it during chemotherapy is more recurrent. Consequently, recent laboratory studies and clinical trials have analyzed remarkable drugs for targeted and personalized therapy; however, the given drug treatment becomes inefficient due to the development of multidrug resistance.

We present a Special Issue which will collate papers aimed at identifying genetic markers that influence the outcome of various cancer treatments, including chemotherapy agents, chemoradiotherapy and radiation techniques. We invite papers that underscore the sophisticated treatment approaches as well as the relationships between accumulation of various cancer therapeutic agents and expression levels of target genes, thereby contributing to a better understanding and more effective treatment of cancer or malignant tumours.



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Special Issue



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Message from the Editor-in-Chief

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