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Cancer Genetics and Genomics

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Message from the Guest Editors

Dear Colleagues,

Cancer is one of the most complex diseases, and its early diagnosis and effective treatment is a permanent challenge. Both genomic and genetic approaches have decisively contributed to a better characterization of the malignant phenotype, the discovery of new biomarkers, and targeted therapies, especially with the advent of new technologies such as next-generation sequencing at both DNA and RNA levels. However, new data are necessary to complete the big puzzle of molecular alterations that underlie cancer development and its treatment resistance. Moreover, new insight into cancer–host cohabitation needs to be decoded in order to better understand if and how the corrupted host cells could be targeted to improve cancer treatment management.

One useful approach in cancer management is to use liquid biopsy for identifying new biomarkers such as specific methylation or mutation patterns, or the presence of gene expression alteration of circulating RNAs (miRNAs, circRNAs, lncRNAs).

As Guest Editors of this Special Issue, we cordially invite you to contribute one or more research or review papers focused on genomic or genetic approaches in cancer.



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Special Issue



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Message from the Editor-in-Chief

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