



BioTech



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Biomarkers in the "Omics" Era

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Message from the Guest Editors

The rapid development of high-throughput technologies has opened up a new “omics” era providing an unprecedented opportunity for scientists and clinicians to gain deeper insights into cancer molecular mechanisms, even at single cell resolution. The analysis and integration of the data arising from these methodological approaches is revolutionizing daily clinical practice, moving the cancer precision medicine paradigm forward. In this scenario, the identification of tissue and circulating molecular biomarkers with high sensitivity and specificity to be employed for diagnosis, prognosis, and treatment prediction will undoubtedly benefit cancer patients, but only few have been successfully implemented into the clinic.

This Special Issue of *BioTech* includes research articles, short reports, and reviews focused on the employment of “omics” (e.g., genomics, epigenomics, transcriptomics, proteomics, metabolomics, lipidomics, microbiomics) technologies for cancer biomarker development both at translational and clinical level.



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