



Epigenetic Genes, Biomarkers and Immunotherapy in Cancers

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Message from the Guest Editors

Immunotherapies that boost the immune system response against cancer cells show promising effects in experimental and clinical setups including immune checkpoint blocking antibodies, chimeric antigen vector (CAR) T cells, vaccines based on dendritic cells or engineered cancer cells, etc.

Epigenetic modifications (i.e., DNA methylation, histone modifications, and ncRNAs) shape the transcriptional profile of tumor and immune cells, affecting tumor-immune system interactions. Epigenetic modifications within specific immune-related loci may act as biomarkers of the immunotherapy response but may also serve as targets supporting immunotherapy.

In this Special Issue, we invite the original papers, reviews, comments, and other article types that focus on epigenetic genes and modifications that may modulate the response to tumor immunotherapy. We welcome the papers focused on the epigenetic genes or machineries that may affect tumor-immune interactions, epigenetic biomarkers that may guide immunotherapy management, and epigenetic targets and drugs that may reinforce immunotherapies.





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Message from the Editor-in-Chief

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