



Epigenetic Genes, Biomarkers and Immunotherapy in Cancers

Guest Editors:

Dr. Urszula Oleksiewicz

Department of Cancer
Immunology, Poznan University
of Medical Sciences, Rokietnicka
8, 60-806 Poznan, Poland

Prof. Dr. Andrzej Mackiewicz

1. Department of Medical
Biotechnology, Poznan University
of Medical Sciences, 61-866
Poznan, Poland
2. Department of Cancer
Diagnostics and Immunology,
Greater Poland Cancer Center,
61-866 Poznan, Poland

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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.

Dr. Urszula Oleksiewicz
Prof. Dr. Andrzej Mackiewicz
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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
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