

Special Issue

The Role of Genetic and Epigenetic Aberrations in Cancer

Message from the Guest Editor

In recent decades, the combination of various high-throughput technologies and functional studies have identified and validated signaling pathways that are dysregulated in certain tumor types. Oncogenic mutations, genetic rearrangements, and epigenetic alterations leading to remodeled transcriptional activity and altered protein expression contribute to the malignant behavior of tumor cells. Genome-wide profiles of different tumor entities have revealed that similar mutations originally attributed to only one entity are also present in tumors at other anatomical sites. The identification of biomarkers and therapeutic targets have shown unprecedented efficacy in some cancers and marginal success in others. Thus, identifying patient subgroups that respond to molecular targeted therapies and elucidating primary resistance mechanisms by integrating molecular profiling and histopathological characteristics are important components to increase treatment efficacy and provide more precise therapeutic options.

Guest Editor

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Deadline for manuscript submissions

closed (16 November 2022)



Cancers

an Open Access Journal
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Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed



mdpi.com/si/104414

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About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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