

Special Issue

Cancer Genetics and Epigenetics: Their Roles and Clinical Implications

Message from the Guest Editors

Tumor cells undergo critical genetic and epigenetic changes in cancer development and progression. Genetic mutations and alterations in the DNA sequence of specific genes can contribute to the development of cancer by disrupting normal cellular functions.

Meanwhile, epigenetic (and epitranscriptomic) modifications such as DNA methylation, histone modifications, and RNA methylation can also affect cancer development by altering gene expression without changing the DNA sequence. Understanding the distinct roles of genetics and epigenetics in cancer is critical for developing targeted and effective therapies.

This Special Issue aims to focus on the genetics and epigenetics of cancer and their clinical implications for cancer diagnosis and treatment and highlight recent advances in understanding the molecular mechanisms underlying the interplay between cancer genetics and epigenetics. Original research articles, reviews, and perspectives covering a broad range of topics, from the identification of novel oncogenic drivers and epigenetic modifiers to the development of innovative diagnostic and therapeutic strategies, are welcome. We look forward to receiving your contributions.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Cancers (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its 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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