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Class 2 Tumor Suppressor Gene Pathways for Therapeutic Applications in Hard-to-Treat Cancers

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Message from the Guest Editor

Hard-to-treat (HTT) cancers are a group of malignant tumors that are difficult to treat with conventional cancer treatments such as surgery, chemotherapy or radiotherapy. These cancers are typically more advanced or aggressive and are more likely to recur after treatment, resulting in poor prognosis. Examples of HTT cancers are pancreatic cancer, liver cancer, ovarian cancer, brain tumors, esophageal cancer and some types of blood cancer, such as multiple myeloma.

This Special Issue will investigate to what extent the challenging treatment of HTT tumors could be complemented by epigenetic cancer therapies in the future. The focus will be on new approaches resulting from the understanding of epigenetic signaling pathways in the cancer cell. Of particular relevance here are class 2 tumor suppressor genes, which are silenced in tumors at the level of promoter DNA methylation. The Special Issue is intended to contribute to finding new ideas and starting points for the epigenetic therapy of HTT cancers. A first concept for this strategy has already been published by the Guest Editor recently: <https://www.mdpi.com/2072-6694/14/18/4386>.



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Special Issue



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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.

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