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Mitochondria Metabolism and Cancer Therapy

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Message from the Guest Editors

Dear Colleagues,

Cancer is one of the most devastating and intractable diseases. Alterations of cellular metabolism, in particular of glycolysis and mitochondrial metabolism, are recognized hallmarks of most types of cancer. Adaptation of the cellular metabolism in cancer provides the necessary energy and building blocks for macromolecules, which are essential for cell proliferation. Mitochondria also regulate redox and calcium homeostasis, participate in transcriptional regulation, and govern cell death. Therefore, therapies targeting diverse mitochondrial metabolic functions have emerged as a novel potent option to enhance the efficacy of established anti-cancer treatments such as radio- and chemotherapy as well as immunotherapy. This Special Issue of *Cancers* will include the latest research on mitochondrial metabolism in cancer and the cancer microenvironment with a focus on the therapeutic potential of targeting mitochondrial metabolism for cancer therapy.

Prof. Dr. Barbara Kofler

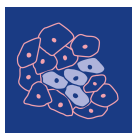
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Guest Editors



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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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