Special Issue

Inflammation and Metabolism of Cancers

Message from the Guest Editor

Cancer cells characteristically exhibit a metabolic shift toward aerobic glycolysis, a phenomenon often referred to as the "Warburg effect", thereby creating an acidic tumor microenvironment (TME). This acidic TME and related metabolic changes not only support cancer cell survival and proliferation, but also cause inflammation and shape the immune profile of the tumor. Furthermore, these factors contribute to multidrug resistance. Understanding these complex relationships opens new therapeutic avenues, underscoring the importance of managing these metabolic changes and associated inflammatory responses to control cancer progression. Therefore, strategies addressing the key aspects of cancer-specific metabolism, such as the acidic TME, as well as anti-inflammatory approaches, could be crucial in cancer management. Further research in these areas aims to deepen our understanding of these mechanisms and their potential implications for cancer treatment.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)

Cancers

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed

mdpi.com/si/177807

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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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