



Inflammation and Metabolism of Cancers

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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