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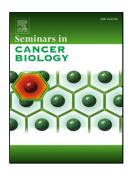
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The Impact of Tumor Cell Metabolism on T Cell-Mediated Immune Responses and

Immuno-Metabolic Biomarkers in Cancer

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The role of adaptive immunity is increasingly recognized as an important element

both in the process of tumorigenesis and in the patient's response to treatment. While

this understanding has led to new therapeutic strategies that potentiate the activities

of tumor infiltrating lymphocytes, only a minority of patients attain durable responses.

Metabolic activities in the tumor microenvironment, including hypoxia and acidity, can

adversely affect immune responses, making the identification of metabolic

biomarkers critically important for understanding and employing immunotherapies.

Keywords: TIL; immunotherapy; cancer metabolism; hypoxia; metabolic biomarkers

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