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Immuno-Metabolic Crosstalk in Oncogenesis

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Message from the Collection Editor

Dear colleagues,

Altered cellular metabolism and immunosuppression in the tumor microenvironment became emerging hallmarks of cancer. Oncometabolites are needed to sustain tumor cell survival, growth, and proliferation by fulfilling the energetic needs and providing the raw materials and signaling molecules for many oncogenic pathways. Some are capable of driving immune cell polarization toward immunosuppressive and cancer-tolerant isotypes. The main focus of this Topical Collection is the crosstalk between these two hallmarks in the context of oncogenesis. Decoding this subtle crosstalk at the molecular and cellular levels is a prerequisite for the discovery of more effective combinatory therapeutic approaches targeting immuno-metabolism of cancers.

I am seeking all topics relevant to metabolic defect, adaptation, nutritional addiction of cancer cells, and modulation of tumor-targeted immune responses.



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Topical Collection



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Message from the Editorial Board

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