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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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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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