

Special Issue

Amino Acid Transporters and Signaling in Cancer

Message from the Guest Editors

Metabolic reprogramming in cancer is recognized as a common and integral component of multistep tumorigenesis. Among nutrients, amino acids are central to growth signaling and cellular stress responses; likewise, the cellular machinery involved in delivering and sustaining the amino acid ecosystem is often altered in the course of cancer metabolic reprogramming. As such, amino acid transporters, metabolic enzymes, and signaling proteins are actively investigated as potential targets for cancer therapies. This Special Issue of the *International Journal of Molecular Sciences* focuses on the role of amino acid transporters and linked signaling proteins involved in cell-autonomous cancer growth and tumorigenesis. Papers are sought particularly in the area of transporter targeting and its effects on metabolism, growth, and stress response signaling in cancer cells and the tumors that they spawn. This rapidly emerging area of research is poised to be an integral component of advances in cancer therapy either directly, or as an adjuvant, as we move into the 2020s.

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