



Exploration of Homocysteine Metabolism in Cancer and Petechial Therapeutic Targets

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Message from the Guest Editors

Dear Colleagues,

One-carbon metabolism via the methionine cycle is essential during nucleotide synthesis, methylation, and reductive metabolism, and this pathway supports the high proliferative rate of cancer cells. Cancer cells require a constant supply of methionine from external sources (also known as the Hoffman effect), suggesting that possibly cancer cells need increased demand for metabolites derived from the one-carbon metabolism pathway. To understand this fact, we need to decode the metabolites that are generated from this one-carbon metabolism cycle.

We invite researchers to contribute to this Special Issue who are working on the generation and usage of one-carbon units in cancer. Original research articles or review articles on the innovative aspect of the exploration of possible future therapeutics that could exploit the dependency of cancer cells on one-carbon metabolism are welcome.





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Message from the Editor-in-Chief

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