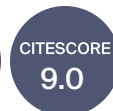




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Tumor Metabolism and Therapy

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Message from the Collection Editors

As we know, tumor cells have unique metabolism characteristics from normal cells, namely, that they highly rely on aerobic glycolysis to supply energy and a carbon source for survival and growth. This phenomenon is called the Warburg effect, which is associated with radio-resistance and chemo-resistance by generating a chemical reduction milieu (radio-resistance) and extracellular acid microenvironment (immunosuppression), activating DNA damage repair, triggering exosome release (expressing resistance protein), etc. In this case, the metabolism-based therapy will become precision and promising, such as glycolytic inhibitors and other energy inhibitors. However, many elaborate mechanisms related to tumor metabolism changes have yet to be solved.

Therefore, this Topical Collection focuses on the following items: (1) tumor metabolism mechanisms, (2) tumor resistance, (3) and metabolism-based therapy. We welcome the submission of research and review papers from all over the world.



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Message from the Editorial Board

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