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Unravel Metabolism and Resistance Mechanisms in Glioblastoma

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Glioblastomas are highly aggressive brain tumors, among the most deadly and incurable types of human cancer, which are greatly resistant to the standard treatments that are currently available. Cancer cells can metabolically adapt to changes in oxygen or nutrients in the microenvironment, making the dysregulation of cellular metabolism a hallmark of cancer, and a critical event in therapy resistance. Once identified, cellular metabolic susceptibilities could be exploited as novel therapeutic strategies.

In this Special Issue of *Metabolites*, we invite authors to submit contributions that provide novel findings in the field of glioblastoma. We plan to cover the latest advances in research on the basic mechanisms by which cellular metabolic reprogramming modulates cancer development and its role in the mechanisms of drug resistance, as well as the potential of repurposing drugs for glioblastoma-combined therapies. We welcome findings from basic research in both preclinical or clinical fields. Reviews that comprehensively highlight new findings in these field are also welcome.

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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Journal Rank: JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

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