



Mechanisms of Therapeutic Resistance in Glioblastoma

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Message from the Guest Editors

Glioblastoma is an aggressive brain cancer with a dismal prognosis. Single-cell sequencing approaches in the past decade have revealed the transcriptomic and epigenetic changes driving tumor evolution during treatment, providing insights for treatment resistance. Immunotherapies have been successful in other solid malignancies but have had limited success in GBM due to several resistance mechanisms leading to a pro-tumoral microenvironment. Anti-angiogenic therapies show modest benefits but ultimately lead to treatment resistance through the adaptation of tumor cells.

This Special Issue aims to address the advances in our understanding of how the biology of GBM tumor cells and the interactions between these tumors cells and the tumor microenvironment drive therapeutic resistance. We will also describe possible approaches to overcoming this resistance in order to improve patient outcomes.





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Message from the Editor-in-Chief

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