

## Special Issue

# Advances in Glioblastoma: Bridging Genetics, Epigenetics, Immunology and Pathophysiology to Advanced Therapies

### Message from the Guest Editors

Glioblastoma (GBM) stands as one of the most challenging brain tumors, representing a paradigm of complexity both in its nature and therapeutic resistance. Integral to this complexity is the nuanced interplay of immunological responses and a myriad of biomarkers that help to characterize the tumor's distinct attributes. Behind this intricate network lies an array of genetic mutations, epigenetic modifications, unique pathophysiological conditions, and immune responses that not only dictate the tumor's behavior but also influence the surrounding brain environment. We invite researchers and clinicians to present their original research manuscripts and review articles that present genomic, epigenomic, pathophysiological, immunological, and biomarker-centric data to develop a comprehensive understanding of GBM. We are particularly interested in research that elucidates the role of genetic and epigenetic factors, as well as immunological interactions and biomarkers, in GBM progression, the impact of the GBM microenvironment on therapeutic strategies, and the innovative methodologies employed to piece together this complex puzzle.

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### Deadline for manuscript submissions

closed (20 September 2024)



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### Editor-in-Chief

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