

Special Issue

Genomics of Glioblastoma: Advances in Diagnosis, Treatment Strategies, and Prognostication

Message from the Guest Editors

Glioblastoma multiforme (GBM) remains one of the most challenging cancers to treat due to its aggressive nature, high heterogeneity, and resistance to conventional therapies. This Special Issue aims to explore the latest developments in the genomics of GBM, focusing on how these insights can enhance diagnosis, prognosis, and treatment strategies. We invite contributions that delve into genomic alterations and their clinical implications, discussing the identification of key genetic mutations, such as those in IDH1, TP53, and TERT genes, and their impact on patient outcomes. Additionally, we seek articles on molecular subtyping, exploring novel molecular markers and their influence on treatment decisions. Immunotherapy and genomic targeting are also of interest, with studies on how genomic data can inform strategies like immune checkpoint inhibitors, CAR-T cell therapy, and personalized vaccines. Epigenetics and resistance mechanisms, particularly DNA methylation patterns and their role in chemotherapy resistance, are crucial topics. Join us in this endeavor to advance the field and improve patient outcomes through the lens of genomics.

Guest Editors

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Deadline for manuscript submissions

closed (5 July 2025)

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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