

Special Issue

Frontiers in Glioma Pathobiology

Message from the Guest Editor

Glioblastoma is a high-grade diffuse glioma and the most frequent primary intraparenchymal brain tumor. To this day, treatment is a challenge and survival relatively poor. Therapy resistance stems from the pathobiological characteristics of diffuse gliomas, starting from the sanctuary generated by the blood–brain barrier preventing drug and immune cell cytotoxicity to resistance to radiotherapy due to genetic, epigenetic, DNA damage response and signal transduction mechanisms, cancer cell invasiveness and interaction with the microenvironment, and tumor heterogeneity and reprogramming. In this Special Edition, experts in the field are invited to share a brief overview of the current knowledge on diffuse glioma pathobiology, as well as to highlight their forefront research findings and propose actionable biological and molecular vulnerabilities for these tumors deriving from their own research.

Guest Editor

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