Special Issue

Cellular Origin of Glioma: From Triggers to Treatments

Message from the Guest Editor

An aggressive primary brain tumour, glioblastoma (GBM), is the most common cancer of the central nervous system in adults. However, an inability to identify its cell of origin has been a fundamental issue hindering further understanding of the nature and pathogenesis of GBM, as well as the development of novel therapeutic targets. Researchers have hypothesized that GBM arises from the accumulation of somatic mutations in neural stem cells (NSCs) and glial precursor cells that confer selective growth advantages, leading to uncontrolled proliferation. Understanding the cellular origin of gliomas and the lineage hierarchy of GBM is crucial for accurate diagnosis, effective treatment, and patient outcomes.

- glioblastoma
- brain tumour
- tumour heterogeneity
- targeted therapy
- glioma stem cells

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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