Special Issue

Molecular Mechanisms and Therapeutic Interventions of Glioma

Message from the Guest Editor

Glioma is the most severe and fatal form of brain cancer in adults. Although growing understanding of the various mechanisms of intra- and intertumoral heterogeneity, immunosuppressive microenvironment, acquired resistance to the conventionally induction of apoptosis, clinical trials in the field are still largely disappointing. Genetic alterations and extrinsic environmental factors have been confirmed to promote tumor surveillance and disease progression. Moreover, there is increasing evidence that multi-organ crosstalk, such as microbiota-gut-brain axis, affect the molecular biological properties of gliomas. Clarifying these complex mechanisms are inevitably necessary to identify novel therapeutic targets and strategies. Alternatively, the emergency of other non-canonical lysosome-dependent or independent cell death mechanisms, encourage the discovering new therapeutic opportunities, beyond the conventional therapies. Furthermore, organoids are important platform for discovering the diagnosis biomarker, potential therapeutic treatments, progressive physiological characteristics and molecular mechanisms of glioma.

Guest Editor

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Deadline for manuscript submissions

closed (10 July 2023)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/146651

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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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