Special Issue

Molecular Basis of Brain Tumors

Message from the Guest Editors

Brain tumors, the neoplastic disease derived from the central nervous system (CNS), are highly heterogeneous diseases, reflected by their diversified genetics, morphology, and disease outcome. Primary brain tumors are derived from a variety of cellular origins in the CNS, which exhibit distinctive phenotypes, ranging from benign tumors (e.g. pituitary adenoma and hemangioblastoma) to highly aggressive cancers (e.g. glioblastoma, gliosarcoma, and diffuse intrinsic pontine glioma). Advances in cancer genetics, cancer metabolomics and biomarker studies of brain tumors have led improved understanding of brain tumors. This Special Issue will cover the critical aspects of the molecular biology of brain tumors, including the conceptual advances in biochemistry, cancer biology, epigenetics, tumor microenvironment, and immuno-oncology. Original research articles and systemic reviews to these topics are cordially encouraged to comment on the cutting edges in brain tumor research and future directions.

Guest Editors

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Deadline for manuscript submissions

closed (1 June 2021)

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About the Journal

Message from the Editorial Board

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).