Special Issue

Cell Death Mechanisms and Therapeutic Opportunities in Glioblastoma

Message from the Guest Editor

Cell death(RCD) mechanisms, either induction or inhibition by specific therapeutic strategies, provide great opportunities for controlling the growth of glioblastoma multiforme, often simply called glioblastoma, the most malignant brain tumor in humans. Although there is an ever-increasing list of cell death mechanisms, about a half dozen of them (apoptosis, autophagy, ferroptosis, necroptosis, pyroptosis, and necrosis) are currently considered to be important for discovering new therapeutic opportunities in glioblastoma, which harbors heterogeneity, increasing its ability to adapt to the ever-changing adverse tumor microenvironment. The non-inflammatory or inflammatory RCD mechanisms encourage the exploration of the efficacy of multiple therapeutic opportunities that need a strong prospect of success in preclinical models of glioblastoma and in clinical trials in glioblastoma patients.

Original research articles of preclinical models and contemporary review articles that relate to this exciting topic of “Cell Death Mechanisms and Therapeutic Opportunities in Glioblastoma” are cordially invited for submission.

Guest Editor

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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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