Special Issue

Glioblastoma (GBM) Brain Tumor Invasion and Consequences on Diagnosis, Clinical Strategies and Therapy

Message from the Guest Editors

Glioblastoma is one of the most common primary brain tumors in adulthood and the most frequent glioma. To date, the best treatment for glioblastoma is surgery, followed by radiation therapy and chemotherapy with Temozolomide, however, considering the dismal prognosis related to its high malignancy even after this gold standard treatment, there are still many features to further clarify regarding the progression and recurrence of this disease. More specifically, recent fields of research regard the molecular behavior of Glioblastoma and the mechanism of healthy brain invasion and how the findings in this field affect clinical strategies. Manuscripts covering all aspects of research relating to Glioblastoma and the interaction between Glioblastoma and healthy brain tissues are welcome, including work from an applied perspective—such as novel diagnostics, use of new technologies, and innovations in the treatment of Glioblastoma—through to more fundamental questions relating to the biology of the disease and its pathogenesis, diffusion to surrounding tissues, and treatment.

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Neuroglia covers the critically important functions of the diverse range of cells within the nervous system that are collectively called glia. Our journal focuses on the development, function, and pathology of glia in the central and peripheral nervous systems, as well as how these cells can be used therapeutically to repair injuries and diseases of the nervous system. The journal welcomes research using the latest in vitro and in vivo animal and human research, with a view to its translation into potential human therapies.

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