Special Issue

Novel Therapeutic Strategies for Glioblastoma

Message from the Guest Editors

Adult glioblastoma is the most common and most aggressive type of primary brain cancer. It is a highly heterogenic cancer whose malignant cells are invasive and intrinsically resistant to any applied therapy. Despite numerous clinical studies that have been conducted in the last two decades, glioblastoma remains unresponsive to diverse available therapies (targeted molecular therapeutics, cellular and immune therapies, as well as alternating electrical fields). The standard procedure, dating from 2005, is surgical resection followed by radiotherapy with concomitant temozolomide chemotherapy; it has failed to prolong glioblastoma patient survival. Therefore, new therapeutic strategies that can overcome glioblastoma resistance and recurrence and improve patient survival are necessary. This Special Issue will assemble preclinical and clinical studies of novel therapeutic strategies for glioblastoma. In addition, reviews referring to glioblastoma research and therapy will be appreciated.

- glioblastoma
- novel therapeutic strategies
- preclinical models
- clinical studies
- resistance to therapy
- gene therapy
- stem cell therapy
- immunotherapy
- natural compounds

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Message from the Editor-in-Chief

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