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Central nervous system tumors and three-dimensional Cell Biology: Current and future perspectives in modeling

CNS Tumors and 3D Cell Biology

Abstract

Central Nervous System (CNS) tumors are a variety of distinct neoplasms that present multiple challenges in terms of treatment and prognosis. Glioblastoma (GBM), the most common primary tumor in adults, is associated with poor survival and remains one of the least treatable neoplasms. These tumors are highly heterogenous and complex in their nature. Due to this complexity, traditional cell culturing techniques and methods do not provide an ideal recapitulating model for the study of these tumors' behavior in

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