

Gliogenesis refers to the process of the generation and differentiation of glial cells, which are non-neuronal cells that provide support and protection to neurons in the central nervous system. The process of gliogenesis involves the specification of precursor cells to glial cell lineages, followed by their proliferation, migration, and differentiation into mature glial cells. Gliogenesis is crucial for the development and maintenance of the nervous system, as glial cells play important roles in regulating neuronal function, synapse formation and plasticity, and immune responses in the brain.

Dysregulation of gliogenesis has been implicated in a range of neurological disorders, including brain tumors, neurodegenerative diseases, and psychiatric disorders.

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