





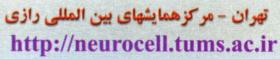


## First Annual Conference/Workshop on Neural Stem Cells 27-28 October 2011

**Seminar Abstracts** 

خلاصه مقالات نخستین کنفرانس و کارگاه سالیانه سلولهاي بنيادي عصبي

۶-۵ آبان ۹۰





























## The role of stem cells in brain tumor suppression

Seyed Noureddin Nematollahi-Mahani \*, Hossein Eskandary , Sepideh Mehravaran', Mohsen Basirf,

Among the brain tumors, glioma remains the most challenging solid organ tumor to treat successfully. Based on the capacity of stem cells to migrate extensively and target invading glioma cells, the transplantation of stem cells as a cell-based delivery system may provide additional tools for the treatment of gliomas. In addition to the use of modified stem cells for the delivery of therapeutic agents, unmodified stem cells have been shown to have growthsuppressing effects on tumors in vitro and in vivo. We will outline the probable factors involved in tumor growth and tumor tropism and suppression, with a specific focus on the use of unmodified stem cells in the treatment of gliomas.

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## Human embryonic stem cell-derived neural precursor transplantation promotes functional recovery in injured rat spinal cord

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## Objective:

The limited endogenous capacity of the spinal cord for repair and regeneration has directed the focus of preclinical trauma research toward the ways for prevention of cell death, cell transplantation or support of degenerating neurons. Several studies have exhibited

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