The invention describes a method based on a “miRNA Pool” to generate neurons from adult neural stem cells, while preventing the generation of glia. The present invention could be applied to prevent age-dependent loss of neurogenesis, or to avoid the pathological generation of undesirable cells such as activated glia upon trauma, epilepsy, or cell transplantation. Finally, another application of the present invention is related to the treatment of glioblastoma.

APPLICATIONS
Depression treatment, Glioma/glioblastoma treatment, Transplantation therapies, Regenerative therapies

KEYWORDS
Mammalian Brain, Neurodegeneration, Age-dependent cognitive loss, Brain trauma, microRNAs, Neural stem cells, Controlled neural differentiation

BIBLIOGRAPHIC DATA
Bi-stable scalable actuation mechanism based on electromagnetic adhesion
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