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(54) Title: NEURAL REGENERATING CELLS WITH ALTERATIONS IN DNA METHYLATION

(57) Abstract: Disclosed herein are cells, that are descendents of marrow adherent stem cells (MASCs), capable of rescuing and/or reversing various neural disorders after transplantation into sites of central nervous system (CNS) or peripheral nervous system (PNS) injury. The cells contain alterations in the methylation state of certain genes, compared to their methylation state in MASCs. Methods of making cells capable of rescuing and/or reversing various neural disorders after transplantation into sites of CNS or PNS injury, by alteration of the methylation status of certain genes, are also provided.



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