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(54) Title: THERAPEUTIC REPROGRAMMING, HYBRID STEM CELLS AND MATURATION



a



b

(57) Abstract: Therapeutically programmed cells and methods for making such cells are provided. Therapeutically programmed cells are stem cells which have been matured such that they represent either a more differentiated state or a less differentiated state after contact with stimulatory factors. The therapeutically reprogrammed cells are suitable for cellular regenerative therapy and have the potential to differentiate into more committed cell lineages. Additionally, hybrid stem cells suitable for therapeutic reprogramming and cellular regenerative therapy are provided.

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