LITERATURE REVIEW:

TO EVALUATE THE EPIGENETIC INFLUENCES ON SOMATIC CELL TRANSDIFFERENTIATION TO NEURONAL CELL

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ABSTRACT

Cell Based Therapy to replenish neural tissues has two approaches. One is to utilise the pluripotency of Stem Cells to grow neuronal cells. The other is to use Cell Trans-Differentiation. The objective of this review is to evaluate the relative importance of Epigenetic tweaking to cause neuronal Trans-differentiation. The results showed that a combination approach using neuro-active factors, growth factors, transcription factors and epigenetic tweaking appeared to be the best approach.