

# 2<sup>nd</sup> International Conference on Endocrinology Disorders, Diabetes Complications and Hypertension

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## **SC - SBL redirect stem cell growth by using single beam laser and apply the appropriate conditions to produce modified cancer attacking gene**

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Redirect stem cell growth by using single beam laser and apply the appropriate conditions to produce modified gene can attack cancer cells at any stage. The stem cell which is axis of study is obtained from 8 day blastocyst (Embryonic stem cells which is Totipotent) and it is also defined by the expression of several transcription factors and cell surface proteins. The transcription factors Oct-4, Nanog, and Sox2 form the core regulatory network which ensures the suppression of genes which lead to differentiation and the maintenance of pluripotency. The cell surface antigens most commonly used to identify hES cells are the glycolipids stage specific embryonic antigen 3 and 4; and the keratan sulfate antigens Tra-1-60 and Tra-1-81. By using human embryonic stem cells to produce specialized cells and treating it with special technique, then applying the standard scaffold with special characters, the aim is to produce gene which can attack the growing cancer cells at any stage. The study put focus on replacing the P53 — site which control process of apoptosis. The study has two major dimensions, first, is physical one "using the idea of remote control" as you can manage the acne behavior physically with changing special frequency. Second, chemical side, by using specific enhancers and inducers during the flux of the modified gene.

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