

Name: Manisha Singh

Designation: Ph.D. Scholar

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Research area: My Ph.D. thesis focuses on generating dopaminergic (DA) neurons *in vitro* by using various neuronal inducers. I am trying to find out a neuronal inducer which is cost effective and yields dopaminergic neurons which are morphologically similar in appearance to the native neurons, express definitive markers and are functionally active. I also intend to find out the effect of these *in vitro* generated DA neurons in Parkinson's Disease animal model.

Publications:

1. Sushmita Bose, Sujata Mohanty, Manisha Singh, Madhuri Behari and Balram Airan. Fibroblast Growth Factor-2 alone as an efficient inducer for differentiation of human bone marrow mesenchymal stem cells into dopaminergic neurons. *Journal of Biomedical Science* 2014, 21:83 doi:10.1186/s12929-014-0083-1.

Awards:

1. Awarded National Eligibility Test- Junior Research Fellowship, 2010.
2. Third prize in poster presentation in 15th Indo- US Flow Cytometry workshop on Stem Cells- 2014, held at Institute of Liver and Biliary Sciences, New Delhi on 27th & 28th October, 2014.