

# TOWARDS A BLUEPRINT FOR BUILDING THE BRAIN



A talk by Prof. Shubha Tole, Tata Institute of Fundamental Research  
**Tuesday, April 19, 2011 at 4.30 p.m.**

Seminar Room (PF AG 14), Prefabs, Near Annabhau Sathe Bhavan  
University of Mumbai, Vidyanagari Campus, Kalina

The brain, a complex, powerful organ, arises from a simple sheet of tissue in the embryo. Exciting findings have emerged about the genetic mechanisms which bring about the development of the brain and create a highly evolved, complex structure. We have uncovered a fundamental mechanism that acts to create the cerebral cortex, the seat of our highest cognitive and perceptual functions such as sensory perception, language, learning and memory.

Prof. Shubha Tole obtained her B.Sc. From St. Xavier's College, Mumbai and M.Sc. and Ph.D. from Caltech, USA. Currently she is a Faculty member at TIFR, Mumbai. She has been awarded the Shanti Swarup Bhatnagar Award in 2010; the Research Award for Innovation in Neurosciences (RAIN) by the Society for Neuroscience in 2008, the National Woman Bioscientist award by the Department of Biotechnology, Govt. of India (2008), the Swarnajayanti Fellowship by the Department of Science in Technology, Govt. of India (2005), and the Wellcome Trust Senior International Fellowship (1999). She has several publications in leading International Journals.

Colloquium organised by  
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