

TUESDAY COLLOQUIUM

Alzheimer's and Parkinson's: Sticky issues about sticky protein

Prof. Sudipta Maiti, TIFR

Prof. Sudipta Maiti graduated from IIT Kanpur in 1987 and got a Ph.D. in Biophysics from the University of Pennsylvania in 1994. He worked on femtosecond laser spectroscopy of biomolecules and applied this knowledge to better the spatial resolution in optical microscopy and discovered a method to visualize neurotransmitters in live cells. He joined TIFR in 1998, where he is currently an Associate Professor. His research has focused on unearthing the puzzle of protein aggregation which affects neuronal function, and his passion is to develop new optical tools which help in investigating biophysical puzzles.

He has been a recipient of the Wellcome Trust (UK) International Senior Research Fellowship in 2000 and the SICO National Instrumentation Award (awarded by the National Academy of Sciences, India) in 2001.

Why do dreadful brain disorders such as Alzheimer's and Parkinson's come with old age? The answer: some of our proteins become sticky, gang up and declare a mutiny. Why do they behave like that? How can we probe this unexpected facet of proteins at the molecular level? How far are scientists from quelling this mutiny? I will be trying to answer some of these issues in this talk.

Tuesday, September 6, 2011 at 3.45 p.m.
Seminar Room, Prefabs, Near Annabhau Sathe Bhavan
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