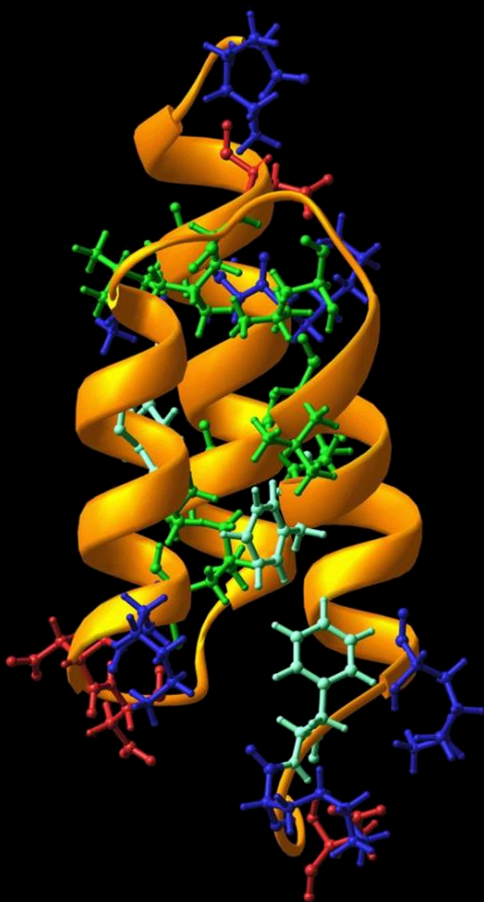


Tuesday COLLOQUIUM

THE SELF-PACKING PROTEIN PUZZLE: HOW DO PROTEINS FOLD AND UNFOLD?

by Prof. Jayant Udgaonkar, NCBS-TIFR, Bengaluru



In every cell, every second, thousands of proteins self-pack into unique shapes that hold the key to their function. These rearrangements are determined by chemical attractions between the amino acid residues. A predictive model for protein structure remains one of science's holiest grails, promising incredible benefits throughout the biomedical sciences. Do proteins take shape gradually or in fits and starts? Is there only one folding sequence for each protein? How sensitive is folding to cellular conditions? What comes first - an "outline" of the shape or its details?

Tuesday, 12 October 2010 at 4.30 p.m.

Seminar Room, PF AG 14

Prefabs, Near Annabhau Sathe Bhavan

University of Mumbai, Vidyanagari Campus, Kalina, Mumbai 400098