

# **Students' Annual Seminar**

## **Study of Conformational Heterogeneity in Cytochrome P450**

### **Bhupendra Dandekar**

Cytochrome P450 is the major enzyme family which is responsible for metabolism of almost all drugs and xenobiotics in spite of large variations in their structure. The reason behind substrate specificity is presence of large conformational changes (dynamics) in the CYPp450. These conformational dynamics are important in substrate access and recognition. We would like to study the conformational heterogeneity present in CytochromeP405 enzymes by comparing to different proteins with similar sequence but different structure.

***Friday, Mar 23<sup>rd</sup> 2018***

***04:00 PM (Tea/Coffee at 03:30 PM)***

***Seminar Hall, TIFR-H***