

# School on Advanced Biological Inorganic Chemistry

Nov 2-3, 2009

## Programme

VENUE: Lecture Theatre , TIFR Monday Nov 2, 2009			
9:00	9:30		INAUGURATION
9:30	10:15	J.S. Valentine (2)	Superoxide dismutases
10:15	10:45		TEA
10:45	11:30	S. Sarkar (54)	Evolutionary bioinorganic chemistry
11:30	12:15	B. Ludwig (5)	" How to ... " introduce a specific mutation and express the variant protein - a quick guide through some current mol.biol. techniques
12:15	13:00	S. Sarkar (54)	Evolutionary bioinorganic chemistry
13:00	14:00		LUNCH
14:00	17:00	LAB/TEA	Protein purification, Characterization of proteins by UV-vis spectrometry, Circular Dichroism spectrometry, Protein Mass Spectrometry and Protein Electrochemistry
17:15	18:45		GROUP DISCUSSION

<b>VENUE: Lecture Theatre , TIFR Tuesday Nov 3, 2009</b>			
9:00	9:45	S. Mitra (100)	Structural dynamics and function of metalloproteins
9:45	10:30	M. Chikira (045)	DNA-fiber EPR spectroscopy to study DNA-metal complex interaction
10:30	11:00	TEA	
11:00	11:45	S. Mitra (100)	Cell toxicity and Metalloenzymes
11:45	12:30	N. Metzler-Nolte (98)	Bioorganometallic chemistry: from ancient enzymes and cofactors to drugs of the future
12:30	13:15	T. Kitagawa (049)	Raman Spectroscopy in Biological Inorganic Chemistry
13:15	14:15	LUNCH	
14:15	15:00	T. Kitagawa (049)	Raman Spectroscopy in Biological Inorganic Chemistry
15:00	15:45	Russ Hille (007)	Introduction to enzymology
15:45	16:15	TEA	
16:15	17:00	Russ Hille (007)	Introduction to enzymology
17:15	18:00	J.E. Penner-Hahn (037)	Biological X-ray Spectroscopy
18:00	18:45	GROUP DISCUSSION and CONCLUDING REMARKS	