

## Discussion Meeting on Biological Membranes (March 16 - 17, 2012)

Venue : Seminar Hall, Department of Chemical Engineering, IISc Bangalore

### Day 1: March 16, 2012

#### Session - I 09:30 - 12:20

09 : 30 - 10 : 20	Amit Chattopadhyay	CCMB Hyderabad	Current Excitements and Challenges in Membrane Biology
10 : 20 - 11 : 10	Raghunathan V. A	RRI Bangalore	Influence of Sterols on the Structure and Phase Behaviour of Phospholipids.
11 : 10 - 11 : 30	Coffee break		
11 : 30 - 12 : 20	Pradeep S and Vaidyanathan M. S	IISc Bangalore	Pore Forming Toxins: Overview and Recent Lysis Experiments and Modeling
12 : 20 - 14 : 00	Lunch		

#### Session - II 14:00 - 16:50

14 : 00 - 14 : 50	Durba Sengupta	NCL Pune	Interactions of the Serotonin 1A Receptor with Cholesterol Enriched Membranes.
14 : 50 - 15 : 40	Swarna M Patra and Rajat Desikan	IISc Bangalore	Atomistic and Coarse Grained Simulations of ClyA with Membranes
15 : 40 - 16 : 00	Coffee break		
16 : 00 - 16 : 25	K Subba Rao	IISc Bangalore	Influence of Supports on Phase Transitions in Lipid Bilayers
16 : 25 - 16 : 50	Xavier Prasanna	NCL Pune	Effect of Cholesterol on Dimerization of Serotonin 1A Receptors in Lipid Bilayer: A Coarse-Grained Study

### Day 2: March 17, 2012

#### Session - I 09:00 - 11:50

09 : 00 - 09 : 50	Jaydeep Basu	IISc Bangalore	FCS and STED Microscopy for Biological Membranes
09 : 50 - 10 : 40	Ayush Agarwal and Rupak Bhattacharya	IISc Bangalore	Preparation of Supported Membranes and Atomic Force Microscopy to Study ClyA Pore Formation
10 : 40 - 11 : 00	Coffee break		
11 : 00 - 11 : 50	Ganapathy Ayappa	IISc Bangalore	Mechanical Properties of Membranes – Experiments and Theory