

Discussion Meeting on Biological Membranes
14 - 15 March 2014,
Co-organized by: Department of Chemical Engineering and Bioengineering Program
Indian Institute of Science, Bangalore

14 March 2014 (Friday)		
Time	Speaker	Title of The Talk
09:50 - 10:00	Introduction	
10:00 - 10:40	Amitabha Chattopadhyay CCMB, Hyderabad	Membrane-based Strategy to Control Entry of Pathogens into Host Cells
10:40 - 11:10	Rajat Desikan & Ayush Agrawal IISc, Bangalore	Lipids on the Run: A Mechanism for Membrane Pore Formation by the Channel Forming Toxin Cytolysin A
11:10 - 11:40	Tea	
11:40 - 12:20	Shivaprasad Patil IISER, Pune	Membrane Mechanical Properties using Atomic Force Microscope
12:20 - 12:50	Pradeep IISc, Bangalore	C - Terminal Mutagenesis to Reveal ClyA - Membrane Pore Formation Pathway
12:50 - 02:00	Lunch	
02:00 - 02:40	Narendra Dixit IISc Bangalore	Pathways of the Entry of Viruses into Cells
02:40 - 03:10	Subba Rao IISc, Bangalore	Molecular Dynamics Study of Dendrimer - Membrane Interactions
03:10 - 03:30	Tea	
03:30 - 04:10	Rahul Roy IISc, Bangalore	Probing Virus Membrane Fusion by Flaviviruses
04:10 - 04:50	Thomas Pucadyil IISER, Pune	Kinetic Intermediates in Dynamin-catalyzed Membrane Fission
04:50 - 05:15	Nupur Biswas IISc, Bangalore	Lipid - Nanoparticle Interaction
15 March 2014 (Saturday)		
10:00 - 10:40	Ganapathy Ayappa IISc, Bangalore	Crowded Membranes: Implication for Theory & Experiments
10:40 - 11:20	Durba Sengupta NCL, Pune	Using Coarse-Grain Simulations to Probe GPCR Organization: Association of the Serotonin 1A Receptor in Lipid Bilayers
11:20 - 11:40	Tea	
11:40 - 12:20	Raghunathan V. A. RRI, Bangalore	Phase Separation in Lipid-Sterol Membranes
12:20 - 01:00	Anand Srivatsava University of Chicago	Using Transformative Coarse-Graining Methods to Unravel Sub-Cellular and Cellular Processes in Biological Systems at Multiple Length and Time Scales