

**Day 1 (Thursday, 29<sup>th</sup> January, 2015)**

02:00 – 04:00 PM	Registration
04:00 – 04:15 PM	Welcome Address by: Dr. Piyali Mukherjee ( <i>PU, Kolkata</i> ), <i>Organizing secretary, Symposium Committee</i>
04:15 – 04:30 PM	Introduction of DBS by: Prof. Sabyasachi Bhattacharya
<b>SESSION 1: Diversity and Dynamics of molecules and system</b>	
04:30-05:20 PM	Keynote Speaker: Gaiti Hasan “Drosophila flight: an invertebrate model for motor coordination”
05:20 – 05:50 PM	Speaker 2: Suvendra N. Bhattacharyya ( <i>IICB, Kolkata</i> ) “The power of a tiny RNA: microRNA-mediated gene regulation in mammalian cells”
05:50- 06:20 PM	Speaker 3: Sandhya P Koushika ( <i>TIFR, Mumbai</i> ) “Regulation of synaptic vesicle transport”
<b>DINNER</b>	

**Day 2 (Friday, 30<sup>th</sup> January, 2015)**

08:00 – 09:30 AM	Registration
08:30 – 09:30 AM	Breakfast
<b>SESSION 2: Basic and Translational Oncology- from Bench to Bedside</b>	
09:30 – 10:20 AM	Keynote Speaker: Vaskar Saha ( <i>TMC, Kolkata</i> ) “Improving Outcomes in Cancer – Translational Lessons from Childhood Lymphoblastic Leukaemia”
10:20 – 10:50 AM	Speaker 6: Samit Chattopadhyay ( <i>NCCS, Pune</i> ) “Alternative splicing and its implications in cancer metastasis”
10:50 – 11:20 AM	Speaker 7: Lolitika Mandal ( <i>IISER, Mohali</i> ) “Identification and Characterization of Active Hematopoietic Hub in Drosophila Adult”
<b>TEA BREAK</b>	
<b>SESSION 3 The Balance of Nature: system stability</b>	
11:30 – 12:20 PM	Keynote Speaker: Raghavan Varadarajan ( <i>IISc, Bangalore</i> ) “Protein structure, stability and folding analysed using mutational sensitivity derived from deep sequencing”
12:20 – 12:50 PM	Speaker 9: Dipankar Chatterjee ( <i>IISc, Bangalore</i> ) “Sigma Switching and Transcription”

12:50 – 01:20 PM	Speaker 10: Anuradha Lohia ( <i>PU, Kolkata</i> ) “The Uncertainty of Survival”
<b>LUNCH</b>	
01:20 – 03:00 PM	POSTER Session I
<b>SESSION 4 : Structural Biology &amp; Bioinformatics of molecules and systems</b>	
03:00 – 03:50 PM	Keynote speaker: Pinak Chakrabarti ( <i>BI, Kolkata</i> ) “Analysis of protein structures – identification of a new turn, and redefining the buried surface area in complexes”
03:50 – 04:20 PM	Speaker 12: Arockiasamy Arulandu ( <i>ICGEB, New Delhi</i> ) “Sexual rivalry among conjugative plasmids”
04:20 – 04:50 PM	Speaker 13: Harsha Gowda ( <i>IOB, Bangalore</i> ) “Decoding genomes using proteomics and bioinformatics”
<b>SESSION 5: Mechanisms and targets in disease biology</b>	
05:00 – 05:50 PM	Keynote Speaker: Dhruvajyoti Chattopadhyay ( <i>CU, Kolkata</i> ) “RNA Protein interactions in Chandipura virus life cycle”
05:50 – 06:20 AM	Speaker 15: Kaustuv Sanyal ( <i>JNCASR, Bangalore</i> ) “Determinants of centromere identity and kinetochore integrity”
06:20 – 06:50 PM	Speaker 16: Debashis Mitra ( <i>NCCS, Pune</i> ) “HIV-1 Tat protein: From viral transcriptional activator to regulator of cellular gene expression”
<b>DINNER</b>	
<b>Day 3 (Saturday, 31<sup>st</sup> January, 2015)</b>	
08:00-09:30 AM	Registration
08:30 – 09:30 AM	Breakfast
<b>SESSION 6: Molecules to system</b>	
09:30 – 10:20 AM	Keynote Speaker: L S Shashidhara ( <i>IISER, Pune</i> ) “Evolution of insect wing morphology: a systems biology approach”
10:20 – 10:50 AM	Speaker 18: Aurnab Ghose ( <i>IISER, Pune</i> ) “Tuning internal states to behavioural outputs”
10:50 – 11:20 AM	Speaker 19: Benu Brata Das ( <i>IACS, Kolkata</i> ) “Coupling PARP1 and TDP1 repair pathways: New therapeutic opportunities are on the horizon”
<b>TEA BREAK</b>	
<b>SESSION 7: Functional insights of microbial systems</b>	

11:30 – 12:20 PM	Keynote Speaker: Alok Bhattacharya ( <i>JNU, New Delhi</i> ) “Mechanism of phagocytosis in the protozoan parasite <i>Entamoeba histolytica</i> ”
12:20 – 12:50 PM	Speaker 21: Sujoy Dasgupta ( <i>BI, Kolkata</i> ) “Our viral ancestors and the evolution of replication systems”
12:50 – 01:20 PM	Speaker 22: Anand Bachhawat ( <i>IISER, Mohali</i> ) “ER Stress, Apoptosis and Glutathione degradation ....connecting the dots”
	<b>TEA BREAK</b>
01:30 – 02:20 PM	Concluding Note: Sumantra Chatterjee ( <i>NCBS, Bangalore</i> ) “To be or not to be afraid”
02:20 – 02:30 PM	Vote of Thanks: Abhik Saha, ( <i>PU, Kolkata</i> ), Convener, Symposium Committee
	<b>LUNCH</b>
02:30 – 04:00 PM	POSTER Session II