

PROGRAM

Venue: Faculty hall, Indian Institute of Science, Bangalore.

<u>February 7, 2016</u>			
Registration : 04.00 pm - 06.00 pm			
<u>February 8, 2016</u>			
Registration : 08.30 am- 09.15 am			
Chair Person	Schedule Time	Name & Affiliation	Title
	9.15 to 9.30	Chairman, MBU	Introductory Remarks
Session I Rajesh Gokhale	9.30 to 9.55	Pramod A Pullarkat Raman Research Institute, Bangalore	The role of microtubules in induced axonal beading and retraction.
	9.55 to 10.20	Linda J Kenney University of Illinois, Chicago, USA	Cytoplasmic Sensing by the EnvZ Histidine Kinase
	10.20 to 10.45	Michael Sheetz Mechanobiology Institute, Singapore	Local Pinching Controls Molecular-Level Rigidity Sensing
	10.45 to 11.05	Manindra Bera Saha Inst Of Nuclear Physics, Kolkata	Mechanoelastic properties of different lamin A domains and origin of the elastic nature of lamin A network
	11.05 to 11.30	TEA Break	
Session II M.K Mathew	11.30 to 11.55	R. Mahalakshmi Indian Inst of Science Education and Research, Bhopal	Living on the edge: Interface residues in membrane protein stability
	11.55 to 12.20	Saikrishnan Kayarat Indian Institute of Science Education and Research, Pune.	DNA shredding by ATP-dependent restriction-modification enzymes

	12.20 to 12.45	Durba Sengupta National Chemical Laboratory, Pune	Conformational dynamics of GPCR is dependent on membrane Cholestrol
	12.45 to 13.05	Harsha Bajaj Jacobs University Bremen, Germany	Quantification of antibiotic uptake through outer-membrane protein
	13.05 to 14.15	LUNCH	
	14.15 to 16.30	POSTERS + TEA	
	15.30 to 16.30	IBS GBM	
Session III	16.30 to 16.55	Chandrabhas Narayana Jawaharlal Nehru Centre for Adv Sci.Res, Bangalore	Tracing the small molecule interaction on enzymes regulating cell division using SERS and its implications
Anil Saran	16.55 to 17.20	N.Gautham University of Madras, Chennai	Twists and Turns: The multiple structures of an oligonucleotide
	17.20 to 17.45	RATNA PHADKE AWARD LECTURE	
		A.T. Sabareesan National Centre for Biological Sciences Bangalore	The pathogenic A116V mutation enhances the selective ion-channel activity of the prion protein in artificial and living cell membranes
	17.45 to 18.00	TEA Break	
Raghavan Varadarajan	18.00 to 19.00	GN RAMACHANDRAN LECTURE The Ramachandran Map: A Historical Perspective Prof. Chandrasekharan Ramakrishnan	
	19.30 to 20.30	DINNER	
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Session IV	9.30 to 9.55	Thomas Pucadyil Indian Inst of Science Education and Research, Pune	Membrane fission: Diverse players and mechanisms
V. Nagaraja	9.55 to 10.20	M. Michael Gromiha Indian Inst of Technology, Chennai	Integrating computational methods and experimental data for understanding the binding specificity of protein-protein complexes.

	10.20 to 10.40	Meenakshi Pradhan TCS Innovation Labs, Hyderabad	Structural dynamics of TPP Riboswitch
	10.40 to 11.00	Srinivasaraghavan Kannan Bioinformatics Institute (A*STAR), Singapore.	Long range recognition and selection in IDPs: the interactions of the C-terminus of p53
	11.00 to 11.30	TEA Break	
Session V Jayant Udganonkar	11.30 to 11.55	Aseem Ansari University of Wisconsin, USA	Specificity and Energy Landscapes guide the design of genome targeting drugs
	11.55 to 12.20	Jyotirmayee Dash Indian Association for the Cultivation of Science, Kolkata	Small Molecule Regulators of G-quadruplex DNA.
	12.20 to 12.45	Purnananda Guptasarma Indian Inst of Science Education and Research, Mohali	The ancillary molecular and cellular consequences of DNA-binding by the histone-like protein, HU
	12.45 to 13.05	Sanjeev Kumar Singh Alagappa University, Karaikudi	Theoretical Studies on HIV-1 Integrase Inhibition by Strand Transfer and LEDGF/P75 Binding Site Inhibitors
	13.05 to 14.15	LUNCH	
	14.15 to 16.00	POSTERS + TEA	
Session VI Samir K Brahmachari	16.00 to 16.25	E. Arunan Indian Inst of Science, Bangalore	Hydrogen bonding and hydrogen bond radii
	16.25 to 16.50	Rahul Banerjee Saha Institute Of Nuclear Physics, Kolkata	Self Complementarity in Proteins : Applications in Protein Folding and Validation
	16.50 to 17.10	R. N. V. Krishna Deepak Indian Institute of Technology Kanpur	A novel loop motif in proteins with N-H...N hydrogen bond involving a histidine imidazole ring
	17.10 to 17.40	TEA Break	

Session VII D.N.Rao	17.40 to 18.05	N. R. Jagannathan All India Inst of Medical Science, New Delhi	Magnetic Resonance Imaging (MRI) and in-vivo MR Spectroscopy (MRS) in Cancer
	18.05 to 18.25	Sudeepa Rajan National Institute of Immunology, New Delhi	Structural and functional significance of α -helix in the connecting region of Human guanylate binding protein -1
	18.25 to 18.45	Regur Phanindranath Centre for Cellular and Molecular Biology, Hyderabad	Study on variants of human Centrin-1 - a CaBP with a role in male infertility
	19.30 to 20.30	DINNER	
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Session VIII M.R.N Murthy	9.30 to 9.55	Ruchi Anand Indian Inst of Technology, Mumbai	Motional Dynamics in Protein-DNA Complexes
	9.55 to 10.20	Ashish Arora Central Drug Research Institute, Lucknow	Static and Dynamic Structural Characterization of Bacterial Peptidyl-tRNA Hydrolase and its Mutants.
	10.20 to 10.45	Rishikesh Narayanan Indian Inst of Science, Bangalore	Degeneracy in hippocampal physiology and plasticity
	10.45 to 11.05	R. Deepthi University of Madras, Chennai	Streptococcus pneumoniae surface protein PfbA and its interaction with fibrinogen and plasminogen
	11.05 to 11.30	TEA Break	
Session IX Preeti Joshi	11.30 to 11.55	Suman Kundu University of Delhi South Campus,	Novel features of an age-old classical paradigm biomolecule, hemoglobin, and applications thereof.
	11.55 to 12.20	Md. Imtiyaz Hassan Jamia Millia Islamia, New Delhi	Chemical-Induced Equilibrium Unfolding of Hereditary Hemochromatosis Factor E to Understand Molecular Mechanism of Iron-homeostasis

	12.20 to 12.40	Fatima Kamal Zaidi Jawaharlal Nehru University, New Delhi	EGCG binding to the native state of Human lysozyme modulates its fibrillation pathway towards large, off- pathway aggregates
	12.40 to 13.00	Rakesh Ramachandran Indian Institute of Science, Bangalore	Structural and Mechanistic Insights Into Splicing Factor SF3b Complex
	13.00 to 14.15	LUNCH	
Session X B.Padmanabhan	14.15 to 14.40	Nagasuma Chandra Indian Inst of Science, Bangalore	HLA polymorphism and disease susceptibility to Influenza H1N1: A multi-scale modelling study
	14.40 to 15.00	T.S.Girish National Centre for Biological Sciences Bangalore	Multivalent interactions by the Set8 histone methyltransferase with its nucleosome substrate
	15.00 to 15.20	Venuka Durani Goyal Indian Inst of Technology, Bombay	Effect of Phylogeny on Fitness of Consensus Enzymes: Studies on SOD1 and TIM families
	15.20 to 16.00	Vote of Thanks & Poster Prizes Distribution	
High Tea & Farewell			