



92nd Annual Meeting of the Society of Biological Chemists

Biological Chemistry: Opportunities, Challenges and the Way Forward
BITS Pilani, K K Birla Goa Campus



Day2 (19th December, 2023, Tuesday)

9:30-10:10	Keynote: Dr. Maneesha S. Inamdar, Director, InSTEM [Auditorium] Title: Energy metabolic control of stem cells in development and aging Introduced by: Dr. Lynne Maquat, University of Rochester, USA		
10:15-10:30	Dr. Anil Wali, BioCyTiH, BITS Pilani [Auditorium] Title: The future of Bio-Cyber Physical Systems in India Chair: Dr. Ashis Kumar Das, BITS Pilani		
10:40-10:55	Tea		
Invited Talks 11 AM-12:30 PM			
	Session 1 [DLT7] Plant Biology Chair: Dr. M K Janarthanam, GU	Session 2 [DLT8] Infectious Diseases and Antimicrobial Resistance-2 Chair: Dr. Saman Habib, CDRI	Session 3 [DLT9] Nucleic Acid Biochemistry Chair: Dr. Lynne Maquat, UOR, USA
11:00-11:30	Dr. Subhra Chakraborty Director, NIPGR Title: Commuting to Fight: Organellar crosstalk and post-translational control shaping plant immunity	Dr. Ramandeep Singh THSTI Title: Polyphosphate Kinase I: Virulence factor and Target for TB drug development	Dr. Beena Pillai CSIR-IGIB Title: Inherited non-coding RNAs: effect on neurodevelopment and long-term impact on behavior
11:30-12:00	Dr. Anjan Banerjee IISER Pune Title: SHORT-LEAF and its surprises in moss (Physcomitrium patens) development	Dr. Raghunand Tirumalai CSIR-CCMB Title: Investigating correlates of antibiotic resistance in Mycobacterium tuberculosis	Dr. B. Anand IIT Guwahati Title: It takes two to tango: CRISPR RNA Biogenesis Requires Two Disparate Cas Nucleases

12:00-12:30	Dr. Girdhar K Pandey DU, South Campus Title: Inter-organelle communication in plants: Involvement of calcium, ROS and a mitochondrial gate-keeper in regulating oxidative stress responses	Dr. Dipankar Nandi IISc Title: Studying phenotypic antibiotic resistance and the road to investigating clinical isolates	Dr. Shweta Tyagi CDFD Title: Transcriptional and nontranscriptional roles of histone methyltransferase -MLLregulate mitosis
Invited and Short Talks (12:30-13:30)			
	Session 1 [DLT7] (Invited Short Talks) Genomics & Gene Regulation Chairs: Dr. Arnab Banerjee, Dr. Malabika Biswas, BITS Goa	Session 2 [DLT8] (Invited Talks) Protein Structure & Folding Chair: Dr. Amitabha Mukhopadhyay, IIT Delhi	Session 3 [DLT9] (Invited Short Talks) Infection and Immunity Chairs: Dr. Ruchi Dey Jain BITS Hyd; Dr. Utpal Roy, BITS Goa
12:30-12:50	Dr. Mridula Nambiar IISER Pune Title: Cohesins at centromeres – distinct roles in recombination and chromosomal segregation during cell division	Dr. Niti Kumar CSIR-CDRI [12:30-1:00 PM] Title: To Fold or Degrade? Hand Holding between two machineries for proteostasis balance in the malaria parasite	Dr. Bhavana Tiwari IISER Berhampur Title: Understanding the silencing mechanisms of HERV transposons for the complete silencing of HIV
12:50-13:10	Dr. Arul Jose Polpass Harvard University Title: Do gut microbiomes confer adaptive potential to their insect hosts?	Dr. Siddhartha P Sarma IISc [1:00-1:30 PM] Title: Structure and Function of a Potent Subtilisin Inhibitor from Budgett's frog, <i>Lepidobatrachus laevis</i>	Dr. Ganesh Kumar Maurya BHU Title: DnaK/J chaperone/cochaperone system required for survival under proteotoxic stresses in polyextremophilic bacterium <i>Deinococcus radiodurans</i>
13:10-13:30	Dr. Avik Biswas CNKI Kolkata Title: The hnRNPE1 guided post-transcriptional regulatory effects attributes towards its anticancer activity		Dr. Kushagra Bansal JNCASR Title: Thymic development of T cells

13:30-14:15	Lunch		
14:15-15:45	Poster Session [Grand Spine] [Coordinators: Drs. Sonal Ayakar, Tusar Saha, Arnab Banerjee, Woormileela Sinha, BITS Goa]		
Invited Talks 16:00-17:30 PM			
	Session 1 [DLT7] Cellular Biochemistry Chair: Dr. Siddhartha Sankar Jana, IACS	Session 2 [DLT8] Stem Cell And Regenerative Medicine Chair: Dr. Amitava Das, IICT Hyderabad	Session 3 [DLT9] Cancer Biology Chair: Dr M Gopinath, CFTRI
16:00-16:30	Dr. Sandhya Koushika TIFR Title: Biogenesis and transport of synaptic vesicles	Dr. Annapoorni Rangarajan IISc Title: Stem cells in mammary gland development and breast cancer	Dr. Geetanjali Sachdeva Director, NIRRH Title: Role of G-Protein Coupled Receptor 30 (GPR30) in the Pathogenesis of Prostate cancer: New Insights from in vitro and in vivo Investigations
16:30-17:00	Dr. Jomon Joseph NCCS Title: Cell Biology of Annulate Lamellae	Dr. Deepa Subramanyam NCCS Title: Moving through hard times: trafficking in health and disease	Dr. Sathees C. Raghavan IISc Title: DNA Structural Deviation leads to Fragility of the Human Genome during Chromosomal translocations in Leukemia and Lymphoma
17:00-17:30	Dr. Sandeep M Eswarappa IISc Title: Regulation of cell cycle by stop codon recoding	Dr. Geeta Vemuganti UoH Title: Stem Cell Research in Ophthalmology: Lessons learnt	Dr. Sanjeev Das NII Title: Deciphering the cross talk between Metabolism and Epigenetics in Cancer
17:30-17:45	Tea		
Invited Short Talks 17:45-18:45			
	Session 1 [DLT7] Bio- and Metabolic Engineering Chairs: Dr. Amrita Chatterjee, Dr. Sandhya Mehrotra, BITS Goa	Session 2 [DLT8] Biophysical Chemistry Chairs: Dr. Raviprasad Aduri, Dr. Sukanta Mondal, BITS Goa	Session 3 [DLT9] Cancer and Epigenetics Chairs: Dr. Vijayashree Nayak, Dr. Angshuman Sarkar, BITS Goa

<p>17:45-18:05</p>	<p>Dr. Balaram Mohapatra GBU</p> <p>Title: Life within a contaminated niche: Integrative Conjugative Element ICEnahCSV86 of <i>Pseudomonas bharatika</i> CSV86 T confers better niche adaptation and aromatic biodegradation</p>	<p>Dr. Nipa Chongdar IIT Goa</p> <p>Title: Structural insight on the mechanism of an electron-bifurcating [FeFe] hydrogenase</p>	<p>Dr. Yashmin Choudhury Assam University</p> <p>Title: Anti-diabetic drugs mitigate betel-nut induced carcinogenesis in a murine model</p>
<p>18:05-18:25</p>	<p>Dr. Ashis Biswas IIT Bhubaneswar</p> <p>Title: Role of C-terminal region on the structure and chaperone function of Mycobacterium tuberculosis Hsp16.3- An insight into developing better tuberculosis vaccines</p>	<p>Dr. Subhabrata Majumder SINP</p> <p>Title: Profiling Enzyme Activity of L-Asparaginase II by NMR-Based Methyl Fingerprinting at Natural Abundance</p>	<p>Dr. Arunima Biswas University of Kalyani</p> <p>Title: cAMP-dependent PDE 4 Inhibitor Rolipram Modulates Hedgehog Signaling and act as MMP-9 Inhibitor Regressing Cell Migration and Invasion in Breast Cancer</p>
<p>18:25-18:45</p>	<p>Dr. Trayambak Basak IIT Mandi</p> <p>Title: Collagen posttranslational modifications at the interface of extracellularmatrix (ECM) remodeling, fibrosis, and regeneration</p>	<p>Dr. Atanu Singha Roy NIT Meghalaya</p> <p>Title: Water soluble luminescent quantum dots for biological applications</p>	<p>Dr. Somdutta Sen Sphaera Pharma Pvt Ltd</p> <p>Title: Development of a PI3K/mTORC1/C2 inhibitor for effective treatment of a rare form of a bone cancer</p>

GB Meeting (DLT-9), 19:00-19:45

Gala Dinner, 19:30 Onwards (VGH Lawns, BITS Goa)