



# 92<sup>nd</sup> Annual Meeting of the Society of Biological Chemists

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



Day 3 (20<sup>th</sup> December, 2023, Wednesday)

9:30-10:10	Keynote: Dr. Gagandeep Kang, CMC-Vellore [Auditorium] Title: Birth cohorts, Nutrition and the need for collaborative science Introduced by: Dr. Suman Kundu		
10:10-10:40	Tea		
Invited Talks 10:40-12:10			
	Session 1 [DLT7] Biochemical Engineering Chair: Dr. Riffat John, UoK	Session 2 [DLT8] Structural Biology-2 Chair: Dr. Apurba K Sau, NII	Session 3 [DLT9] Immunology Chair: Dr. Samit Chattopadhyay, BITS Goa
10:40-11:10	Dr. Syed Shams Yazdani ICGEB  Title: Microbial genome engineering to produce renewable fuels and chemicals	Dr. Kakoli Bose ACTREC  Title: Unraveling the Energy Transition Network That Dictates Allosteric Activation of Proapoptotic High-Temperature Requirement Protease A2	Dr. Sangita Mukhopadhyay DBT-CDFD  Title: Drug repurposing for the treatment of Tuberculosis – An approach towards hostdirected Immunotherapy
11:10-11:40	Dr. N S Punekar IIT Dharwad  Title: Aspergillus niger acidogenic metabolism:	Dr. Koyeli Mapa Shiv Nadar  Title: Stress Responses Elicited by Misfolded Proteins Targeted to Mitochondria	Dr. Vineeta Bal IISER Pune  Title: Tracking immune responses to SARS-CoV2

	View from the carbon and nitrogen interface		
11:40-12:10	Dr. Binoy K. Saikia NEIST-Jorhat  Title: Indigenous carbon quantum dots fabricated from coal feedstock for biomedical applications	Dr. Thomas Pucadyil IISER-Pune  Title: Regulatory mechanisms in membrane fission and their relevance to physiology	Dr. Koustubh Panda CU  Title: An in vivo probe for realtime monitoring of inflammation
(Invited Short Talks) 12:15-13:15			
	Session 1 [DLT7] Communicable and Non-Communicable Diseases Chairs: Dr. Dibakar Chakrabarty, Dr. Judith Braganca, BITS Goa	Session 2 [DLT8] Structural Biology and Biophysics Chairs: Dr. Sumit Biswas, Dr. Rajesh Mehrotra, BITS Goa	Session 3 [DLT9] Stem Cell and Regenerative Biology Chairs: Dr. Anasuya Ganguly, Dr. Indrani Talukdar, BITS Goa
12:15-12:35	Dr. Veena S Patil NII  Title: Single-cell transcriptomic and T cell antigen receptor repertoire analysis of viral antigen-specific memory T cells in humans	Dr. Saugata Hazra IIT Roorkee  Title: Study of a novel Penicillin Recognition Protein (PRP) from <i>E. faecium</i> : Understanding mechanism of Antibiotic Resistance (ABR)	Dr. Zhumur Ghosh Bose Institute  Title: Regulatory Noncoding RNomics based Predictive Approaches - A roadmap towards safer stem cell based regenerative therapy
12:35-12:55	Dr. Nikhil R Gandasi IISc  Title: RIM2 receptors bind to rab3 carrying vesicles to stabilize insulin granule docking in pancreatic betacells	Dr. Aravind Penmatsa IISc  Title: Structural and mechanistic insights into GABA recognition and transport inhibition in GAT1	Dr. S Jyothi Prasanna MIRM  Title: 5-Ectonucleotidase, in Mesenchymal Stem Cell differentiation, immunomodulation and repair responses

12:55-13:15	<b>Dr. Nishad Matange</b> <b>IISER Pune</b>  <b>Title: Bacterial proteostasis and antimicrobial resistance</b>	<b>Dr. Nagasuma Chandra</b> <b>IISc (Invited talk)</b>  <b>Title: Structural determinants of ATP and SAM recognition</b>	<b>Dr. Amitava Das</b> <b>IICT Hyderabad</b>  <b>Title: Bioengineered Mesenchymal Stem Cell-derived 3D Skin Organoids Grafting as Regenerative Therapy for Diabetic Wounds</b>
13:15-14:00	<b>Lunch</b>		
14:10-14:20	<b>Dr. Dipanwita Sengupta [Auditorium]</b> <b>DBT/Wellcome Trust India Alliance</b> <b>Introduced by: Dr. Veeky Baths</b>		
14:20-15:40	<b>Panel Discussion: Equity for Women in STEM - is India there yet? [Auditorium]</b> <b>Dr. Rashna Bhandari (CDFD) [Moderator]</b> <b>Dr. Lynne Maquat (University of Rochester), Dr. Sandhya Koushika (TIFR), Dr. Deepak Saini (IISc), Dr. Kakoli Bose (ACTREC), Snehanshu Saha (BITS GOA)</b>		
15:45-17:30	<b>Valedictory (Dr. Meenal Kowshik, Dr. Malabika Biswas, Dr. Indrani Talukdar)</b> <b>And</b> <b>Flash Talks [By some of the Poster Award Winners]</b> <b>(Chairs: Dr. P. R. Deepa, Dr. Meghana Tare, BITS Pilani)</b>		
<b>17:30 Onwards: High Tea</b>			