

26 <sup>th</sup> October		
Time	Speaker	Title of Talk
8:30-9:00	<b>Registration</b>	
9:15-9:45	Purnendu Ghosh	
9:45-10:15	Vidhya Rangaswamy	Isoprenoids Metabolism
10:15-10:45	K.J. Mukherjee	Process Economics: A Design Problem with Multiple Constraints
10:45-11:15	Narendra Dixit	Multiscale Modelling of Hepatitis C Virus Evolution
11:15-11:45	<b>Tea/Coffee Break</b>	
11:45-12:15	Shams Yazdani	Biological Systems Engineering for Biofuel Production
12:15-12:45	James Gomes	Analysis of Angiogenin Mutations Causing Amyotrophic Lateral Sclerosis
12:45-3:30	<b>Lunch + Poster Presentations + Annual Meeting of the Society</b>	
3:30-4:00	A. B. Pandit	Intensification of Intracellular Enzyme Recovery
4:00-4:30	Anu Raghunathan	A Systems Analysis of Drug Response in a Model Glioblastoma Cell-line
4:30-5:00	Durga Parkhi	A Minimal Model Approach for Analyzing Continuous Glucose Monitoring in Type 2 Diabetes
	Megha Agrawal	Response of Bacterial Flagellar Rotary Motor on Sensing a Ligand
5:00-5:30	<b>Tea/Coffee Break</b>	
5:30-6:00	Guhan Jayaraman	Metabolic and Process Engineering Strategies for Molecular Weight Control of Hyaluronic Acid Produced by Recombinant <i>Lactococcus lactis</i> Cultures
6:00-6:30	Deepti Somayajula	Integrated Proteomics and Metabolomics Approach to Elucidate the Apomictic Pathway in <i>Cenchrus polystachion</i>
	Suman Saha	Anticancer Efficacy of CaAl-LDH Nanoparticle and its Synergism with Etoposide in Treatment of Non Small Cell Lung Carcinoma
7:00-8:00	<b>Cultural Program</b>	
8:00 onwards	<b>Dinner</b>	
<b>27<sup>th</sup> October 2018</b>		
9:00-9:30	K.V Venkatesh	Multi-scale Composite Model for Human Metabolism and Disease Analysis
9:30-10:00	U.V. Babu	Plant Biomaterials
10:00-10:30	Manu Shree	Defining Central Metabolism of <i>Geobacillus thermoglucosidasius</i> using <sup>13</sup> C tracers
	Bhavnita Soni	Influence of SOC1/SOCS3 Ratio in IL6 Signaling towards Quantifying and Engineering a Synthetic Device
10:30-11:00	<b>Tea/Coffee Break</b>	
11:00-11:30	Karthik Raman	A Graph-Theoretic Approach to Understand Metabolic Interactions in Microbial Communities
11:30-12:00	Shyam Masakapalli	13C Fluxomics: Challenges and Opportunities to Define Cellular Metabolic Phenotypes
12:00-12:30	Mugdha Gadgil	Metabolic Trade-offs in Mammalian Cells: Fitness upon Adaptation to Nutrient Limitation
12:30-1:00	Harshada M. Salvi	Surface Functionalization of SBA-15 for Immobilization of Lipase and its Application in

		Synthesis of Alkyl Levulinates: Optimization and Kinetic Study
	Shraddha Chauhan	Paper Based Analytical Device: A Sustainable and Instrument Free Approach for Colorimetric Detection of Arsenic
1:00-2:30	<b>Lunch</b>	
2:30-3:00	Dhananjaya Dendukuri	Commercial Development of a Microfluidic Platform for Point-of –care Immunoassays and Beyond
3:00-3:30	Sangram Bagh	Synthetic Genetic Devices: From Cellular Robotics to Space Bioengineering
3:30-4:00	Sanjoy Ghosh	A Novel Light Evolution Kinetic Model as a Tool for Online Estimation of Algal Dynamics in Flat Panel Airlift Photobioreactor
4:00-4:30	Dhiraj D Bhatia	DNA Based Emerging Technologies for Biological and Bioengineering Applications
4:30-5:00	<b>Conclusion</b>	