

Sl. No.	Biotalk Title	Speaker	Date
1.	UdgX, an unconventional uracil DNA glycosylase that forms a stable complex with DNA upon uracil release	Prof. Umesh Varshney, J N Tata Chair Professor with the Department of Microbiology and Cell Biology, IISc	5 May, 2022
2.	High resolution and High-speed 3D imaging and Artificial Intelligence based Quantitative Data Analysis	Dr. Ganesh Kadasoor Application Scientist for high-end imaging, Olympus Medical Systems India Pvt Ltd	29 October, 2021
3.	Disease modelling of haematological diseases using iPSc	Dr. Shaji Velayudhan, Department of Haematology, CMC Vellore	10 September, 2021
4.	Translation initiation and its regulation by one-carbon metabolism in bacteria	Prof. Umesh Varshney IISc Bangalore, JN Tata Chair Professor	31 July, 2021
5.	SPRTN mediated DNA protein crosslink repair and its causal relationship with cancer and ageing	Swagata Halder Institute for Research in Biomedicine Università della Svizzera italiana, Switzerland	23 July, 2021
6.	Institute and Industry Interface	Mr. Sushant Banerji Affiliation: CEO, Orthotech	4 June, 2021
7.	Staying in shape: lessons from budding yeast	Dr. Krishnaveni Mishra, Department of Biochemistry, School of Life Sciences University of Hyderabad	11 May, 2021
8.	Human memory CD8 T cell responses	Dr. Rama Akondy Emory University, Atlanta, USA	13 November, 2020
9.	Follow Nanoparticle Size, Count and Kinetics using Advanced Multi-laser Nano-tracking Analyzer	Dr. Namrata Jain Applications Scientist, HORIBA India Scientific	6 November, 2020
10.	Maintenance and Quality Control of Mammalian Gene Expression	Prof. Niels H Gehring, University of Cologne, Germany	16 October, 2020
11.	Understanding the Design Principles of a Protein Sensor	Dr. Athi N Naganathan Dept. of	9 October, 2020

		Biotechnology, Indian Institute of Technology Madras	
12.	Self-assembling peptides : From Designer Molecules to Soft Functional Materials in Health Care	Arindam Banerjee, School of Biological Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata	13 February, 2020
13.	Bioprocessing: A sustainable path toward the new Bioeconomy	Dr. Praveen V. Vadlani, Department of Grain Science and Industry, Kansas State University (KSU), USA	24 January, 2020
14.	How new strategies can improve productivity in structural biology - rMMS microseeding for crystallization and DLS for cryoEM	Dr. Patrick Shaw Stewart from Douglas Instruments Ltd., Hungerford UK	23 January, 2020
15.	Understanding the etiology of Inflammatory breast cancer and skin metastasis	Dr. Sangjucta Barkataki from Qiagen	20 January, 2020
16.	Understanding and modulating the toxicity and aggregation of the TDP-43 protein implicated in the pathogenesis of amyotrophic lateral sclerosis (ALS)	Dr. Basant K. Patel, Assistant Professor, Dept of Biotechnology IIT Hyderabad	16 January, 2020
17.	Coordinated degradation of sirtuin family HDAC upon DNA replication stress: a mechanism to maintain genome stability	Devyani Haldar Laboratory of Chromatin Biology and Epigenetics, Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad	23 Dec, 2019
18.	Amyloid induced membrane damage instigates tunnelling nanotubes and direct cell-to-cell transfer	Dr. Sangeeta Nath, Assistant Professor, from the Manipal Institute of Regenerative Medicine, Manipal	6 September, 2019
19.	Functional analysis of DYRK1A, and its implications in Down Syndrome and DYRK1A Syndrome	Prof. Man Mohan from Shanghai Jiao Tong University	17 July, 2019
20.	Fine-tuning of an evolutionarily conserved chromatin remodeling factor, FACT, in orchestrating transcription elongation and coupled DNA repair	Dr. Sukesh Bhaumik, Department of Biochemistry and Molecular Biology, Southern	24 June, 2019

		Illinois University School of Medicine	
21.	My journey from extra nuclearDNA to non-coding RNA and Ayurvedic Biology	Prof. S. C. Lakhotia. Distinguished Professorat BHU and SERB Distinguished Fellow inthe Department of Zoology, Banaras Hindu University, Varanasi.	12 June, 2019
22.	How cells make a cut: Molecular control of cell division.	Dr. Mithilesh, TIFR, Mumbai.	15 May, 2019
23.	A flightless fly: what do we learn about neuronal calcium homeostasis?	Dr. Sumita Chakraborty. Post Docin InStem Bangalore	22 April, 2019
24.	Distinct RNA elements repurposeLIN41 mediated RNA regulation during cell fate decisions.	Dr. Pooja Kumari, Section of Biochemistry and Molecular Biology Department of Biology University of Oslo, Norway 0371	13 march, 2019
25.	Why is oxygen the elixir of life? How does cyanide kill so quickly?" Criticism of standing textbook ideas oncellular respiration and explanations by murburn concept, anew paradigm in biochemistry.	Kelath Murali Manoj, Postdoc, CNRS, UIUC	11 March, 2019
26.	Quantitative Protein Mass Spectrometry: A systems BiologicalApproach for the Discovery and Validation of Potential Therapeutic Targets and Biomarkers for Human Diseases	Dr. Arnab Datta, SeniorPost-doctoral Fellow, Epithelial Systems Biology, National Heart, Lung and Blood institute, NIH USA	06 Feb, 2019
27.	Drug Delivery Technologies for Combatting and Preventing Infectious Diseases	Prof Claus-Michael Lehr, Helmholtz- Institute for Pharmaceutical Research Saarland, HZI, Braunschweig	05 Feb, 2019
28.	<i>FCS Express: An Introduction to Flow Cytometry Data</i>	Dr. Hemant Agrawal (Application support consultant-FCS ExpressSoftware, DENOVO software, USA and Director, Flowcytometry	29 Jan, 2019

		solutions Pvt. Ltd)	
29.	Making sense of chaos in membrane proteins	Dr. Rashmi Panigrahi	19 Dec, 2018
30.	SWRIC: A nucleosome editing machine	Dr. Raushan Singh, University of Massachusetts Medical School, USA	16 Nov, 2018
31.	Natural Products: Preclinical and Clinical Applications of Untapped sources for Human Health Welfare	Dr. Farid Badria, University of Mississippi, USA	15 Nov, 2018
32.	ERADICATION OF CHEMORESISTANT METASTATIC CANCER STEM CELLS MEDIATED BY NANOSURGERY	Prof. John N. Giannios, President of the World Genomic Translational Medicine Organization	13 Nov, 2018
33.	Understanding the immune dynamics in inflammation and cancer	Dr. Ajay Dixit, University of Minnesota	5 Oct, 2018
34.	Stability of Multi Layered Vehicular & Clop Flow	Prof Sreenivasan, distinguished professor at Central Institute of Technology Kokrajhar	25 Sep, 2018
35.	Gene editing strategies to decipher Drosophila development and functional models of human ciliopathies	Dr. Priyanka Upadhyai, Dept. of Medical Genetics, Kasturba Medical College, Karnataka	12 June, 2018
36.	Impacting discovery and development of novel therapeutics with NMR Spectroscopy	Dr. Subhabrata Majumder, Biotherapeutics Research and Development Division, Pfizer Inc, Chesterfield, Missouri, USA	25 April, 2018
37.	Systems Engineering Perspective of Human Metabolism through a Multiscale Model for Disease Analysis : A Cell to Human Framework	Prof. K. V. Venkatesh, Dept. Chemical Engineering,	9 March, 2018

		IITBombay	
38.	A newly designed closed, stirrer tank photobioreactor system for producing mass densities of dinoflagellate and other selected microalgae	Mr. Thakur Pada Kundu, Area Sales Manager, Guwahati region, IKA India Private Limited	7 March, 2018
39.	Nanoparticle- Antibody Conjugates as High Sensitive Reagents for Mass Cytometry	Dr. Jothir Pichaandi, University of Toronto and Fluidigm, Canada	14 Feb, 2018
40.	Investigating the nexus between DNA repair pathways and genomic instability in cancer	Dr. Sonali Bhattacharjee, Cold Spring Harbor Laboratory, NY, USA	25 Jan, 2018
41.	Understanding protein function via structure, dynamics and interactions: Cono-peptides to Non-Ribosomal Peptide Synthetases	Dr. Aswani K Kancherla, John Hopkins University School of Medicine, USA	23 Jan, 2019
42.	Microdroplet technologies for single cell and single molecule analysis	Dr. Rahul Roy, IISc Bangalore	18 Dec, 2017
43.	Plant-based polyphenols coatings for surface functionalisation	Dr. Ana M. L. Sousa, University of Strathclyde, UK	18 Dec, 2017
44.	The Globular-Disordered Interface in Proteins: Addressing Molecular Evolution from Protein Design	Dr. Sankar Basu, University of Delhi	8 Dec, 2017
45.	Signal Integration in Biological Systems: Combining Computational and Experimental Approaches to Decipher the Translation Regulatory Network Controlling p53 Expression in Response to DNA Damage	Dr. Partho Sarothi Ray, Department of Biological Sciences, Indian Institute of Science Education and Research (IISER), Kolkata	28 Nov, 2017
46.	Dogmas about health and disease	Prof. U.N. Das, MD, Bhatnagar Awardee, Fellow of the Royal Society of Chemistry & Founder of UND Life Sciences, USA, Director of	31 Oct, 2017

		Primrose Biosciences, Hyderabad	
47.	Ultrasensitive Enzyme-Free Self- Powered Engineered Device Based on Redox Cycling Amplification for Next Generation Point-of-Care Diagnostic Testing.	Dr. Gorachand Dutta, Department of Mechanical Engineering, Michigan State University, USA	13 Sep, 2017
48.	Cell-cell signaling in hydra: Insights into evolutionarily ancient functions of signaling pathways	Dr. Surendra Ghaskadbi, Developmental Biology, MACS-Agharkar Research Institute, Pune	12 July, 2017
49.	Basic Introduction to Bio- Molecular SAXS and Things which you CANNOT DO easily at synchrotron BUT AT HOME	Dr. Ashish, Institute of Microbial Technology (IMTECH) Chandigarh	29 June, 2017
50.	Ubiquitination in the regulation of inflammation and cancer	Dr. Venuprasad K. Poojary, Baylor Institute for Immunology Research, Charles A. Sammons Cancer Center, Dallas, TX.	15 June, 2017
51.	High-resolution optofluidic platforms for three-dimensional imaging of C. elegans	Dr. Sudip Mondal, University of Texas	18 May, 2017
52.	Digital Droplet PCR and Cell Analyzer from Bio-Rad	Dr. Prashant Khadke, Product Manager, Genomics, Bio-Rad Laboratories	28 April, 2017
53.	High Content Screening (HCS) Platforms	Dr. Sangeeta Thatai, Product Specialist Lead, Biosciences Division of Thermo Fisher Scientific.	6 April, 2017