

Abstracts selected for poster presentation**Note- Height: 4ft or 48 Inches; Width: 3ft or 36 Inches; Orientation: Portrait**

| Sl. No | Name | Title |
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| 1 | Arijit Nandy | Tug of war between SEC and LEC: Regulation of ELL incorporation in SEC vs LEC |
| 2 | Vipin Singh | BR7 E3 Ligase ubiquitinates Sp110 in HBV-induced HCC to inhibit IFN-Bmediated immunological signalling. |
| 3 | Swagata Adhikari | Emerging Mechanisms of Chemotherapy Resistance in TNBC: Exploring the Role of Chromatin Regulator UBR7 in concert with KDM6A in maintaining Extracellular Matrix stiffness |
| 4 | Atanu Mondal | Transcriptional regulation of fatty acid chain elongases in High-Fat DietInduced Stress by the epigenetic reader TCF19 and its Implications in NAFLD |
| 5 | Anjali Sharma | Chromatin organization and brain functions: Role of non-histone chromatin proteins, PC4 and HP1 α |
| 6 | Sandhik Nandi | Epigenetic regulator ZMYND8 orchestrates Lactate dehydrogenase A expression to maintain the lactate pools in breast cancer core |
| 7 | Anjali Singh | Global chromatin condensation in drug-tolerant persister cells offers a survival advantage during cisplatin exposure |
| 8 | Debashmita Sarkar | A master-regulatory role of GCN5 in DNA Double Strand Break Repair mediates GBM radio resistance |
| 9 | Shreya Sharma | Investigating epigenetic alterations during Epithelial to Mesenchymal Transition (EMT) in Colorectal Cancer cells with diverse p53 status |
| 10 | Harsha Rani | Enhancer reprogramming in p53 deficient/mutant colorectal cancer cells promote cancer stemness and metastasis |
| 11 | Mamatharani D V | Investigating the mechanism of HP1-mediated var gene regulation and heterochromatinization in Plasmodium falciparum |
| 12 | Archanalakshmi K | Fyn kinase-Tau protein interaction and its implication on Alzheimer's disease pathology and N-methyl D-aspartate receptor function |
| 13 | SNEHA JOS | Molecular insights into α Synuclein interaction with individual human core histones, linker histone, and dsDNA. |

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| 14 | Dr. Parik Kakani | Hypoxia-induced CTCF mediates alternative splicing via coupling chromatin looping and RNA Pol II pause to promote EMT in breast cancer |
| 15 | Smrutishree Mohanty | Role of auxiliary subunits of Chromatin Remodelling Complex in Normal and malignant myelopoiesis |
| 16 | Nishad Gosavi | Investigating an Isoform-specific Role for the Wilms Tumor 1 Protein in Nephrogenesis |
| 17 | BALAJI | Lamin A/C – EZH2 interaction represses mesenchymal transcription factors in breast cancer cells |
| 18 | RUBIADA WANI | ATK-12U is a potent SAM competitive inhibitor targeting HMT and its diverse biological effects in cancer, sickle cell anemia, and regeneration |
| 19 | AAYUSHI AGRAWAL | Lysine acetyltransferase, KAT5 (Tip60), mediated acetylation of human non-histone chromatin protein, PC4 is critical for DNA damage repair |
| 20 | DEBLINA DHABAL | S-Adenosyl Methionine Compartmentalization for Mitochondrial fitness and Regulation of gene expression |
| 21 | Cheng-Han Ho | Analysis of RNAPII transcription on the H3-H4 octasome by cryo-EM |
| 22 | Srishti Priya | Investigating the interplay between metabolism and alternative splicing: intron retention |
| 23 | Parul Sachdeva | Differential levels of histone H3 and the potential effect on transcriptomic profiles in gastric cancer cell lines |
| 24 | Flevia Anthony Susairaj | Identical Dual H3 phosphoacetylation in G0/G1 and G2/M phase of cell cycle: Any functional relevance? |
| 25 | Iqra Mushtaq | Identification and functional characterization of H2AX variants in <i>Crocus sativus</i> |
| 26 | Punit Prasad | SMARCD1, a potential regulator of leukemic cell maintenance through epigenetic mechanisms |
| 27 | Muskan Mittal | Regulation of subcellular Acetyl-CoA budgeting for anabolism and histone acetylation |
| 28 | Supriya Bevinakoppamath | Hyperglycemia mediated epigenetic alterations drive skeletal muscle wasting in <i>Drosophila melanogaster</i> |
| 29 | Shoko SATO | Cryo-EM structure of the nucleosome containing the human pathogen <i>Giardia lamblia</i> histones |
| 30 | Anjitha Nair | Nuclear lamins modulate DNA damage response during cell migration |

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| 31 | Arijit Mallick | Investigation of the potential role of a histone chaperone in regulation of DSB repair pathway choice in mammals |
| 32 | Jayati Khanna | Uncovering the role of nucleo-cytoskeletal coupling in chromatin organisation in the context of mechanotransduction |
| 33 | Santam Saha | Fibrillarin in cancer progression |
| 34 | Maniteja Arava | Xist loss leads to differential reactivation of inactive-X genes between extraembryonic endoderm and epiblast stem cell |
| 35 | Mayur Balkrishna Shirude | Histone chaperone HIRA regulates chromatin architecture in Chronic Myeloid Leukemia (CML) |
| 36 | Amrish Rai | Oral administration of a specific p300/CBP Lysine acetyltransferase activator induces synaptic plasticity and repairing spinal cord injury |
| 37 | Jaya Lakshmi | Unravelling the role of novel acylation modification in different models of hepatic steatosis |