Computational Biology Conference 2.0 – Poster List

Abstract_ID	Poster Title	Presenter Name
CBC-AB-7956	Multimodal Approaches in Lung Cancer: Integrating Quality of Life Assessment with Individualized Homeopathy and Phytochemical- Terminalia Chebula	Dr. Anam Beg
CBC-AB-4877	AI-based diagnosis of cardiac transplant patients using histopathology images	Dr. Mansi Bansal
CBC-AB-4337	Exploring The Role of Environmental Contaminant Exposure on Gut Microbiome Using Omics Techniques	Dr. Ravidarshdeep Kaur
CBC-AB-1718	Computational insights into capsaicin as a multi-target modulator for osteoporosis	Mr. Adhish Mazumder
CBC-AB-4843	Proteome Scale Investigation of Iron-binding Proteins of Bread Wheat	Mr. Anand Kumar Bharti
CBC-AB-1240	Transposon Dynamics and Phenotypic Associations in Chickpea: A Large-scale Genome-wide Analysis	Mr. Ayushman Kumar Banerjee
CBC-AB-9898	Essential Role of Arginine in ZTA-DNA Recognition: Glutamic Acid Mutations Eliminate Structural and Thermodynamic Stability Revealed by Molecular Dynamics Simulations	Mr. Boobalan Duraisamy
CBC-AB-4255	Chromosome Modifying Proteins in Bacteria: Distribution and Signature Motifs	Mr. Harsh Virendrabhai Purohit
CBC-AB-9920	In silico evolutionary epigenomics using an ML tool for open chromatin prediction	Mr. Janak Bajgain
CBC-AB-1295	Three-Dimensional Genome Architecture of Pathogenic Oomycetes Provides First Insights into Chromatin Architecture, Regulatory Complexity and Pathogenicity	Mr. Kajal Mandal

CBC-AB-9120	Improved method(s) for addressing the challenges in sequencing less diverse libraries on Illumina sequencing platform: Single amplicon sequencing and Genotyping by sequencing.	Mr. Lakshminarayanan C P
CBC-AB-1488	Potential Molecular Targets for Mitigating Oxidative Stress in Epilepsy Management: Insights Using Network Pharmacology	Mr. Malhar Paras Desai
CBC-AB-7309	Exploring mechanisms conferring antimicrobial resistance (AMR) in dermatophytes	Mr. Narun Gambhir
CBC-AB-8772	Machine Learning-Based Ensemble Predictive Model for Cardiovascular Disease Prevention: Comparative Insights and Outcomes	Mr. Neeraj Kumar
CBC-AB-1375	TICToK: A comprehensive knowledgebase of tattoo ink chemicals and investigation of their associated toxicities and regulations	Mr. Nikhil Chivukula
CBC-AB-2550	Deciphering Genome Evolution in Resynthesized Brassica juncea Through Copy Number Variation Profiling	Mr. Prabir Barman
CBC-AB-5257	Dual-Risk Klebsiella pneumoniae: Genomic Convergence of Antimicrobial Resistance and Hypervirulence	Mr. Prasanna Kumar Selvam
CBC-AB-3094	Pan-Indian Machine Learning-Based Predictive Model for Polycystic Ovary Syndrome (PCOS): Comparative Insights and Robust Outcomes	Mr. Pulkit Verma
CBC-AB-8965	Studies of zinc-binding proteins of bread wheat using computational approaches	Mr. Rajat Bhatt
CBC-AB-9943	Genome-wide analysis of NAC transcription factors in grain amaranth reveals structural diversity and regulatory features	Mr. Ramesh Eerapagula
CBC-AB-6536	Rational design of an epitope-centric vaccine against Pseudomonas aeruginosa using pangenomic insights and immunoinformatics approach	Mr. Santhosh Mudipalli Elavarasu

CBC-AB-6175	DHAL: A Secure Framework for Biological Data Protection and Sharing in India	Mr. Saurav Roy
CBC-AB-5681	Network-based development of ecologically relevant computationally predicted AOPs for organic mercury-induced toxicity	Mr. Shreyes Rajan Madgaonkar
CBC-AB-9447	Advanced Statistical Approach for Metagenomics Analysis Addressing Data Heterogeneity and Covariates	Mr. Shylin Joe S
CBC-AB-9274	Biocomputational aspect of FAM168B::ANKRD42 chimeric mRNA transcript in cancer	Mr. Sidharth Dash Sharma
CBC-AB-4967	An AI-based algorithm for prediction of antimicrobial resistance in fungal pathogens	Mr. Sisodiya Dhrumil Ishwarbhai
CBC-AB-7550	Transposon expression dynamics and regulation in HIV latency and reactivation	Mr. Sugam Kumar Patel
CBC-AB-2277	Computational insights into APH-1B mechanisms in Alzheimer's disease	Mr. Vismay Pramod Bidwaik
CBC-AB-1431	Understanding the structural and dynamic basis of sugar selectivity in insect TRETs	Ms. Aditi Moharana
CBC-AB-4744	LINE-1 ORF2p Endonuclease Drives Genomic Instability and Oncogenesis upon p53 ablation	Ms. Ankita Subhadarsani Parida
CBC-AB-5135	Deep Learning with SELEX Noise Removal Enables Accurate In Vitro-to-In Vivo TF Binding Prediction	Ms. Apoorva Raj
CBC-AB-3701	Network Pharmacology based study of TCM Formulations for Non-Insulin Dependent Diabetes Mellitus	Ms. Avani Jha
CBC-AB-4723	From tumor to bloodstream: Bioinformatic approaches for identifying key microRNAs in breast cancer	Ms. Bharti Virendrakumar Rakhecha
CBC-AB-9851	Identification and Characterization of Dual-Target Inhibitors Against HPV E6/E7 and Key Driver Mutations in Cervical Cancer	Ms. Chethana Shanubhogue

CBC-AB-7272	Artificial Intelligence for Osteoporosis Risk Prediction: From Clinical Features to Prevention	Ms. Devanshi Jha
CBC-AB-4485	Structural Investigation of NAA15 Mutations and Their Effect on NatA Complex Stability	Ms. Dhruti Deepa Mohapatra
CBC-AB-7794	Comprehensive genomic characterization of Lung adenocarcinoma identifies novel therapeutic targets	Ms. Elveera Saldanha
CBC-AB-5179	Harnessing Deep Learning for Ovarian Cancer Subtype Classification Using Notch3 IHC Images	Ms. Harshita Bisht
CBC-AB-6151	Understanding South Asia's Population History Through Archaic Introgression	Ms. Haya Afreen
CBC-AB-5962	Target.AI - Drug sensitivity prediction for targeted cancer therapy	Ms. Isha Shinde
CBC-AB-8966	Untargeted Serum Metabolomics Reveals Pathway Modulation in Rheumatoid Arthritis Patients Undergoing Basti Therapy	Ms. Ishita Himanshu Joshi
CBC-AB-4393	To code or not to code: Genome-wide analysis of bifunctional genes	Ms. Janki Insan
CBC-AB-2520	FamCan-India: The First Indian Familial Cancer Database	Ms. Jennifer Lawrence Tellis
CBC-AB-5919	Integrative computational and machine learning approach identifies potential miRNA-based biomarkers in endometriosis	Ms. Liya E. Joshy
CBC-AB-1423	Node persistence from topological data analysis reveals changes in brain functional connectivity	Ms. Madhumita Mondal
CBC-AB-2008	Repurposing Statins as MAPK Pathway Inhibitors: Docking and Molecular Dynamics Insights into Cancer Therapeutics	Ms. Manti Biswas
CBC-AB-7855	Iron, Genes, and Beyond: Biomarkers and Genetic Determinants of Anemia	Ms. Narayani Deepak Bhat

CBC-AB-4838	Estimating Allele Specific Expression of Genes Using Single Cell RNASeq and Pseudo Bulk RNASeq	Ms. Niharika .
CBC-AB-5931	Structure-guided identification of inhibitors for the zinc-dependent Metalloendopeptidase of Monkeypox virus	Ms. Nimita Kant
CBC-AB-3949	Bioinformatic Investigations of Copper-Binding Proteins of Bread Wheat	Ms. Nivedita Bisht
CBC-AB-7702	Prediction of Antimicrobial Resistance Based on Gene Family Using a Machine learning Approach	Ms. Pratibha Chaurasia
CBC-AB-2144	High-Quality Genome Assembly and Insights into Aroma-Associated Genes in Manipur Black Rice	Ms. Priyanka Kushwaha
CBC-AB-1306	Molecular Dynamics Assessment of variants of uncertain significance in MLH1, MSH2, MSH6, and PMS2 in Lynch Syndrome	Ms. Pushpa Singh
CBC-AB-9145	In Situ Structure and Molecular Dynamics Simulations of a C.elegans Innexin-Stomatin complex	Ms. Rachita Sharma
CBC-AB-1907	Integrative Transcriptomic and Network Analysis Reveals AR as a Central Driver of Prostate Cancer Progression	Ms. Richa Null Sharma
CBC-AB-6381	Target Identification Through Network Pharmacology and In Silico Design of CCR5 Antagonists Against HIV	Ms. Ritwika Nandi
CBC-AB-5638	Machine Learning-Based Prediction of Tuberculosis Drug Resistance from Genomic Data: A Systematic Review and Meta-Analysis	Ms. Rohan Shrivastava
CBC-AB-6640	Network-Scale Integration of m^6A/m^5C Epitranscriptomic Regulators Identifies DNMT1/3A as Central Hubs in Huntington's Disease	Ms. Rupa Chowdhury
CBC-AB-7049	Alpha-Lipoic Acid as Adjunctive Antioxidant Therapy in Epilepsy: Insights from Network	Ms. Shalini Singh

	Pharmacology and Molecular Docking	
CBC-AB-5569	Impact of PanchaKarma (Virechana) Therapy on gut microbiome in Rheumatoid Arthritis patients: A Longitudinal Study	Ms. Shreya Johnson
CBC-AB-7848	Identification of lncRNA-Protein Interactions via G-Quadruplex Motifs	Ms. Shruti Mathur
CBC-AB-8727	FOXM1 Mutant Mediates Downregulation of FAM72 Expression in Acute Myeloid Leukemia	Ms. Sreemoyee Sensharma
CBC-AB-6085	A computational structural approach towards capturing cyclic-di-nucleotide signaling networks in mycobacteria	Ms. Suravi Bhaya
CBC-AB-2039	Genomic Landscape of COVID-19-Associated Fungal Infections in India	Ms. Tanushree Saini
CBC-AB-3433	DNA Repair Aberrations Drive Vitiligo: A Mendelian Randomization Analysis	Ms. Vishwa Pravinbhai Patel
CBC-AB-1180	Structure-Aware Deep Clustering Framework for Single-Cell RNA-seq Data	Mr. Rohit Bose