38th DPMB ANNUAL SYMPOSIUM 2026

DAY 1: February 05, 2026

Welcome Tea & Registration	**09:30 - 09:45 AM**
Welcome Note	**09:45 - 09:55 AM**
Maa Saraswati Vandana	**09:55 - 10:00 AM**
Guest Lecture: Dr. Jitendra Thakur from ICGEB **Mediator as a processor of different signaling pathways**	**10:00 - 10:45 PM**
Session I: Blueprint of Growth: The molecular Basis of Plant Architecture ***Chairperson: Nikunj Bhandari***	**10:45 - 11:30 AM**
Chandana Das: From signals to biomolecular condensates: SAIR1 regulates stomatal immunity **Mamta:** Vesicle Trafficking: A key driver of Root Development **Priyanka Meena:** Euchromatin as an Architect of Meiotic Chromosome Dynamics in Plants	
Tea Break	**11:30 - 11:50 PM**
Session I continued…	**11:50 - 12:35 PM**
Rajat Kumar: An Artificial Cellular System equipped to Signal Transduction mediated by GPCRs **Naveen:** Targeted Condensation-prone Protein Degradation: Protein-level Regulation **Sweta Dabral:** ER-PM Magic Bridge: Supercharges Cell Division by Calling in Actin Power	
Session II: RNA: The Director's Cut ***Chairperson: Dr. Utkarsh Raghuvanshi***	**12:35 - 01:20 PM**
Ankur: Phosphorylation Controls Serrate Function in Plant miRNA Biogenesis **Aradhana Aggarwal:** Rebuilding Without Losing Control: microRNAs as Gatekeepers of Plant Regeneration **Muskaan Ansari:** Dephosphorylation of Spliceosome Components Regulates Heat Stress–Responsive Splicing	
Photography & Lunch	**01:20 - 02:35 PM**
Session II continued…	**02:35 - 03:20 PM**
Vidisha Saxena: Alternative Splicing at the Frontline of Plant-pathogen Interaction **Manish:** Rice-specific miR1850.1 targets NPR3 to regulate cold stress response **Megha:** Nanomaterial-assisted Cross-Kingdom delivery of miRNA suppresses Gray Mold Disease	
Session III: Cross Kingdom Dialogues: Nature's Green Battleground ***Chairperson: Dr. Pinky***	**03:20 - 4:50 PM**
Dhruv Sah Rathi: Survival of The Smartest: Arms Race Between Plants, Viruses and their Insect Vectors **Divyanshi: Singh:** AntiSYS: a homeostatic brake on the tomato immune signalling **Tanya Singh:** When defence meets productivity: how rice balances blast resistance and yield **Mahi Rajvanshi:** Stage-Specific Herbivore Effects on Indirect defences in rice **Ram Verma:** The m6A Battleground: Host-Virus Antagonism in Plant Immunity **Bhawna:** Disarming Locust Swarms by blocking a Pheromone Switch	
Tea Break	**04:50 - 05:30 PM**

DAY 2: February 06, 2026

Welcome Tea	**09:30 - 10:00 AM**
Session IV: Growth, Rhythms & Balance ***Chairperson: Sonam***	**10:00 - 11:15 AM**
Sanjana Gupta: Abscisic Acid Signaling Integrates Stress Responses with Serotonin and Melatonin Production **Aakriti Singh:** The Balancing Act of Growth and Immunity: TORqueing the post-translational regulation **Prity Sahu:** Hormonal and Proteolytic Regulation of Seed Dormancy **Dharmendra Shishodia:** Balancing Green: The BCM1–EGY1 Module Integrates Chlorophyll Synthesis and Turnover **Ravina:** Elucidating Systemic Plant Defense: Glutathione in Calcium Wave Propagation	
Tea Break	**11:15 - 11:45 AM**
Session V: Stress Test: Plant Responses to Environmental Stress ***Chairperson: Amit***	**11:45 - 01:00 PM**
Priyanka Sundriyal: Molecular Firefighters Driven Thermotolerance: Blueprint for Survival Among Cereals **Shana Jabbar:** Salt stress activates the CDK8-AHL10-SUVH2/9 module to regulate salt tolerance **Shubham Khurana:** Safeguarding the Message on Fire: Transcription Fidelity and RNA Surveillance in Heat Stress **Charu Dixit:** Decoding calcium signals to drive metabolic survival under hypoxia **Tanashvi Seth:** GhCIPK6D1-GhSKD1 Signaling Module Regulates Potassium Efflux to Mediate Drought Tolerance	
Lunch	**01:15 - 02:30 PM**
Session VI: Layers of Regulation: From Genome Editing to Epigenetic Control ***Chairperson: Dr. Gayatri***	**02:30 - 04:00 PM**
Pranamya Pradeep: TimeVaults: The Real MVPs **Aditya Rai:** Tregs Take Centre Stage: The 2025 Nobel Breakthrough in Immune Tolerance **Sheetal Deshwal:** Epigenetic Thermostat: How Plants Repress ROS1 to Tame Transposon Bursts **Ismail Yasir:** Interplay Between Epigenetic and Epi-transcriptomic Layers in Chromatin Dynamics **Vaishnavi Dahiya:** UtPE: an ultra-efficient precise genome editing system in tomato **Anushka:** Kleptosomes: An animal strategy for sustained photosynthesis	
Quiz	**04:00 - 04:45 PM**
Prize Distribution	**04:45 - 05:15 PM**
Concluding Remarks	**05:15 - 05:30 PM**
High Tea	**05:30 - 06:00 PM**