

8th International Conference on
Plant Genetics and Genomics

Genome Editing and AgriGenomics India 2026

*Theme - Genome Editing Driving the Next Era
of Sustainable Agriculture*

08-09 October, 2026 • Chandigarh, India

#AGI26

AgriGenomics India 2026

08 Oct 2026 - 09 Oct 2026

CONFERENCE PROGRAMME

Thursday, 8th October 2026

09:00	INAUGURAL SESSION
09:00	Introduction to Glostem
09:05	Welcome Address Sanjay Bajaj , CEO & MD , Glostem Private Limited , India
09:15	Address by Guest of Honor Prof KC Bansal , Adjunct Professor , Murdoch University , Australia
09:25	Address by Guest of Honor Ashwani Pareek , Executive Director , DBT - NABI, Mohali , India
09:35	SESSION 1: Next-Generation CRISPR-Cas Toolkits & Precision Editing Mechanisms
09:40	Prime editing-mediated mimicking of a C4 evolutionary signature enables multi-biofortification of Zinc, iron and protein in rice grain Kutubuddin A Molla , Scientist , ICAR-NRRI, Cuttack , India
10:10	Engineered CRISPR endonucleases favoring homology-directed repair in plants Tom Schreiber , Dept. Cell- and Metabolic Biology , Leibniz Institute of Plant Biochemistry , Germany
10:40	Engineering Better CRISPR Systems for Plants: From Optimized sgRNA Scaffolds to Automated PTG Assembly Soham Ray , Senior Scientist , Division of Plant Physiology, ICAR-IARI, New Delhi , India
11:10	Tea/Coffee Break
11:40	Session 2: Genomics and Genome Editing for Climate Resilience & Abiotic Stress Adaptation
11:45	Genomics aided genome editing in pigeonpea and mustard for productivity enhancement Ramcharan Bhattacharya , Director , ICAR-National Institute for Plant Biotechnology , India
12:15	Genomic Insights into Heat Stress, Seed Shattering, and Nutritional Traits in Quinoa Gaurav Zinta , Principal Scientist , IHBT, Palampur , India

12:45	Functional genomic studies in some major agricultural crops for abiotic stress resilience Sanjib Kumar Panda , Dean, School of Life Sciences , Central University of Rajasthan, Ajmer , India
13:15	Group Photo
13:30	Lunch
14:30	Session 3: Functional Genomics & CRISPR Interventions for Biotic Stress and Crop Quality Traits
14:35	Genome Editing Innovations for Sustainable Agriculture Leena Tripathi , Director , IITA, Kenya , Africa
15:05	Climate Change & Food Security: Organellar Crosstalk and Post-translational Control Shaping Plant Immunity
15:35	Advancing Wheat Micronutrient Biofortification through Functional Genomics of Iron Homeostasis Ajay Kumar Pandey , Scientist G , BRIC-National Agri-Food and Biomanufacturing Institute , India
16:05	Tea/Coffee Break
16:35	Exhibition & Networking
17:35	End of Day 1

Friday, 9th October 2026

09:05	Session4: Advanced Intracellular Delivery & Tissue Culture-Free Transformation
09:10	Technological Development of Intracellular Cargo Delivery from Tissue Culture-Free to Hands-Free for Simple Gene-Editing to Multiplex Chromosome-Editing Prasenjit Saha , Co-Founder, Chief Scientific Officer & Director of Science , Phoenix Ebra Inc. , US
09:40	TBD
10:10	TBD
10:40	Tea/Coffee Break
11:10	Session 5: AI, Machine Learning & Computational AgriGenomics
11:15	Accelerating Genetic Gain: Integrating AI, Gene Editing and Modern Breeding Technologies Raman Babu , Global Research Director- Accelerated Crop Improvement , ICRISAT , India
11:45	TBD
12:15	TBD
12:45	Lunch and Networking
13:45	Session 6: Regulatory Science, Biosafety Protocols, and Agricultural Biosecurity

13:50	India Genome Editing regulations & what we can learn from global developments Valasubramanian Ramaiah , Asia Pacific Genome Editing Policy Leader , Corteva Agriscience , India
14:20	TBD Vilas Parkhi , Lead-Research , Mahyco Pvt. Ltd. , India
14:50	TBD
15:20	Tea/Coffee Break
15:50	Oral/Poster Presentation
17:20	VALEDICTORY FUNCTION