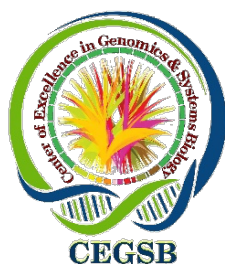


**International Workshop
on
Next generation genomics
for developing climate
resilient crops**



ICRISAT, Hyderabad, India

February 10-15, 2020



Erasmus+

Program

Venue: Fred Bentley Conference Hall (Bldg 212)

Time	Activity	Facilitator/Presenter
Day 1: Monday, 10-Feb, 2020		
0830-0900	Registration	
0900-1000	Inaugural Session	
0900-0910	Introduction	Rajeev Varshney Research Program Director-Genetic Gains International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India
0910-0920	Genomics Assisted Breeding- an Overview	Rajeev Varshney ICRISAT, India
0920-0930	Inspirational message from public sector perspectives	PK Gupta Hony. Emeritus Professor & INSA Hony. Scientist CCS University, Meerut India
0930-0940	Inspirational message from private sector perspectives	Yogendra S Verma President-R&D Kaveri Seed Company Limited, India
0940-0950	Address by Chief Guest	V Praveen Rao Vice-Chancellor Professor Jayashankar Telangana State Agricultural University (PJTSAU), India
0950-1000	Inaugural Address	Peter Carberry Director General ICRISAT, India
1000-1030	<i>Tea/Coffee Break</i>	
1030-1130	Climate resilient crops for food and nutrition security in post-genomics era: A challenge	PK Gupta CCS University, India
1130-1230	Introduction to the molecular marker technology, genomics and molecular breeding	Rakesh Srivastava ICRISAT, India
1230-1330	<i>Lunch Break</i>	
1330-1430	Exposure to high throughput sequencing and genotyping technologies	Anu Chitikineni ICRISAT, India
1430-1530	Germplasm sequence data, access and benefit sharing, and International policy-perspectives on the future of plant genetic resource digital sequence information	Eric Von Wettberg The Univ. of Vermont, USA
1530-1600	<i>Tea/Coffee Break</i>	

1600-1700	Developing climate resilient highly nutritious chickpeas for 50 degrees north regions	Bunyamin Tar'an Univ. of Saskatchewan, Canada
1830 hrs	<i>Cocktails & dinner - Mary Cummings Park</i>	
Day 2: Tuesday, 11-Feb, 2020		
0830-0915	Marker development and appropriate genotyping platforms for crop improvement	Manish Pandey ICRISAT, India
0915-1000	Genotyping technologies: Evolution and application	Manish Roorkiwal ICRISAT, India
1000-1030	<i>Tea/Coffee Break</i>	
1030-1115	Genetic mapping for trait dissection	Santosh Deshpande ICRISAT, India
1115-1200	Phenotyping for diseases with special reference to legumes	Mamta Sharma ICRISAT, India
1200-1300	<i>Lunch Break</i>	
1300-1345	Cross-disciplinary efforts to support crop improvement in complex SAT environments	Jana Kholova ICRISAT, India
1345-1430	Climate change challenges to the breeders in developing resilient cultivars & role of genomics	CV Sameer Kumar PJTSAU, India
1430-1515	Breeding with the speed of climate change	Vikas Singh IRRI, India
1515-1545	<i>Tea/Coffee Break</i>	
1545-1630	Visit to LeasyScan Facility	Jana Kholova ICRISAT, India
1630-1700	Visit to Centre of Excellence on Climate Change Research for Plant Protection (CoE-CCRPP)	Mamta Sharma ICRISAT, India
Day 3: Wednesday, 12-Feb, 2020		
0830-0915	Requirements and approaches for QTL analysis	Rachit Saxena ICRISAT, India
0915-1000	QTL mapping, Do's and Don'ts	Mahendar Thudi ICRISAT, India
1000-1030	<i>Tea/Coffee Break</i>	
1030-1115	Geospatial products for food security and impact analysis	Murali Gumma ICRISAT, India
1115-1200	Breeding for billions-Tools and approaches	T Nepolean ICAR-IIMR, India
1200-1300	<i>Lunch Break</i>	
1300-1400	Development of climate change resilient breeding lines of Samba Mahsuri through molecular breeding	RM Sundaram ICAR-IIRR, India
1400-1500	High throughput genotyping for accelerating development of better varieties	Rajaguru Bohar ICRISAT, India
1500-1530	<i>Tea/Coffee Break</i>	
1530-1615	Genomic Selection for Crop Improvement	Manish Roorkiwal ICRISAT, India
1615-1700	Genomics Open-source Breeding Informatics Initiative (GOBii)-transforming breeding through integrated data management and analysis & Demo	Himabindu Kudapa ICRISAT, India
Day 4: Thursday, 13-Feb, 2020		
0830-0930	Speed Breeding	Lee Hickey The Univ. of Queensland, Australia
0930-1030	Haplotype based breeding for crop Improvement	Pallavi Sinha ICRISAT, India
1030-1100	<i>Tea/Coffee Break</i>	

1100-1145	Genebank for crop improvement/ Visit to Genebank	Vania Azevedo ICRISAT, India
1145-1230	How Conservation Agriculture Delivers To Resilience Against Climatic Risks?	ML Jat CIMMYT-India, India
1230-1330	<i>Lunch Break</i>	
1330-1430	Halophytes: an untapped resource to improve salinity stress tolerance in crops	Sergey Shabala Univ. of Tasmania, Australia
1430-1530	Diversity analyses of large-scale SNPs datasets	Prasad Bajaj ICRISAT, India
1530-1600	<i>Tea/Coffee Break</i>	
1600-1645	Studying the impact of temperature on pigeonpea male sterility using a multi-omics approach	Lekha Pazhamala ICRISAT, India
Day 5: Friday, 14-Feb, 2020		
0830-0930	Towards designed genetic improvement of root system for developing of climate-resilient crop	Yusaku Uga NARO, Japan
0930-1030	Digitization of breeding programs	Abhishek Rathore ICRISAT, India
1030-1100	<i>Tea/Coffee Break</i>	
1100-1145	Pre-breeding for crop improvement	Shivali Sharma ICRISAT, India
1145-1230	Integrated breeding of pulses for adaptation to climate change	Pooran Gaur ICRISAT, India
1230-1330	<i>Lunch Break</i>	
1330-1430	Opportunities offered by plant phenomics for accelerating genome aided crop improvement- to enhance climate resilience in agriculture	Jagadish Rane NIASM, India
1430-1515	Biotechnological interventions for intractable traits and advanced breeding efforts in SAT crops	Pooja Bhatnagar Mathur ICRISAT, India
1515-1545	<i>Tea/Coffee Break</i>	
1545-1630	Mainstreaming climate smart agriculture into development planning and action: Evidence from semiarid region in India	Shalander Kumar ICRISAT, India
1630-1700	The extraordinary impact of CRISPR/Cas-genome editing and associated tools in precision plant breeding	Kutubuddin Ali Molla ICAR-National Rice Research Institute, India
1830 onwards	<i>Cocktails & dinner - IMOD Plaza</i>	
Day 6: Saturday, 15-Feb, 2020		
0830-0915	Genomics assisted breeding for chickpea improvement	C Bharadwaj ICAR-IARI, India
0915-1115	Panel Session: Way forward for climate resilient agriculture Chair: Swapan Datta, fmr DDG-CS, ICAR, University of Calcutta, India	
	Panelists: <ul style="list-style-type: none"> • NP Singh, Director, ICAR-IIPR, India • Vilas Tonapi, Director, ICAR-IIMR, India • T Radhakrishnan, Director, ICAR-DGR, India • Tara Satyavathi, Project Coordinator, ICAR-AICRP on Pearl Millet, India 	
1115-1145	<i>Tea/Coffee Break</i>	
1145-1300	Valedictory Session	
1300-1400	<i>Lunch Break</i>	
1400 hrs onwards	Departures	