



VI NGGIBCI Conference
on
Crop Genomics : Present & Future
to celebrate
10th Anniversary of CEG
ICRISAT, Hyderabad, India
December 6-8, 2017



Program

(Venue: Ralph W Cummings Auditorium)

Wednesday, December 6, 2017

17:00 – 19:00 hrs	Inaugural Session	
	Welcome	Rajeev Varshney Research Program Director- Genetic Gains, <i>ICRISAT</i>
	Opening address	David Bergvinson Director General, <i>ICRISAT</i>
	Agricultural science perspectives	Panjab Singh President, <i>National Academy of Agricultural Sciences</i>
	Address by Chief Guest	Mr Y.S. Chowdary Hon'ble Minister of State for <i>Ministry of Science & Technology and Ministry of Earth Sciences,</i> Govt of India
	Inaugural Lecture: <i>Genomics-based approaches to elevating crop disease resistance</i>	Jonathan Jones Fellow of Royal Society <i>The Sainsbury Laboratory</i> UK
19:00 – 20:00 hrs	<i>10th CEG Anniversary Video, celebrations Anniversary messages (David Bergvinson, Peter Carberry, Dave Hoisington, CLL Gowda, Mike Butterfield, Oscar Riera-Lizarazu and others)</i>	
20:00 – 21:30 hrs	<i>Dinner- IMOD Plaza, ICRISAT</i>	

Thursday, December 7, 2017

08:30 – 10:30 hrs	Session I: Advances in genomics & biotechnology Co-Chairs: Swapan Datta, <i>Visva-Bharati University, India</i> Mike Olsen, <i>CIMMYT-Kenya, Kenya</i>	
08:30 – 09:00 hrs	A 3D code in the human genome	Erez Aiden <i>Baylor College of Medicine</i> USA
09:00 – 09:30 hrs	Progress in wheat genomics	Mike Bevan <i>John Innes Centre</i> UK
09:30 – 10:00 hrs	Advances in chloroplast genomes and biotechnology	Henry Daniell <i>University of Pennsylvania</i> USA

10:00 – 10:30 hrs	Green systems biology – the need for ecological thinking in modern biology	Wolfram Weckwerth <i>University of Vienna</i> Austria
10:30 – 11:00 hrs	<i>Tea / Coffee Break</i>	
11:00 – 13:00 hrs	Session II: Genome & germplasm diversity Co-Chairs: Kadambot Siddique, Uni of Western Australia, Australia Kuldeep Singh, ICAR-NBPGR, India	
11:00 – 11:30 hrs	High resolution genome sequence of mungbean using long read assembly and its utilization	Suk-Ha Lee <i>Seoul National University</i> Korea
11:30 – 12:00 hrs	Genomics driven activation of germplasm collections	Andreas Graner <i>IPK-Gatersleben</i> Germany
12:00 – 12:30 hrs	Genome harvest: deciphering mosaic genome diversity patterns as pathways to crop improvement	JC Glaszmann <i>CIRAD, the French Agricultural Research Centre for International Development</i> France
12:30 – 13:00 hrs	Reaching back through the domestication bottleneck to feed a hot and crowded planet	Benjamin Kilian <i>The Crop Trust</i> Germany
13:00 – 14:00 hrs	<i>Lunch-204 Banquet Hall, ICRISAT</i>	
14:00 – 16:00 hrs	Session III: Sequencing based trait mapping Co-Chairs: Ajay Parida, Institute of Life Sciences (ILS), India Baozhu Guo, University of Georgia, USA	
14:00 – 14:30 hrs	Flowering time regulation in a vegetative crop and application in breeding	Christian Jung <i>University of Kiel</i> Germany
14:30 – 15:00 hrs	Genomics based valorization of genetic resources for improving disease resistance in cereals	Frank Ordon <i>Julius Kühn-Institut (JKI)</i> Germany
15:00 – 15:30 hrs	Using genomics to boost wheat grain yield	Jochen Reif <i>IPK-Gatersleben</i> Germany
15:30 – 16:00 hrs	Accessing genetic variation outside the primary gene pool	Scott Jackson <i>University of Georgia</i> USA
16:00 – 16:30 hrs	<i>Tea / Coffee Break</i>	
16:30 – 18:00 hrs	Panel session: Writing a high quality science paper Co-Chairs: PK Gupta, Chaudhary Charan Singh University, India Hon-Ming Lam, The Chinese Uni of Hong Kong, Hong Kong	
	Panelists: <ul style="list-style-type: none"> • Susan Jones, Nature Biotechnology • Henry Daniell, Plant Biotechnology Journal • Albrecht Melchinger, Theor Appl Genet • Frank Ordon, Plant Breeding 	
18:00 – 19:00 hrs	<i>Poster Session (with soft drinks)</i>	

	Poster Evaluating Committee for Session I & II	Ramesh K Agarwal, Bhagirath Chaudhary, Tara Satyavathi, Susanne Dreisigacker, Rajeev Gupta, Eng Hwa Ng, Rattan Yadav, Eric Manyasa
	Poster Evaluating Committee for Session III, IV & V	HS Balyan, Anuradha Ch, Chris Ojiewo, Patrick Okori, Sujay Rakshit, RP Sharma, Hari Upadhyaya, Eric Bishop von Wettberg
19:00 – 21:30 hrs	<i>Cultural program, Cocktails & Dinner-Anniversary lawns</i>	
Friday, December 8, 2017		
08:30 – 10:30 hrs	Session IV: Genomics-assisted breeding Co-Chairs: Deepak Pental, University of Delhi, India Arvind Kumar, IRRI-Philippines, Philippines	
08:30 – 09:00 hrs	Unlocking genetic basis of complex traits and heterosis in rice	Bin Han <i>Shanghai Institute for Biological Sciences</i> China
09:00 – 09:30 hrs	Libraries of doubled-haploid lines from landraces: a new tool for maize breeding and genomic research	Albrecht Melchinger <i>University of Hohenheim</i> Germany
09:30 – 10:00 hrs	BGI's efforts on crop breeding towards precision nutrition	Shancen Zhao <i>BGI Institute of Applied Agriculture</i> China
10:00 – 10:30 hrs	Challenge to genomic, genetic analysis and molecular breeding in allo-octoploid species, strawberry	Sachiko Isobe <i>Kazusa DNA Research Institute</i> Japan
10:30 – 11:00 hrs	<i>Tea / Coffee Break</i>	
11:00 – 13:00 hrs	Session V: Decision support tools and databases Co-Chairs: Ivo Grosse, Martin Luther University Halle-Wittenberg, Germany BM Prasanna, CIMMYT-Kenya, Kenya	
11:00 – 11:30 hrs	Genomics and bioinformatics requirements for future crop breeding	Dave Edwards <i>University of Western Australia</i> Australia
11:30 – 12:00 hrs	Computational tools for better crops	Mario Caccamo <i>NIAB</i> UK
12:00 – 12:30 hrs	Exploiting comparative genomics	David Marshall <i>The James Hutton Institute</i> UK
12:30 – 13:00 hrs	Unity through diversity: Building a legume federation with legume information system and friends	Andrew Farmer <i>National Center for Genome Resources (NCGR)</i> USA
13:00 – 14:00 hrs	<i>Lunch-204 Banquet Hall, ICRISAT</i>	
14:00 – 16:30 hrs	Panel session: Genomics applications perspective Co-Chairs: R B Singh, Central University, Imphal Eric Danquah, University of Ghana, Ghana	
	India	B Rajender

		<i>Ministry of Agriculture, Cooperation and Farmers Welfare India</i>
	China	Liao Boshou <i>Oil Crops Research Institute, Chinese Academy of Agricultural Sciences China</i>
	Kenya	Paul Kimurto <i>Egerton University Kenya</i>
	UAE	Khaled Amiri <i>Khalifa Center for Genetic Engineering and Biotechnology UAE</i>
	FAO	Chikelu Mba <i>Food and Agricultural Organization (FAO) Italy</i>
	MARS Inc.	Victor Nwosu <i>MARS Inc. USA</i>
	Dow AgroSciences	Oscar Rierra-Lizarazu <i>Dow AgroSciences USA</i>
	Centro de Tecnologia Canavieira (Sugarcane Research Center)	Mike Butterfield <i>CTC Brazil</i>
<i>16:30 – 17:00 hrs</i>	<i>Tea / Coffee Break</i>	
17:00 – 18:45 hrs	Closing Session	
	Genomics to Address Sustainable Development Goals	RS Paroda <i>Trust for Advancement of Agricultural Sciences, India</i>
	Inspirational Address	Shobhana K Pattanayak <i>Secretary, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt of India</i>
	Way Forward	David Bergvinson <i>Director General, ICRISAT</i>
	Closing remarks	Peter Carberry <i>Deputy Director General - Research, ICRISAT</i>
	Vote of thanks	Rajeev Varshney <i>Research Program Director – Genetic Gains, ICRISAT</i>
<i>18:45 hrs onwards</i>	<i>Dinner- Mary Cummings Park, ICRISAT</i>	