11th International Conference of the Peanut Research Community on Advances in Arachis through Genomics and Biotechnology (AAGB-2019) October 21-25, 2019 Jinan, China



Schedule of Program

Monday, October 21, 2019	
One day	Registration
14:00 - 17:00	Poster Set-up
18:00 - 21:00	Dinner

Tuesday, October 22, 2019	
Session I: Inauguration	
	Welcome and Inaugural Address Shubo Wan, President, SAAS
	Chairpersons: Shubo Wan
	Official Opening Words
8:30 - 9:20	National Leader:
8.30 - 3.20	Shandong Provincial Leader:
	Ministry of Agricultural and Rural Affairs of the P.R.C. leader:
	Shandong Academy of Ag. Sci. Leader:
	Delegation Opening Words
	Bob Parker, CEO and President, National Peanut Board
9:20 - 9:35	Chairpersons: Steve Brown
	Path to Success: Celebration, Recognition, Winning
9.20 - 9.33	Baozhu Guo, USDA-ARS
	Howard Valentine, Director, Peanut Foundation

9:35 - 10:00	Group Picture Tea/Coffee Break
Session II: Plenary Lecture	
(Celebration, Recognition, Winning)	
	Chairpersons: Boshou Liao & David Bertioli
10:00 - 10:30	Xinyou Zhang
	Henan Academy of Ag. Sci., China
10:30 - 11:00	Genomics applications in post-genome sequence era in groundnut: a way forward
	Rajeev Varshney ICRISAT, India
	The Future is now for accelerated peanut improvement
11:00 - 11:30	Josh Clevenger Mars & Wrigley, USA
11:30 - 12:00	Shubo Wan Shandong Academy of Ag. Sci., China
12:00 - 13:30	Lunch
	Session III: Peanut Genomics
	Chairpersons: Xinyou Zhang & Josh Clevenger
14:00 - 14:30	The Arachis hypogaea genome provides insight into the polyploid origin and differential A and B subgenome evolution Weijian Zhuang Fujian Agriculture and Forestry University
14:30 - 15:00	The neotetraploid peanut IpaDur1 provides a model for genetic and genomic studies and increases crop diversity Soraya Leal-Bertioli University of Georgia, USA
15:00 - 15:30	The genomes of cultivated peanut and its suspected wild progenitors Xiaoping Chen Guangdong Academy of Agricultural Sciences
15:30 - 16:00	Optimizing effective genomic selection strategy for achieving
15:30 - 16:00	higher genetic gains in groundnut Manish Pandey

16:00 - 16:20	Coffee and Tea Break
Session IV: Genetic Trait Mapping & Gene Discovery I	
Chairpersons: Weijian Zhuang & Daniel Fonceka	
16:20-16:40	Solving the Leaf Spot Problem in Peanut Thomas Stalker North Carolina State University, USA
16:40-17:00	Understanding the molecular basis of disease resistance of Arachis glabrata through transcriptome and genome sequencing
	Xingjun Wang Shandong Academy of Agricultural Sciences
17:00-17:20	Segmental subgenome exchange is captured in the nascent synthetic allotetraploid [A. ipaensis x A. correntina] 4x and its derivatives
	Ye Chu University of Georgia, USA
	Fine mapping towards identifying major QTLs and candidate resistance genes for TSWV on Chromosome A01 of Peanut
17:20-17:40	Chuanzhi Zhao University of Georgia, USA; Shandong Academy of Agricultural Sciences
17:40-18:00	The positional cloning of Bunch1 gene that controls branching habit in peanut
	Ran Hovav Plant Sciences Institute, ARO, Bet-Dagan, Israel
18:00 – 18:20	Increasing power to dissect morphological and disease resistance traits in peanut using multi-parental mapping populations
	Baozhu Guo USDA-ARS Crop Protection and Management Research Unit
19:00-21:00	Open Ceremony Dinner Grand Ballroom

	Wednesday, October 23, 2019		
Session V: Plenary Lecture			
	Chairperson: Victor Nwosu		
	The origin and evolution of peanut inform new pathways to genetic diversity and sustainability		
8:00 - 8:40	David Bertioli Professor and GRA (Georgia Research Alliance) Distinguished Investigator		
	University of Georgia, USA		
Session VI:	Genetic Trait Mapping & Gene Discovery II		
Chair	rpersons: Xingjun Wang & Peggy Ozias-Akins		
8:40 - 9:00	Marker Assisted Breeding to Develop Peanut Cultivars with Resistance to Late Leaf Spot		
8:40 - 9:00	Corley Holbrook		
	USDA-ARS Crop Breeding and Genetics Research Unit		
	Genome of an allotetraploid wild peanut Arachis monticola:		
9:00 - 9:20	a de novo assembly Dongmei Yin		
	Henen Agriculture University		
	Identification of QTL with resistance to Northern root-knot		
9:20 - 9:40	nematode in peanut		
9.20 - 9.40	Mei Yuan		
	Shandong Peanut Research Institute		
9:40 - 10:00	Identification of AhNPR-A04 as a leaf spot disease related gene in peanut through MutMap combined with BSR approach		
	Suoyi Han		
	Henan Academy of Agricultural Sciences		
10:00 - 10:20	Coffee and Tea Break		
Session	Session VII: Germplasm Diversity & Utilization		
Chai	rpersons: Chuanzhi Zhao & Rajeev Varshney		
10:20 - 10:40	Genetic diversity of historical and contemporary African germplasm lines		
10.20 - 10.40	Peggy Ozias-Akins		
	University of Georgia, USA		

10:40 - 11:00	Genomic analysis identifies genomic variation and history of peanut breeding
	Zheng Zheng
	Henan Academy of Agricultural Sciences
	Mobilizing genetic diversity for strengthening peanut
11.00 11.20	breeding programs in Africa
11:00 - 11:20	Daniel Fonceka
	National Agricultural Research Center, Senegal
	Twelve complete chloroplast genomes of wild peanuts:
	great genetic resources and a better understanding of
11:20 - 11:40	Arachis phylogeny
	Shihua Shan
	Shandong Peanut Research Institute
	Identification of abiotic stress tolerant germplasms and
	functional analysis of related genes in peanut (Arachis
11:40 - 12:00	hypogaea L.)
	Xiaoyuan Chi
	Shandong Peanut Research Institute
12:00 - 13:30	Lunch
	Session VIII: Crop Improvement I
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	Lifeng Liu Hebei Agricultural University
15:40 - 16:00	Screening of genomic selection training population for ahFAD2A and ahFAD2B mutant alleles responsible for high oleic trait in peanut (Arachis hypogaea L.)
	Sunil Chaudhari ICRISAT, INDIA
16:00 - 16:20	Coffee and Tea Break
	Session IX: Crop Improvement II
C	hairpersons: Shihua Shan & Jake Fountain
	Decreasing content of very long chain fatty acides in peanut
16:20 - 16:40	Dongxin Huai Chinese Academy of Agricultural Sciences, Oil Crop Research Institute
16:40 - 17:00	Comparative analysis of lipidomes and transcriptomes reveals molecular mechanism of cold tolerance in peanut
	Haiqiu Yu Shenyang Agricultural University
17:00 - 17:20	Evaluation of A. ipaënsis x A. correntina wild-peanut derived materials for resistance to fall armyworm
	Chandler Levisnon
	Chromosome correspondence between karyotype and genome sequence map of Arachis duranensis
17:20 - 17:40	Pei Du
	Henan Academy of Agricultural Sciences
	The Molecular and Ecological Mechanism of Improving Iron Nutrition in Peanuts Intercropped with Maize in Calcareous
17:40 - 18:00	Soil
	Yuanmei Zuo China Agricultural University
18:30 - 21:00	Dinner

Thursday, October 24, 2019	
	Session IX: Biotic & Abiotic Stresses
Chairpersons: Xinguo Li & Ran Hovav	
8:00 - 8:20	Understanding the genetic and molecular mechanisms for resistance to aflatoxin contamination in groundnut
	Rajeev K. Varshney ICRISAT, India
8:20 - 8:40	Identification of metabolites and transcripts involved in salt stress and recovery in peanut
	Guowei Li Shandong Academy of Agricultural Sciences
8:40 - 9:00	Virus Induced Gene Silencing of AhABI4s Enhance Salt Tolerance of Peanut Seedling via Regulation of Ion Homeostasis Lu Luo
	Shandong Agricultural University
9:00 - 9:20	Stress-related transcriptional signaling and its roles in aflatoxin production and stress tolerance in Aspergillus flavus
	Jake Fountain University of Georgia, USA
9:20 - 9:40	Identification and molecular mechanism dissection of drought resistance in peanut (Arachis hypogaea L.)
	Xiurong Zhang Shandong Agricultural University
0.40 10.00	Two adjacent genomic regions on chromosome B02 control genetic resistance to bacterial wilt in peanut
9:40 - 10:00	Huaiyong Luo Chinese Academy of Agricultural Sciences, Oil Crop Research Institute
10:00 - 10:20	Coffee and Tea Break
S	ession X: Crop Production & Cultivation
	Chairpersons: Zheng Zheng & Sunil Chaudhari
10:20 - 10:40	Progress in peanut photosynthesis under abiotic stress
10.20 - 10.40	Xinguo Li Shandong Academy of Agricultural Sciences
10:40 - 11:00	Farmer's perceived constraints to groundnut production, and their variety choice and preferred traits in eastern Ethiopia:

	implications for drought tolerance breeding	
	Seltene Abady University of KwaZulu-Natal, African Centre for Crop Improvement, South Africa; ICRISAT	
11:00 - 11:20	Comparative transcriptome analysis identified key genes for seed germination in response to Zn fertilizers in peanuts	
	Weichang Yu Shenzhen University	
11:20 - 11:40	Research on diversity of rhizosphere microorganism in peanut //maize intercropping system	
	Xiaozhu Chen Jilin Academy of Agricultural Sciences	
11:40 - 12:00	Identification of quantitative trait loci for surrogate traits of water use efficiency, pod yield and yield related traits in groundnut (Arachis hypogaea L.) under different water regimes	
	D. L. Savithramma University of Agricultural Sciences, GKVK, India	
12:00 - 13:30	Lunch	
	Session XI: The Path Forward	
AAGB and International Peanut Community		
	Chairperson: Tom Stalker & Steve Brown	
14:00 - 14:30	Closing Remarks	
14.00 14.00	Wan Shubo, President, SAAS	
14:30 - 17:30	Tour Shandong Academy of Agricultural Sciences	
19:00 - 22:00	Closing Remarks and Dinner	