Schedule of Events

Talks will be held in the St. Charles Ballroom. Posters will be displayed in the Mega Center.

Thursday, March 14

10:00 AM - 6:00 PM	OPTIONAL PRE-CONFERENCE WORKSHOPS	
10:00 AM – 3:00 PM 4:00 PM – 5:00 PM 5:00 PM – 6:00 PM	iPlant Collaborative Workshop (Utrillo Room) MaizeGDB "How to" Tutorials Session #1 (Utrillo Room) MaizeGDB "How to" Tutorials Session #2 (Utrillo Room) The two MaizeGDB tutorials are identical.	
	Pre-registration recommended for the above sessions.	
3:00 PM - 6:00 PM	REGISTRATION (Near Main Lobby)	
3:00 PM - 6:00 PM	POSTER HANGING (Mega Center)	
6:00 PM – 7:00 PM	DINNER (Mega Center)	
7:00 PM – 9:00 PM	SESSION 1 – PLENARY TALKS Chair: Phil Becraft Pages 23 & 24	
7:00 PM	WELCOME AND ANNOUNCEMENTS (St. Charles Ballroom) Phil Becraft	
7:15 PM	Mike Scanlon, Cornell University [Plen 1] Genetics of the maize shoot apical meristem	
8:05 PM	Julia Bailey-Serres, University of California, Riverside [Plen 2] Waterproofing plants: Sensing, signaling and response mechanisms	
9:00 PM - 12:00 AM	REGISTRATION (Mega Center)	
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY (Mega Center)	

Friday, March 15 7:00 AM - 8:00 AM **BREAKFAST** (Mega Center) 7:00 AM - 8:15 AM**REGISTRATION** (Mega Center) 8:00 AM - 10:15 AM **SESSION 2 - GENOME STRUCTURE. FUNCTION & EVOLUTION I** Chair: Jinsheng Lai Talks 1-6. Pages 29-32 8:00 AM ANNOUNCEMENTS (St. Charles Ballroom) Phil Becraft 8:15 AM Fei Lu, Cornell University [T1] Characterizing structural variation in 19,101 maize inbred lines 8:35 AM Wenbin Mei, University of Florida [T2] The alternative splicing landscape of maize 8:55 AM Candice Hirsch, Michigan State University [T3] Insights into the Maize (Zea mays L.) Pan Genome and Transcriptome 9:15 AM Marcela Dotto, Cold Spring Harbor Laboratory [T4] Analysis of leafbladeless1-dependent small RNAs: new insights into the tasiARFs pathway 9:35 AM Hao Wang, University of Georgia [T5] Twenty to Ten: Centromere Loss and Retention during the Descent of Maize from a Tetraploid Ancestor 9:55 AM Lin Wang, Donald Danforth Plant Science Center [T6] Exploring the mechanism of C_4 photosynthetic differentiation through a unified comparative analysis of maize and rice leaf transcriptomes **BREAK** 10:15 AM 10:45 AM - 12:25 PM **SESSION 3 – QUANTITATIVE GENETICS** Chair: Milena Ouzunova Talks 7-11. Pages 33-35 10:45 AM Eva Bauer, Technische Universität München Variation of recombination landscape in European Flint and Dent maiz.e 11:05 AM David Wills, University of Wisconsin [T8] From Many, One: Genetic Control of Prolificacy during Maize Domestication 11:25 AM **David Hessel, Iowa State University** [T9] Identification of genetic factors conferring resistance to Western corn rootworm beetles, "The Billion Dollar Pest of Maize" 11:45 AM **Bode Olukolu, North Carolina State University** [T10] A Connected Set of Genes Associated with Programmed Cell Death Implicated in Controlling the Hypersensitive Response in Maize 12:05 PM Jianbing Yan, Huazhong Agricultural University [T11]

quantitative traits in maize

Genome-wide association study dissects the genetic architecture of

Friday, March 15 (continued)

12:30 PM – 1:30 PM	LUNCH (Mega Center)
1:30 PM - 5:00 PM	POSTER SESSION 1 (Mega Center)
1:30 PM – 3:00 PM 3:00 PM – 4:30 PM	Presenters should be at odd numbered posters. Presenters should be at even numbered posters.

Beverages will be available from 3:30 PM to 5:00 PM.				
5:00 PM – 6:00 PM	SESSION 4 – GENOME STRUCTURE, FUNCTION & EVOLUTION II			
	Chair: Nathan Springer	Talks 12-16. Pages 36 & 37		
5:00 PM	Tao Zuo, Iowa State University <i>Phenotypic and transcriptional importantion (CNV) in maize</i>	[T12] acts of a specific copy number		
5:20 PM	Mei Zhang, China Agricultural University [T13] Genome-wide Single Base Resolution Allele Specific DNA and Histone Methylation Profile in Maize Endosperm			
5:40 PM	Gernot Presting, University of Haw Getting Hitched: retrotransposons, of centromere drive			
6:00 PM – 7:00 PM	DINNER (Mega Center)			
7:00 PM – 9:00 PM	SESSION 5 – DROUGHT WORK Chair: Bob Bensen	SHOP Workshop talks 1-3. Pages 27 & 28		
7:00 PM	Roberto Tuberosa, University of B Enhancing drought tolerance in mai the new?			
7:30 PM	Mark Cooper, DuPont Pioneer Breeding for Drought Tolerance: Di	[W2] scovery to Product		
8:00 PM	Daniel Dyer, Syngenta Seeds, Inc. Genetics at the Center of Corn Wate	[W3] r Optimization Solutions		
8:30 PM	Panel Discussion			
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING (Mega Center)	& HOSPITALITY		

Saturday, March 16

7:00 AM - 8:00 AM	BREAKFAST (Mega Center)
8:00 AM – 10:15 AM	SESSION 6 – BIOCHEMICAL & MOLECULAR GENETICS Chair: Peter Balint-Kurti Talks 15-20. Pages 38-4
8:15 AM	Georg Jander, Boyce Thompson Institute A genetic and biochemical basis for natural variation in maize aphid resistance
8:35 AM	Karl Haro von Mogel, University of Wisconsin-Madison The mapping, genetic analysis, and phenotypic characterization of sugary enhancer1 (se1)
8:55 AM	Marna Yandeau-Nelson, Iowa State University Defining the genetic and metabolic networks responsible for surface hydrocarbon production on maize silks
9:15 AM	Christy Gault, University of Florida [T18] Deep mRNA-sequencing of rough endosperm3 seedlings reveals altered splice site usage due to reduced function of splicing factor URI
9:35 AM	Eli Borrego, Texas A&M University Lipid-mediated signaling between maize and pathogens is required for disease development or defense
9:55 AM	Angi Xing, China Agricultural University Map-based cloning and characterization of a maize yellow seedling mutant and its modifier
10:15 AM – 10:45 AM	BREAK
10:15 AM – 10:45 AM 10:45 AM – 12:25 PM	BREAK SESSION 7 – CELL & DEVELOPMENTAL GENETICS Chair: Mark Settles Talks 21-25. Pages 42-4-
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10:45 AM – 12:25 PM	SESSION 7 – CELL & DEVELOPMENTAL GENETICS Chair: Mark Settles Talks 21-25. Pages 42-4 Thomas Slewinski, Cornell University Origin and Genetics of Kranz Anatomy and C4 Anatomical
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10:45 AM – 12:25 PM 10:45 AM 11:05 AM	SESSION 7 – CELL & DEVELOPMENTAL GENETICS Chair: Mark Settles Talks 21-25. Pages 42-4. Thomas Slewinski, Cornell University [T21 Origin and Genetics of Kranz Anatomy and C4 Anatomical Specialization Amanda Durbak, University of Missouri [T22 Transport of boron and water by the tassel-less1 aquaporin is critical for vegetative and reproductive development in maize Gokhan Kir, Iowa State University [T23]

Saturday, March 16 (continued)

12:30 PM – 1:30 PM	LUNCH (Mega Center)		
1:30 PM – 5:00 PM	POSTER SESSION 2 (Mega Center)		
1:30 PM - 3:00 PM 3:00 PM - 4:30 PM	Presenters should be at even numbered posters. Presenters should be at odd numbered posters.		
Beverages will be available from 3:30 PM to 5:00 PM.			
5:00 PM – 6:00 PM	COMMUNITY SESSION - Maize Genetics I MGEC Chair: Ed Buckler	Executive Committee (St. Charles Ballroom)	
6:00 PM – 7:00 PM	DINNER (Mega Center)		
7:15 PM – 8:55 PM	SESSION 8 – PLENARY TALKS Chair: Phil Becraft	Pages 25 & 26	
7:15 PM	Jen Sheen, Massachusetts General Hospital <i>Glucose Signaling Networks</i>	[Plen 3]	
8:05 PM	James Holland, USDA-ARS, North Carolina The diversity of maize	State Univ. [Plen 4]	
9:00 PM – 2:00 AM	INFORMAL POSTER VIEWING / DANCE	(Mega Center)	

Sunday, March 17

7:00 AM – 8:20 AM **BREAKFAST** (Mega Center)

Posters should be taken down by 9 am!

8:20 AM – 9:50 AM	SESSION 9 – NEW RESOURCES & APPROACHES TO MAIZE RESEARCH		
	Chair: John Fowler	Talks 26-29. Pages 45 & 46	
8:20 AM	ANNOUNCEMENTS Phil Becraft	(St. Charles Ballroom)	
8:30 AM	Justin Walley, University of Reconstruction of Protein New Proteotypes	f California San Diego [T26] tworks from an Atlas of Maize Seed	
8:50 AM	Yubin Li, Waksman Institu A sequence-indexed reverse g		
9:10 AM	Jason Wallace, Cornell Univ The Relative Contribution of Natural Phenotypic Variation	Genic and Intergenic Polymorphisms to	
9:30 AM	Carson Andorf, USDA-ARS MaizeGDB: everything old is		
9:50 AM	BREAK		
10:20 AM – 11:30 AM	SESSION 10 – NEW RESO TO MAIZE Chair: Ann Stapleton	URCES & APPROACHES RESEARCH II Talks 30-32. Pages 47-49	
10:20 AM	Christopher Topp, Duke Ur Live 3D imaging reveals the e yield traits on maize root syst	effects of long-term recurrent selection for	
10:40 AM	Manpreet Katari, New Yorl VirtualMaize: A Software pla research in Crops	k University [T31] tform for translational Systems Biology	
11:00 AM	Hilde Nelissen, Flanders Ins Growth Dyn-omics: studying interactomics within the grow	the dynamics of transcriptomics and	
11:30 AM	ADJOURNMENT		