## **Schedule of Events**

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

## Thursday, March 12

2:30 PM - 6:00 PM	OPTIONAL PRE-CONFERENCE WORKSHOPS	
2:30 PM - 3:00 PM 3:00 PM - 4:00 PM 4:00 PM - 5:00 PM 5:00 PM - 6:00 PM	A Quick Tour of Araport: the Arabidopsis Information Portal (Ruby Room) "Gene Tagging with Green Ds" Maize workshop (Ruby Room) MaizeGDB Basics workshop (Ruby Room) MaizeGDB Advanced Usage workshop (Ruby Room)	
	Pre-registration recommended for the above sessions.	
3:00 PM – 8:30 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: Mark Settles	
7:00 PM	WELCOME AND ANNOUNCEMENTS (St. Charles Ballroom) Mark Settles	
7:15 PM	Paula McSteen, University of Missouri[Plen 1]Auxin and maize inflorescence development	
8:05 PM	Xuemei Chen, University of California, Riverside Small RNAs, a fascinating part of the transcriptome  [Plen 2]	
9:00 PM – 10:00 PM	REGISTRATION (Mega Center)	
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY (Mega Center)	

## Friday, March 13

Triday, waren 13		
7:00 AM – 8:00 AM 7:00 AM – 8:15 AM	BREAKFAST (Mega Center) REGISTRATION (Mega Center)	
8:00 AM – 10:15 AM	SESSION 2 - BIOCHEMICAL GENETICS Chair: Wes Bruce	
8:00 AM	ANNOUNCEMENTS Mark Settles	(St. Charles Ballroom)
8:15 AM	Vinzenz Handrick, Max Planck Institute for C Elucidation of the final steps of benzoxazinoid	
8:35 AM	Vered Tzin, Boyce Thompson Institute for I Characterization of biological processes occur response to aphid feeding	
8:55 AM	Shawn Christensen, USDA-ARS The maize death acids, 10-oxo-11-phytoenoic demonstrate specificity in jasmonate-related s	
9:15 AM	Guan-Feng Wang, North Carolina State Un Molecular and Functional Analyses of a Maize Aud Identify Precise Structural and Subcellular Require	oactive NB-LRR Protein
9:35 AM	Junya Zhang, University of Florida The maize defective kernel5 (dek5) locus encode protein required for plastid division, membrane accumulation	<u> </u>
9:55 AM	R. Frank Baker, University of Missouri Localization of maize SUCROSE TRANSPORTE into phloem loading and sucrose retrieval	[T6] [T6] [T6] [T6]
10:15 AM	BREAK	
10:45 AM – 12:25 PM	SESSION 3 – MOLECULAR GENETICS Chair: Petra Wolters	
10:45 AM	Peng Yu, University of Bonn Local high nitrate modulates auxin transport in lateral root initiation	[T7] maize leading to altered
11:05 AM	Neil Robbins, Stanford University Root hydropatterning: local water availability as root initiation	[T8] cts as a signal for lateral
11:25 AM	Rentao Song, Shanghai University Genome-wide characterization of cis-acting DNs transcriptional regulatory framework of Opaque	e e
11:45 AM	Erich Grotewold, Ohio State University Combinatorial Gene Regulation by R is Modular Interactions	[T10] red by Small Molecule
12:05 PM	John Gray, University of Toledo The Maize TFome - development of a transcripti frame collection for functional genomics	[T11] on factor open reading

## Friday, March 13 (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.

4:40 PM – 6:00 PM	SESSION 4 – GENOME EDITING WORKSHOP Chair: David Jackson	
4:40 PM	David Jackson, Cold Spring Harbor Laboratory Introduction to Genome Editing	
4:45 PM	<b>Stephen Novak, Dow AgroSciences</b> A Modular and Flexible Gene Targeting System for Multigenerati Transgene Stacking in Plants	[W1] Ional
5:00 PM	Bing Yang, Iowa State University CRISPR/Cas9- and TALEN-mediated mutagenesis in rice and materials.	[W2] ize
5:15 PM	Jinjie Zhu, China Agricultural University Highly efficient and heritable targeted genome editing in maize us CRISPR-Cas9	[W3] sing
5:30 PM	Mark Cigan, DuPont Pioneer CRISPR-Cas genome editing in maize	[W4]
5:45 PM	Panel Discussion	
6:00 PM – 7:00 PM	DINNER (Mega Center)	
7:00 PM – 9:00 PM	SESSION 5 – MCCLINTOCK PRIZE PRESENTATION Chair: Carolyn Lawrence	
7:00 PM	Carolyn Lawrence, Iowa State University McClintock Prize Presentation	
7:30 PM	Sue Wessler, University of California at Riverside The Success Strategies of a Bursting Transposon	[M1]
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY (Mega Center)	

## Saturday, March 14

7:00  AM - 8:00  AM	BREAKFAST (Mega Center)	
8:00 AM – 10:15 AM	SESSION 6 – CYTOGENETICS & GENOMICS Chair: Ruairidh Sawers	
8:00 AM	ANNOUNCEMENTS Mark Settles  (St. Charles	s Ballroom)
8:15 AM	Wojtek Pawlowski, Cornell University Genomic features shaping the landscape of recombination maize	[T12] hotspots in
8:35 AM	Fangpu Han, Chinese Academy of Sciences De novo centromere formation in maize	[T13]
8:55 AM	Hank Bass, Florida State University Linking Chromatin Structure to Genomic Function through Nuclease Sensitivity (DNS-seq) and Nucleosome Occupancy	
9:15 AM	Candice Hirsch, University of Minnesota Insights into the relationship between structural diversity at transcriptional diversity in maize	[T15] nd
9:35 AM	Gil Ronen, NRGene Comparing several maize reference genomes as a tool to di conserved and variable key genetic elements in maize	[T16] scover
9:55 AM	Robert Schaefer, University of Minnesota Integrating tissue specific co-expression networks with NAM prioritize candidate gene sets	[T17] A GWAS to
10:15 AM – 10:45 AM	BREAK	
10:45 AM – 12:25 PM	SESSION 7 – CELL & DEVELOPMENTAL BIOLOGY Chair: Amanda Wright	Y
10:45 AM	Byoung Il Je, Cold Spring Harbor Laboratory The maize FASCIATED EAR3 gene reveals a new CLAVAT system, and controls ear size and stem cell proliferation by from differentiating cells	
11:05 AM	Samuel Leiboff, Cornell University Natural variation of maize shoot apical meristem morpholo	[T19]
11:25 AM	Sivanandan Chudalayandi, Iowa State University Cytokinin hypersignaling reprograms maize proximal-dista patterning	[T20] il leaf
11:45 AM	Katherine Petsch, Cold Spring Harbor Laboratory A novel DICER-LIKE1 pathway in maize buffers for loss of LIKE4 in tasiR-ARF biogenesis	[T21] FDICER-
12:05 PM	Michelle Facette, University of California, San Diego The SCAR/WAVE complex polarizes PAN receptors and predivision asymmetry in maize	[T22] omotes

## Saturday, March 14 (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	e available from 3:30 PM to 5:00 PM.	
5:00 PM – 6:00 PM	COMMUNITY SESSION - Maize Genetics Executive Com MGEC Chair: Carolyn Lawrence (St. Charles B	
6:00 PM – 7:00 PM	DINNER (Mega Center)	
7:00 PM – 8:55 PM	SESSION 8 – PLENARY TALKS Chair: Jinsheng Lai	
7:15 PM	Dirk Inzé, Ghent University, Belgium Plant growth beyond limits	[Plen 3]
8:05 PM	Shawn Kaeppler, University of Wisconsin-Madison Tuning developmental timing to maximize maize productivity	[Plen 4]
9:00 PM – 2:00 AM	INFORMAL POSTER VIEWING / DANCE (Mega Center)	)

# Sunday, March 15

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 – QUANTITATIVE GENETICS & BREEDING Chair: Sherry Flint-Garcia	ŕ
8:20 AM	ANNOUNCEMENTS (St. Charles Ba Mark Settles	llroom)
8:30 AM	Randy Wisser, University of Delaware  Macroscopic microscopy: elucidating mechanisms of pathogen resistance for genes associated with quantitative defense	[T23]
8:50 AM	<b>Timothy Beissinger, University of California, Davis</b> Patterns of demography and selection since maize domestication	[T24]
9:10 AM	Xufeng Wang, China Agricultural University Dissecting the regulatory divergence between maize and its proteosinte	[T25] genitor,
9:30 AM	Seth Murray, Texas A&M University  Multi-parent and intermating population design effects on general mapping resolution of major color genes	[T26]
9:50 AM	BREAK	
10:20 AM – 11:30 AM	SESSION 10 – TRANSPOSONS & EPIGENETICS Chair: David Braun	
10:20 AM	Elizabeth Buescher, Purdue University mop1 impacts the maternal contribution to maize seed	[T27]
10:40 AM	Jonathan Gent, University of Georgia  RNA-directed DNA methylation in suppression of intronic transposons: minimizing collateral damage on host gene express	[T28] sion?
11:00 AM	Erik Vollbrecht, Iowa State University Ds mutagenesis and a de novo W22 genome sequence	[T29]
11:30 AM	ADJOURNMENT	