Schedule of Events

Talks will be held in the Regency Ballroom. Posters will be displayed in the Midway.

Thursday, March 9

2:00 PM – 6:00 PM	OPTIONAL PRE-CONFERENCE WORKSHO	PS
2:00 PM - 3:30 PM	"The Maize Genomes"	Midway Suite 4
2:00 PM - 3:30 PM	"Losing the Fear of the Command Line Part I	Midway Suite 3
3:30 PM – 4:30 PM	"The Carpenter Workshop: Maize, Missouri,	
	and Meeting the Need"	Midway Suite 4
3:30 PM - 4:30 PM	"Career Opportunities"	Midway Suite 3
4:30 PM – 6:00 PM	"Maize Tools & Resources"	Midway Suite 4
4:30 PM – 6:00 PM	"Losing the Fear of the Command Line Part II"	Midway Suite 3
	Pre-registration recommended for the above sessions.	
3:00 PM – 9:30 PM	REGISTRATION (Depot Registration Office)	
3:00 PM - 6:00 PM	POSTER HANGING (Midway)	
6:00 PM – 7:00 PM	DINNER (Midway)	
7:00 PM – 9:00 PM	SESSION 1 – PLENARY TALKS Chair: David Braun (Regency Ballroom)	
7:00 PM	WELCOME AND ANNOUNCEMENTS (Re	egency Ballroom)
7:15 PM	Nathan Springer, University of Minnesota Shedding light on the dark spaces of the maize genome	Q
8:05 PM	Rebecca Nelson, Cornell University Sacrificing for security? Trade-offs related to disease resistance in plants	
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITAL (Midway)	LITY

Friday, March 10

7:00 AM – 8:00 AM 7:00 AM – 1:30 PM	BREAKFAST (Midway) REGISTRATION (Depot Registration Office	ce)
8:00 AM – 9:55 AM	SESSION 2 – THE MAIZE GENOMES Chair: Gernot Presting (Regency Ballroom)	Talks 1-5.
8:00 AM	ANNOUNCEMENTS	(Regency Ballroom)
8:15 AM	Kelly Dawe, University of Georgia A novel maize kinesin causes neocentromere ac altering inheritance patterns across the genome	•
8:35 AM	Maud Tenaillon, Le Moulon – INRA, Fran Evolutionary genomics of European maize and	
8:55 AM	Miguel Vallebueno-Estrada, Cinvestav, Me Genetic diversity and genomic constitution of a dated 5300 to 5000 years before present	
9:15 AM	Tim Kelliher, Syngenta <i>MATRILINEAL, a sperm-specific phospholipas induction</i>	[T4] e, triggers maize haploid
9:35 AM	Alyssa Anderson, University of California, Understanding maize development through the and its phenotypic modifier: Sympathy for the land	Liguless narrow mutant
9:55 AM	BREAK	
10:45 AM – 12:25 PM	SESSION 3 – THE GENES THAT MAKE Chair: Karen McGinnis (Regency Ballroom)	EMAIZE I Talks 6-10.
10:45 AM	Hannes Claeys, Cold Spring Harbor Labor Natural variation in meristem size regulation: a hypomorphic allele of thick tassel dwarf1 modifies fasciated ear2 and increases kernel row number	a naturally occurring fies the phenotype of
11:05 AM	Silvio Salvi, University of Bologna, Italy Cloning of Vgt3, a major QTL for flowering tim	[T7] ne in maize
11:25 AM	Dean DellaPenna, Michigan State University Natural variation for Vitamin E content is controlled to the Content of the Content	
11:45 AM	Stacie Shuler, University of Wisconsin-Ma Return to near-normal starch accumulation: the of pullulanase in a su1-ref background	
12:05 PM	Zhaobin Dong, University of California, Bo	erkeley [T10]

Friday, March 10 (continued)

12:30 PM – 1:30 PM	LUNCH (Midway)
1:30 PM – 5:00 PM	POSTER SESSION 1 (Midway)
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 2:30 PM to 4:00 PM.

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4:40 PM – 6:00 PM	SESSION 4 – THE GENES THAT MAKE MAIZE II
	Chair: Petra Wolters (Regency Ballroom) Talks 11-14.
4:40 PM	Mona Mazaheri, University of Wisconsin-Madison [T11] Zmm22 gene in maize has pleiotropic effects on traits important for the production of food, feed, and fuel
5:00 PM	Nelson Garcia, Rutgers University The maize dek34-Dsg encodes Tti2, a member of the TTT complex essential for PIKK stability [T12]
5:20 PM	Camila Ribeiro, University of Florida [T13] Engineering amyloplast 6-phosphogluconate dehydrogenase activity to improve heat stability of the oxidative pentose phosphate pathway
5:40 PM	Adrienne Moran Lauter, USDA-ARS [T14] Pectinmethylesterase (PME) is differentially expressed in Ga1-S silks and maps to a PME-repeat region near the Ga1-S locus
6:00 PM – 7:00 PM	DINNER (Midway)
7:00 PM – 9:00 PM	SESSION 5 – MCCLINTOCK PRIZE PRESENTATION Chair: Shawn Kaeppler (Regency Ballroom)
7:00 PM	Shawn Kaeppler, MGEC Chair Early- and Mid-Career Awards
7:10 PM	Jim Birchler, University of Missouri McClintock Prize Presentation
7:30 PM	Michael R. Freeling, University of California at Berkeley Mutagenic consequences of polyploidy and how plant polyploids repeatedly avoided extinction and took over the world
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY (Midway)

Saturday, March 11

Saturday, March 11	
7:00 AM – 8:00 AM 7:30 AM – 12:30 PM	BREAKFAST (Midway) REGISTRATION (Depot Registration Office)
8:00 AM – 10:00 AM	SESSION 6 – EXPRESSING THE GENOME Chair: Andrea Eveland (Regency Ballroom) Talks 15-20.
8:00 AM	Qi Li, Chinese Academy of Sciences, China [T15] Maize imprinted gene floury3 encodes a PLATZ protein required for tRNA and 5S rRNA transcription through interaction with RNA Polymerase III
8:20 AM	Steffen Knauer, Cold Spring Harbor Laboratory [T16] An expression atlas of the maize shoot apex reveals signatures TFs as important drivers for cell identity and sub-functionalization of key downstream factors
8:40 AM	Prakitchai Chotewutmontri, University of Oregon [T17] Contribution of translational control to establishing the distinct proteomes of bundle sheath and mesophyll cells in maize
9:00 AM	Wenwei Xiong, Montclair State University [T18] Highly-interwoven communities of gene regulatory network unveil crucial genes for maize seed development
9:20 AM	Thomas Hartwig, Stanford University Functional analysis of genetic variation of the brassinosteroid cisregulatory network using hybrid allele-specific ChIP-Seq
9:40 AM	Amy Siebert, Oakland University [T20] Evolutionarily conserved role of a novel RNA binding protein involved in the splicing of U12-type introns
10:00 AM – 10:45 AM	BREAK
10:45 AM – 12:25 PM	SESSION 7 – COMMUNICATING WITHIN AND BETWEEN CELLS AND PLANTS Chair: Michael Muszynski (Regency Ballroom) Talks 21-25.
10:45 AM	Marisa Otegui, University of Wisconsin, Madison [T21] Regulation of vacuolar trafficking by autophagy in maize aleurone cells
11:05 AM	Rachel Wang, Academia Sinica, Taiwan [T22] The mitosis-to-meiosis transition of pollen mother cells is controlled independently by Mac1 and Am1 in maize
11:25 AM	Claudiu Niculaes, Technical University of Munich, Germany [T23] A combination of pharmacological approaches and genetics provides insights into benzoxazinoid exudation by young maize roots
11:45 AM	Alisa Huffaker, University of California, San Diego [T24] Comparative phosphoproteomic analysis of immunoregulatory signaling in maize and arabidopsis
12:05 PM	Xiquan Gao, Nanjing Agricultural University, China [T25] Crosstalk between 9-oxylipins and jasmonates pathways modulates the maize resistance to stem rot caused by Fusarium graminearum

Saturday, March 11 (continued)

12:30 PM – 1:30 PM	LUNCH (Midway)	
1:30 PM - 5:00 PM	POSTER SESSION 2 (Midway)	
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 2:30 PM to 4:00 PM.	
5:00 PM – 6:00 PM	COMMUNITY SESSION - Maize Genetics Ex MGEC Chair: Shawn Kaeppler	ecutive Committee (Regency Ballroom)
6:00 PM – 7:00 PM	DINNER (Midway)	
7:00 PM – 8:55 PM	SESSION 8 – PLENARY TALKS Chair: Alain Charcosset (Regency Ballroom)	
7:00 PM	ANNOUNCEMENTS	(Regency Ballroom)
7:15 PM	Jane Glazebrook, University of Minnesota Plant immunity - The signaling network and the role calmodulin-binding proteins	[Plen 3] e of a family of
8:05 PM	Philip Becraft, Iowa State University Regulation of endosperm development: Insights and	[Plen 4] surprises
9:00 PM – 2:00 AM	INFORMAL POSTER VIEWING/DANCE (M	(idway)

Sunday, March 12

7:00 AM – 8:20 AM **BREAKFAST** (Midway)

Posters should be taken down by 9 am!

8:20 AM – 9:50 AM	SESSION 9 – INTERACTIONS WITH THE ENVIR Chair: Ivan Baxter (Regency Ballroom)	RONMENT Talks 26-29.
8:20 AM	ANNOUNCEMENTS (Reg	gency Ballroom)
8:30 AM	Qin Yang, North Carolina State University A caffeoyl-CoA O-methyltransferase gene confers quantita to multiple pathogens in maize	[T26] ative resistance
8:50 AM	Davide Sosso, Stanford University Corn smut sugar pathophysiology detected by live FRET in	[T27] maging
9:10 AM	Shaoqun Zhou, Cornell University Genetic control of maize biochemical defense against Fusa graminearum seedling blight.	[T28] arium
9:30 AM	Ross Zhan, Purdue University A forward genetics approach to explore natural variation enhancer/suppressors identifies components of the guard simmunity	•
9:50 AM	BREAK	
10:20 AM – 11:30 AM	SESSION 10 – EMERGING TOOLS & CHALLENG Chair: Sylvia Morais de Sousa (Regency Ballroom)	GES Talks 30-32.
10:20 AM	David Wills, USDA-ARS Testing hypotheses on adaptation with exotic allele series loci in maize	[T30] at photoperiod
10:40 AM	Karl Kremling, Cornell University Revealing the regulatory impacts of rare variants in maize RNASeq	[T31] with low cost
11:00 AM	Carolyn Rasmussen, University of California, Rivers Mathematical modeling predicts division plane orientation	
11:30 AM	ADJOURNMENT	