Schedule of Events

Thursday, March 17

3:00 PM - 6:00 PM	REGISTRATION / POSTER HANGING
6:00 PM - 7:00 PM	DINNER
7:00 PM – 7:15 PM	WELCOME AND ANNOUNCEMENTS
7:15 PM – 9:00 PM	SESSION 1 – PLENARY TALKS
	Chair: Erik Vollbrecht
7:15 PM	Elizabeth Lee, University of Guelph
0.05 73.5	Grain Yield, the known knowns and the known unknowns
8:05 PM	Simon Chan, UC Davis
	Engineering centromeres to produce haploid plants
9:00 PM - 1:00 AM	INFORMAL POSTER VIEWING / REGISTRATION

Friday, March 18

7:00 AM – 8:00 AM	BREAKFAST
8:00 AM – 8:15 AM	ANNOUNCEMENTS
8:15 AM – 10:15 AM	SESSION 2 - TRANSPOSONS, EPIGENETICS AND DOMESTICATION Chair: Karen Koch
8:15 AM	Anthony Studer, University of Wisconsin-Madison A Transposon Insertion was the Causative Mutation in the Maize Domestication Gene tb1
8:35 AM	Jose Gutierrez-Marcos, University of Warwick Large-scale epigenetic reprogramming during maize seed development
8:55 AM	Hong Li, University of California, Berkeley Coordinate regulation of multiple targets of epigenetic silencing during maize development
9:15 AM	Huanhuan Jiang, BGI Genome-wide patterns of genetic variation among elite maize inbreds
9:35 AM	James Schnable, University of California, Berkeley The two different genomes within maize: differences in post-WGD gene loss, PAV, expression, and classical maize genes
9:55 AM	Matthew Hufford, University of California, Davis Genome-wide effects of domestication and improvement in landraces and modern maize
10:15 AM	BREAK
10:45 AM – 12:25 PM	SESSION 3 – CYTOGENETICS AND KERNEL DEVELOPMENT Chair: Mark Cigan
10:45 AM	Hank Bass, Florida State University SUN (Sad1p/Unc-84) Domain Genes Of Maize: Evidence for a Small Gene Family of Two Ancient Isoforms
11:05 AM	Ashley Lough, University of Missouri <i>Mitochondrial DNA Sequences in the Nuclear Genomes of Diverse Maize Lines</i>
11:25 AM	Elizabeth Takacs, Cornell University Analyses of shoot meristem organization during maize embryo development
11:45 AM	Masaharu Suzuki, University of Florida VP8 and BE1, two distinct membrane-localized proteins, regulate embryo development and lateral organ numbers.
12:05 PM	Philip Becraft, Iowa State University A negative regulator and duplicate IDD transcription factors control aleurone cell differentiation

Friday, March 18 (continued)

12:30 PM - 1:30 PM **LUNCH**

1:30 PM – 5:00 PM **POSTER SESSION 1**

Presenters should be at odd numbered posters from 1:30 PM to 3:00 PM. Presenters should be at even numbered posters from 3:00 PM to 4:30 PM. Beverages will be available from 3:30 PM to 5:00 PM.

5:00 PM – 6:15 PM	SESSION 4 – RESOURCES FOR MAIZE GENETICS, GENOMICS AND BIOLOGY	
	Chair: Nathan Springer	
5:00 PM	Donald McCarty, University of Florida New mutants in accessible UniformMu seed stocks	
5:12 PM	Alice Barkan, University of Oregon Use of Illumina Sequencing to Identify Transposon Insertions Underlying Mutant Phenotypes in High-Copy Mutator Lines of Maize	
5:24 PM	Justin Walley, University of California, San Diego Peptide-Driven Gene Models and Protein Atlas of the Developing Maize Seed	
5:36 PM	Hilde Nelissen, Flanders Institute of Biotechnology and Gent University The maize leaf: an ideal tool to study cell division and cell expansion, the processes driving growth	
5:48 PM	Carson Andorf, United States Department of Agriculture - Agriculture Research Service (USDA-ARS) Reinventing MaizeGDB	
6:00 PM	Jer-Ming Chia, Cold Spring Harbor Laboratory Maize HapMapV2 - Capturing variation in a genome in flux	
6:30 PM – 7:45 PM	DINNER	
8:00 PM - 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY	

Saturday, March 19

7:00 AM – 8:15 AM	BREAKFAST
8:15 AM – 10:15 AM	SESSION 5 – QUANTITATIVE GENETICS AND SYSTEMS
	BIOLOGY Chair: Jane Dorweiler
8:15 AM	Jagdeep Kaur, Donald Danforth Plant Science Center Toward Fusarium ear rot resistant fumonisins-free transgenic maize for sub-Saharan Africa
8:35 AM	Judith Kolkman, Cornell University Comprehensive association, linkage and mutant analysis implicate Tasselseed2 in defense response in maize
8:55 AM	Guri Johal, Purdue University Integrating MAGIC and NAM to enrich the genetic network underlying the maize immune response
9:15 AM	Gregory Downs, University of Guelph <i>Identification and Characterization of Gene Coexpression Networks in Maize Development</i>
9:35 AM	Richard Johnson, University of Illinois Ear Shoot Meristem Transcript Abundance and Grain Yield
9:55 AM	Andrea Eveland, Cold Spring Harbor Laboratory A systems approach to elucidating transcriptional networks that control maize inflorescence architecture
10:15 AM – 10:45 AM	BREAK W/ BEVERAGES
10:45 AM – 12:25 PM	SESSION 6 – DEVELOPMENTAL AND CELL BIOLOGY Chair: Paula McSteen
10:45 AM	Charles Hunter, University of Florida A narrow-leaf warty phenotype and cell division anomalies result from mutations in maize Cellulose Synthase-like D1
11:05 AM	Jihyun Moon, University of California, Berkeley The grass specific liguleless narrow gene and its paralog regulate leaf development in maize
11:25 AM	Jong-Jin Han, Cold Spring Harbor Laboratory and Stony Brook University The maize mutant Tunicate1 is caused by ectopic expression of a MADS-box transcription factor, Zmm19 gene in a dosage-dependent manner
11:45 AM	Xiang Yang, Iowa State University RAMOSA1 interacts with KNOTTED1 and regulates meristem determinacy via gibberellins during maize inflorescence development
12:05 PM	Peter Bommert, Cold Spring Harbor Laboratory Natural variation and new pathways in maize meristem size regulation
12:30 PM – 1:30 PM	LUNCH

Saturday, March 19 (continued)

1:30 PM -	5.00 DM	POSTED	SESSION 2
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Presenters should be at even numbered posters from 1:30 PM to 3:00 PM. Presenters should be at odd numbered posters from 3:00 PM to 4:30 PM. Beverages will be available from 3:30 PM to 5:00 PM.

5:00 PM – 6:00 PM	COMMUNITY SESSION - Maize Genetics Executive Committee
6:00 PM – 7:00 PM	DINNER
7:15 PM – 9:00 PM	SESSION 7 – PLENARY TALKS
	Chair: Uta Paszkowski
7:15 PM	Ron Phillips, University of Minnesota Good science in maize genetics: is serendipity involved?
8:05 PM	Ueli Grossniklaus, University of Zurich <i>Epigenetic control of seed development in Arabidopsis</i>
9:00 PM – 2:00 AM	INFORMAL POSTER VIEWING & DANCE

Sunday, March 20

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7:00 AM – 8:20 AM	BREAKFAST
8:20 AM – 8:30 AM	ANNOUNCEMENTS
8:30 AM – 9:50 AM	SESSION 8 – BIOCHEMICAL GENETICS / FUNCTIONAL GENOMICS I
	Chair: Bob Bensen
8:30 AM	Xinhui Shi, University of Toledo The roles of ZmMYB31 and ZmMYB42 in the regulation of the maize lignin biosynthetic pathway
8:50 AM	Rajeev Gupta, Pioneer Hi-Bred International, Inc. Engineering N Storage Capacity of Plants to Improve NUE
9:10 AM	Yuanxin Yan, Texas A&M University Diverse roles of jasmonic acid in reproductive development and defense as revealed by the analyses of the JA-deficient OPR mutants
9:30 AM	Federico Martin, University of Florida Maize threonine synthase mutants cause an embryo-lethal, rough endosperm phenotype
9:50 AM	BREAK
10:20 AM – 11:30 AM	SESSION 8 – BIOCHEMICAL GENETICS / FUNCTIONAL GENOMICS II Chair: John Fowler
10.00 13.5	
10:20 AM	Nengyi Zhang, Cornell University Genome-wide association study of carbon and nitrogen metabolism in the maize nested association mapping population
10:40 AM	Annett Richter, Martin Luther University Halle Identification of regulatory elements of terpene biosyntheses by Nested Association Mapping (NAM) and Genome Wide Association Study (GWAS)
11:00 AM	Sanzhen Liu, Iowa State University Segregation of Non-allelic Homologs Generates Transgressive Variation in Genome Content
11:30 AM	ADJOURNMENT