# **Schedule of Events**

Talks will be held in the Lloyd Center Ballroom. Posters will be displayed in the Exhibit Hall.

## Thursday, March 15

3:00 PM - 6:00 PM	REGISTRATION (Near Main Lobby)		
3:00 PM - 6:00 PM	POSTER HANGING (Exhibit Hall)		
3:00 PM – 6:00 PM	OPTIONAL PRE-CONFERENCE WORKSHOPS MaizeGDB "How to" Tutorials (Oregon Room) Three sessions, beginning on each hour, pre-registration recommended		
6:00 PM – 7:00 PM	<b>DINNER</b> (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms)		
7:00 PM – 7:15 PM	<b>WELCOME AND ANNOUNCEMENTS</b> (Lloyd Center Ballroom) John Fowler		
7:15 PM – 9:00 PM	SESSION 1 – PLENARY TALKS Chair: Paula McSteen	Pages 21 & 22	
7:15 PM	<b>Bill Tracy, University of Wisconsin-Madison</b> <i>Plant Breeding: the Creative Power of Selection</i>	[Plen 1]	
8:05 PM	Jenny Graves, Australian National University Weird mammal genomics and sex; the power of evolution divergence	[Plen 2]	
9:00 PM - 12:00 AM	REGISTRATION (Exhibit Hall)		
9:00 PM - 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY		

Friday, March 16			
7:00 AM – 8:00 AM	<b>BREAKFAST</b> (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms)		
7:00 AM – 8:15 AM	REGISTRATION (Foyer of Lloyd Center Ballroom)		
8:00 AM – 8:15 AM	ANNOUNCEMENTS (Lloyd Center Ballroom)		
8:15 AM – 10:15 AM	SESSION 2 - CELL AND DEVELOPMENTAL BIOLOGY Chair: Nathan Springer Talks 1-6. Pages 25-28		
8:15 AM	<b>Thomas Hartwig, Purdue University</b> [T1] The GRAS transcription factor upright leaf angle1 encodes a monocot- specific brassinosteroid function for leaf angle control in maize		
8:35 AM	<b>Carolyn Rasmussen, University of Wyoming</b> [T2] Leaf boundaries: Live cell imaging of ligule development in mutants and non-mutants		
8:55 AM	<b>Fang Yang, Cold Spring Harbor Laboratory</b> [T3] <i>Abnormal phyllotaxy2 (Abphyl2): A new locus controlling phyllotaxy and shoot meristem size in maize</i>		
9:15 AM	Wei Li, Iowa State University [T4] Characterization and Cloning of tassels replace upper earl in Maize		
9:35 AM	Claire Bendix, University of California, Berkeley GIGANTEA OF ZEA MAYS1A is a negative regulator of maize flowering time  [T5]		
9:55 AM	<b>Timothy Kelliher, Stanford University</b> [T6] <i>Hypoxia triggers plant germline specification</i>		
10:15 AM	BREAK		
10:45 AM – 12:25 PM	SESSION 3 – BIOCHEMICAL AND MOLECULAR GENETICS Chair: Alice Barkan Talks 7-11. Pages 29-31		
10:45 AM	<b>Xiaoguo Zhang, University of California, San Diego</b> [T7] PANGLOSS2, A Receptor-Like Protein that Polarizes Cell Division in Maize Identified Via Quantitative Proteomics		
11:05 AM	Leila Feiz, Cornell University [T8]  RAF1, a new regulator of Rubisco biogenesis in maize		
11:25 AM	Uta Paszkowski, University of Lausanne [T9] Essential factors for arbuscular mycorrhizal symbiosis from maize and rice		
11:45 AM	Nick Carpita, Purdue University [T10] Defining expression networks in maize for secondary wall biogenesis		
12:05 PM	Nathalie Bolduc, USDA-ARS and U. of California, Berkeley [T11] Unraveling the KNOTTED1 regulatory network in maize meristems		
12:30 PM – 1:30 PM	<b>LUNCH</b> (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms)		

### Friday, March 16 (continued)

#### 1:30 PM – 4:30 PM **POSTER SESSION 1** (Exhibit Hall)

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 – 6:15 PM	SESSION 4 – NEW RESOURCES AND APPROACHES FOR MAIZE BIOLOGY (Lloyd Center Ballroom)		
	Chair: Mark Cigan Talks 12-16. Pa	ges 32-34	
5:00 PM	Sanzhen Liu, Iowa State University Gene Mapping via Bulked Segregant RNA-Seq (BSR-Seq)	[T12]	
5:15 PM	Cinta Romay, Cornell University  Maize inbred lines at the NCRPIS: a great public resource to maize genetics	[T13] explore	
5:30 PM	Taner Sen, USDA-ARS and Iowa State University MaizeCyc: Metabolic Networks in Maize	[T14]	
5:45 PM	Laurel Cooper, Oregon State University  Annotating the Maize B73 Gene Expression Atlas in the Plant Ontology- A Tool for Plant Genomics	[T15]	
6:00 PM	Paul Zurek, Duke University Characterization of the root system architecture of the Nested Association Mapping (NAM) parent lines	[T16]	
6:30 PM – 7:45 PM	<b>DINNER</b> (Broadway/Weidler/Halsey rooms, Cascade Ballrod Alaska/Idaho rooms)	om,	
8:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY (Exhibit Hall)		

# Saturday, March 17

7:00 AM – 8:15 AM	<b>BREAKFAST</b> (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms)		
8:15 AM – 10:15 AM	SESSION 5 – QUANTITATIVE GENETICS (Lloyd Center Ballroom) Chair: Bob Bensen Talks 17-22. Pages	35-38	
8:15 AM	Jason Peiffer, Cornell University The Genetic Architecture of Maize Height: A few loci can't explaining and the short of it	[T17] in the	
8:35 AM	Ivan Baxter, USDA-ARS Ionomics of the Maize Nested Association Mapping Population		
8:55 AM	Justin Gerke, University of Missouri The genomic response to reciprocal recurrent selection in BSSS of BSCB1	[T19] and	
9:15 AM	Yinping Jiao, China Agricultural University  Pattern of genome-wide genetic changes throughout modern main breeding	[T20] ze	
9:35 AM	<b>Juliana Teixeira, University of Delaware</b> A Decade of Tropical to Temperate Maize Adaptation Reveals a Potential Mechanism for Broad Adaptation		
9:55 AM	Rob Martienssen, Cold Spring Harbor Laboratory The maize methylome: function, diversity, and inheritance (Previously Jim Holland [T22] moved to Sunday at 10:20 AM)		
10:15 AM – 10:45 AM	BREAK		
10:45 AM – 12:25 PM	SESSION 6 – COMPUTATIONAL APPROACHES TO MAD GENETICS Chair: Peter Balint-Kurti Talks 23-27. Pages		
10:45 AM	Camille Rustenholz, Iowa State University Identification, characterization and mapping of teosinte genes ab from the maize genome	[T23] esent	
11:05 AM	Candice Hansey, Michigan State University  Maize (Zea mays L.) Genome Diversity as Revealed by RNA-sequ	[T24] uencing	
11:25 AM	Anja Paschold, University of Bonn Complementation contributes to transcriptome complexity in man (Zea mays L.) hybrids relative to their inbred parents	[T25] ize	
11:45 AM	Fangpu Han, Chinese Academy of Sciences A de novo centromere on Duplication 3a in the absence of canon centromere sequence arrays	[T26] sical	
12:05 PM	<b>Donald McCarty, University of Florida</b> <i>Modeling of Mu transposon targeting reveals cryptic features of gene structure</i>	[T27] maize	

#### **Saturday, March 17 (continued)**

9:00 PM - 2:00 AM

12:30 PM - 1:30 PM **LUNCH** (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms) 1:30 PM - 4:30 PM POSTER SESSION 2 (Exhibit Hall) 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. **COMMUNITY SESSION - Maize Genetics Executive Committee** 5:00 PM - 5:30 PMMGEC Chair: Tom Brutnell [Optional] (Lloyd Center Ballroom) 6:00 PM - 7:00 PM **DINNER** 7:15 PM - 9:00 PM **SESSION 7 – PLENARY TALKS** (Lloyd Center Ballroom) Chair: John Fowler Pages 23 & 24 Venkatesan Sundaresan, University of California, Davis 7:15 PM [Plen 3] Female gametophytes and flowering plant reproduction: Green eggs and no SAM 8:05 PM Thomas Dresselhaus, University of Regensburg [Plen 4] Germline Development and Function in Grasses

**DANCE** (Cascade Ballroom)

INFORMAL POSTER VIEWING / HOSPITALITY (Exhibit Hall)

## Sunday, March 18

7:00 AM – 8:20 AM **BREAKFAST** (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Willamette Ballroom)

### Posters should be taken down by 9 am!

8:20 AM – 8:30 AM	ANNOUNCEMENTS	
8:30 AM – 9:50 AM	SESSION 8 – EPIGENETICS I Chair: Uta Paszkowski	Talks 28-31. Pages 42-43
8:30 AM	Maike Stam, Universiteit van Amsterdam [T28] Mediator of paramutation 1 (Mop1) appears primarily involved in the establishment rather than maintenance of a silent chromatin structure	
8:50 AM	<b>Thelma Madzima, Florida State University</b> [T29] Genome-wide effect of the mop1-1 mutation on chromatin structure in maize	
9:10 AM	<b>Steven Eichten, University of Minnesota</b> [T30] Epigenetic variation among maize inbreds highlights complex genetic and transcriptional interactions	
9:30 AM	Jonathan Gent, University of Georgia [T31] CHH Islands: a role for de novo methylation in near-gene chromatin regulation	
9:50 AM	BREAK	
10:20 AM – 11:30 AM	SESSION 9 – EPIGENETICS II Chair: Phil Becraft	Talks 32-34. Pages 44-45
10:20 AM	Jim Holland, USDA-ARS / North Carolin Genetic Control of Maize Photoperiod Resp (Previously Rob Martienssen [T32] moved	ponse
10:40 AM	<b>Jay Hollick, University of California, Berkeley</b> [T33] <i>RNA polymerase IV regulates transcription of genes and transposable elements in maize</i>	
11:00 AM	<b>Damon Lisch, University of California, Berkeley</b> [T34] <i>Recognition and inactivation of MuDR transposons involves multiple silencing pathways</i>	
11:30 AM	ADJOURNMENT	