

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	DINNER (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms)	
7:00 PM – 7:15 PM	WELCOME AND ANNOUNCEMENTS (Lloyd Center Ballroom) John Fowler	
7:15 PM – 9:00 PM	SESSION 1 – PLENARY TALKS Chair: Paula McSteen	Pages 21 & 22
7:15 PM	Bill Tracy, University of Wisconsin-Madison <i>Plant Breeding: the Creative Power of Selection</i>	[Plen 1]
8:05 PM	Jenny Graves, Australian National University <i>Weird mammal genomics and sex; the power of evolutionary divergence</i>	[Plen 2]
9:00 PM – 12:00 AM	REGISTRATION (Exhibit Hall)	
9:00 PM – 1:00 AM	INFORMAL POSTER VIEWING & HOSPITALITY (Exhibit Hall)	

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. Pages 32-34
- 5:00 PM **Sanzhen Liu, Iowa State University** [T12]
Gene Mapping via Bulk Segregant RNA-Seq (BSR-Seq)
- 5:15 PM **Cinta Romay, Cornell University** [T13]
Maize inbred lines at the NCRPIS: a great public resource to explore maize genetics
- 5:30 PM **Taner Sen, USDA-ARS and Iowa State University** [T14]
MaizeCyc: Metabolic Networks in Maize
- 5:45 PM **Laurel Cooper, Oregon State University** [T15]
Annotating the Maize B73 Gene Expression Atlas in the Plant Ontology- A Tool for Plant Genomics
- 6:00 PM **Paul Zurek, Duke University** [T16]
Characterization of the root system architecture of the Nested Association Mapping (NAM) parent lines
- 6:30 PM – 7:45 PM **DINNER** (Broadway/Weidler/Halsey rooms, Cascade Ballroom, Alaska/Idaho rooms)
- 8:00 PM – 1:00 AM **INFORMAL POSTER VIEWING & HOSPITALITY**
(Exhibit Hall)

Saturday, March 17

7:00 AM – 8:15 AM	BREAKFAST (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 [T17] <i>The Genetic Architecture of Maize Height: A few loci can't explain the long and the short of it</i>
8:35 AM	Ivan Baxter, USDA-ARS [T18] <i>Ionomics of the Maize Nested Association Mapping Population</i>
8:55 AM	Justin Gerke, University of Missouri [T19] <i>The genomic response to reciprocal recurrent selection in BSSS and BSCB1</i>
9:15 AM	Yinping Jiao, China Agricultural University [T20] <i>Pattern of genome-wide genetic changes throughout modern maize breeding</i>
9:35 AM	Juliana Teixeira, University of Delaware [T21] <i>A Decade of Tropical to Temperate Maize Adaptation Reveals a Potential Mechanism for Broad Adaptation</i>
9:55 AM	Rob Martienssen, Cold Spring Harbor Laboratory [T32] <i>The maize methylome: function, diversity, and inheritance</i> <i>(Previously Jim Holland [T22] moved to Sunday at 10:20 AM)</i>
10:15 AM – 10:45 AM	BREAK
10:45 AM – 12:25 PM	SESSION 6 – COMPUTATIONAL APPROACHES TO MAIZE GENETICS Chair: Peter Balint-Kurti Talks 23-27. Pages 39-41
10:45 AM	Camille Rustenholz, Iowa State University [T23] <i>Identification, characterization and mapping of teosinte genes absent from the maize genome</i>
11:05 AM	Candice Hansey, Michigan State University [T24] <i>Maize (<i>Zea mays</i> L.) Genome Diversity as Revealed by RNA-sequencing</i>
11:25 AM	Anja Paschold, University of Bonn [T25] <i>Complementation contributes to transcriptome complexity in maize (<i>Zea mays</i> L.) hybrids relative to their inbred parents</i>
11:45 AM	Fangpu Han, Chinese Academy of Sciences [T26] <i>A de novo centromere on Duplication 3a in the absence of canonical centromere sequence arrays</i>
12:05 PM	Donald McCarty, University of Florida [T27] <i>Modeling of Mu transposon targeting reveals cryptic features of maize gene structure</i>

Saturday, March 17 (continued)

- 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.
- 5:00 PM – 5:30 PM **COMMUNITY SESSION - Maize Genetics Executive Committee**
[Optional] MGEC Chair: Tom Brutnell (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
- 7:15 PM **Venkatesan Sundaresan, University of California, Davis** [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
- 9:00 PM – 2:00 AM **INFORMAL POSTER VIEWING / HOSPITALITY** (Exhibit Hall)
DANCE (Cascade Ballroom)

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 **Maïke 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 **Thelma Madzima, Florida State University** [T29]
Genome-wide effect of the mop1-1 mutation on chromatin structure in maize

9:10 AM **Steven Eichten, University of Minnesota** [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 Carolina State University** [T22]
Genetic Control of Maize Photoperiod Response
(Previously Rob Martienssen [T32] moved to Saturday at 9:55 AM)

10:40 AM **Jay Hollick, University of California, Berkeley** [T33]
RNA polymerase IV regulates transcription of genes and transposable elements in maize

11:00 AM **Damon Lisch, University of California, Berkeley** [T34]
Recognition and inactivation of MuDR transposons involves multiple silencing pathways

11:30 AM **ADJOURNMENT**