



CINVESTAV
Symposium on Genetic Transformation
and Functional Genomics of Maize.



PROGRAM OF EVENTS

October 24, Monday

7:30-9:00 Registration

8:45-9:00 Opening remarks Rafael Rivera, Kan Wang and Luis Herrera-Estrella

Session 1.

Functional Genomics, Luis Herrera-Estrella (moderator)

9:00-9:45 Vicki Chandler.

“Paramutation/epigenetics:Tandem repeats mediate trans-interactions that establish heritable chromatin changes”.

9:45-10:30 Hugo Dooner.

“Recombination and haplotype variability in maize”.

10:30-11:00 Break

11:00-11:45 Jean Philippe Vielle-Calzada

“New strategies for functional genomics of female reproductive development”.

11:45-12:00 Group photos

12:00-1:30 Lunch

Session 2

Functional Genomics, Jean Philippe Vielle-Calzada (moderator)

1:30-2:15 Thomas Dresselhaus.

“Female gametophyte functions are mediated by secreted peptides”.

2:15-3:00 David Jackson.

“Shoot meristem development and fluorescent protein expression in maize”.

3:00-3:30 Break

3:30-4:10 Octavio Martínez de la Vega.

“Transcriptome characterization of mexican *Zea mays* landraces”.

4:10-4:50 Vicky Chandler.

“Functional genomics of maize chromatin”.

4:50-5:30 Patricia León.

“Post-transcriptional regulation of the first enzyme of the plastidic isoprenoid pathway, 1-deoxy-D-xylulose 5-phosphate synthase (DXS), is conserved in *Arabidopsis thaliana* and *Zea mays*”.

October 25, Tuesday

Session 3

Transformation, Heidi Kaeppler (moderator)

8:45-9:30 Stanton Gelvin.

“Increasing *Agrobacterium*-mediated maize transformation: Taking lessons from a weedy dicot”.

9:30-10:15 Bill Thompson.

“Matrix attachment regions in gene expression and transformation”.

10:15-10:45 Break

10:45-11:20 Bronwyn Frame.

“Improved maize inbred line for transformation”.

11:20-11:55 José Luis Cabrera.

“Development of transformation protocols for tropical and subtropical maize genotypes”.

12:00-1:30 Lunch

PM Posters, lab exchange session and tour to CINVESTAV facilities

October 26, Wednesday

Session 4

Transformation, Kan Wang (moderator)

8:30-9:10 Toshihiko Komari.

“Synergistic use of maize and rice transformation for functional genomics”.

9:10-9:50 Heidi Kaeppler.

“Chromatin gene effects on maize transformation”.

9:50-10:30 Peter Waterhouse.

“RNA interference in plants”.

10:30-10:40 Luis Herrera-Estrella Close remarks

11:30 am Departure to airport