



IV ICLGG

IV International Conference on Legume Genomics and Genetics

December 7-12, 2008 Puerto Vallarta, México



Universidad Nacional
Autónoma de México



www.ccg.unam.mx/iclgg4
iclgg4@ccg.unam.mx

Apartado Postal 565-A
Cuernavaca, Mor.
Mexico

Phones 52 (777) 311 5164
52 (55) 5622 7689

Fax. 52 (777) 317 5581

Organizing Committee
Georgina Hernández (Chair)
Lourdes Girard
Miguel Lara
Mario Ramírez

Pre-Conference Satellite Workshops Workshop 1

Sunday, December 7, 2008

8:45 - 4:00

Beyond the papilionoids - What can we learn from *Chamaecrista*?

Organizers:

Susan Singer (Carleton College, USA)

Jeff Doyle (Cornell University, USA)

Greg May (National Center for Genome Resources, USA)

PROGRAM

Building *Chamaecrista* community resources

8:45-9:00 **Welcome and introduction**

9:00-9:30 **Gregory D. May** (National Center for Genome Resources, USA)
Whole transcriptome sequencing of *Chamaecrista fasciculata*

Evolutionary perspectives

9:30-10:00 **Steven Cannon** (Iowa State University, USA)
Legume genome evolution from the perspective of *Chamaecrista fasciculata*

10:00-10:30 **Anne Bruneau** (Université de Montréal, Canada)
Phylogenetic relationships and diversification in the caesalpinoid legumes

10:30-10:45 Coffee break

Nodulation

10:45-11:15 **Jeff J. Doyle** (Cornell University, USA)
The nodule transcriptome of a non-papilionoid legume, *Chamaecrista fasciculata*

11:15-11:45 **Ann M. Hirsch** (University of California - Los Angeles, USA)
Studying symbiosis in the basal legumes, *Chamaecrista fasciculata* and *Gleditsia triacanthos*

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Education

11:45-Noon

Susan R. Singer (Carleton College, USA)
Integrating *Chamaecrista* research and education

Noon-1

Lunch

Leveraging papilionoid resources

1-1:30

R. Varma Penmetsa (University of California, Davis, USA)
Leveraging genomics in model species to accelerate genomics in less characterized legumes

Shoots, flowers, and seeds

1:30-1:50

Sonja L. Maki (Carleton College, USA)
Characterization of vegetative and floral development in ecotypes of *Chamaecrista fasciculata*

1:50-2:20

Susan R. Singer (Carleton College, USA)
The shoot transcriptome of the non-papilionoid legume *Chamaecrista fasciculata*

2:20-2:50

Michael A. Grusak (USDA-ARS Children's Nutrition Research Center, Baylor College of Medicine, USA) - **Seed mineral concentrations and root mineral acquisition phenomena in *Chamaecrista fasciculata*: comparisons with other model and crop legumes.**

2:50 – 3:05 Coffee break

Roundtable discussion – What next?

3:05-4:00

Community resources and needs – facilitated by
Gregory D. May (National Center for Genome Resources, USA) and
Jeff J. Doyle (Cornell University, USA)

Notes:

- 1) All half- hour talk slots include a 5-10 minute discussion period.
- 2) If you would like to join the *Chamaecrista* listserve, please contact **Susan Singer** (ssinger@carleton.edu)