

**13th Annual Embryo 21st Century/Seed Institute Conference
UCLA Conference Center, Lake Arrowhead
December 2-4, 2005**

Friday – December 2

- 3:00pm** **Check-In -- Welcome Reception & Appetizers (Iris)**
- 4:00pm** **Session I – Harada Lab (Iris)**
Introduction
John Harada
- 4:05pm** *LEC2, Auxin, and Seed Maturation*
Sandra Stone
- 4:35pm** *Seed Maturation and Somatic Embryos – Bridging the Gap With LEC2*
Siobhan Park
- 5:05pm** *The Curious Case of HAPs and CCAATs – The Role of LEC1 in Embryogenesis*
Soomin Park
- 5:35pm** **Free Time**
- 6:30pm** **Dinner**
- 8:00pm** **Session II With UCLA/MCDB – Plant Genomics (Pineview)**
Introduction
Bob Goldberg
- 8:05pm** *DNA Methylation in Arabidopsis*
Steve Jacobsen
- 8:35pm** *Gene Activity During Seed Development*
Bob Goldberg
- 9:05pm** **Break & Discussion**
- 9:15pm** *Regulatory Genes Controlling Seed Development*
John Harada
- 9:45pm** *Imprinting Mechanisms During Seed Development*
Bob Fischer
- 10:15pm** **Discussion & Snacks (Iris)/MCDB Posters (Pineview)**

Saturday – December 3

- 8:00am** **Breakfast**
- 9:00am** **Session III (Iris) -- Fischer Lab**
Introduction Bob Fischer
- 9:05am** *Role of DNA Methylation in Embryogenesis*
Frank Xiao
- 9:35am** *Functional Analysis of the DME Glycosylase*
Jin Hoe Huh
- 10:05am** **Break and Discussion**
- 10:20am** *Function of Demeter-like Genes*
Jon Penterman
- 10:50am** *Regulation of Polycomb Gene Expression During Seed Development*
Daphna Michaeli
- 11:20am** *New Mechanisms for Imprinting in the Endosperm*
Bob Fischer (for Tzung-Fu)
- 11:50am** **Lunch & Discussion**
- 1:00pm** **Free Afternoon for Discussion and Leisure Activities**
- 4:30pm** **Poster Session & Appetizers (Iris)**
- 6:30pm** **Dinner**
- 8:00pm** **Session IV (Iris) -- Goldberg Lab**
Introduction
Bob Goldberg
- 8:05pm** *Gene Activity During Seed Development – Global Analysis in Wild-Type and Mutant Seeds*
Brandon Le
- 8:35pm** *Using Cross-Species Gene Chip Experiments to Investigate Embryo Gene Activity*
Brandon Le
- 8:50pm** *RNA Isolation and Amplification Using Laser Capture Microdissection*

Anhthu Bui

9:05pm

Break and Discussion

9:15pm

Gene Activity in the Embryo Proper and Suspensor Regions of Scarlet Runner Bean and Soybean Embryos Using EST Sequencing and Laser Capture Microdissection

Anhthu Bui, Xingjun Wang, and Javier Wagmaister

9:55pm

Regulatory Sequences Programming Suspensor Transcription

Tomo Kawashima and Xingjun Wang

10:15pm

Discussion, Posters, & Snacks (Iris)

Sunday – December 4 (check out of rooms by 10am)

8:00am

Breakfast

9:00am

Session IV (Iris) -- Drews Lab

Introduction

Gary Drews

9:10am

Analysis of Mutants Affecting Female Gametophyte Development and Function

Gary Drews

9:20am

Identification of Genes Expressed in the Female Gametophyte

Josh Steffen

9:40am

Dissecting the Gene Regulatory Circuitry Controlling Female Gametophyte Development

Jayson Punwani and Dave Rabiger

10:10am

Break and Discussion

10:30am

Gene Targeting Via Zinc-Finger Nucleases

Alan Lloyd

11:00am

Summary & Discussion

Gary Drews

11:10am

Diane Jofuku

The NSF Plant Genome Program

12:00pm

Lunch & Departure

Participants & Email Addresses