

**12th Annual Embryo 21st Century/Seed Institute Conference  
UCLA Conference Center, Lake Arrowhead  
November 19-21, 2004**

**Friday- November 19**

- 3:00pm**                    **Check-In**
- 5:00pm**                    **Welcome Reception & Appetizers (Lakeview)**
- 6:30pm**                    **Dinner**
- 7:45pm**                    **Introductions (Iris)**
- 8:00pm**                    **Session I -- Goldberg Lab**  
*Introduction*  
Bob Goldberg
- 8:05pm**                    *Identification of Suspensor Cis-Acting Spatial Control Elements*  
Tomo Kawashima
- 8:50pm**                    **Break & Discussion**
- 9:05pm**                    *Functional Analysis of Genes Active During Early Embryo Development -- A Novel Undergraduate Experience*  
Anhthu Bui
- 9:15pm**                    *Using Laser Capture Microdissection to Study Embryo Region-Specific Gene Activity*  
Anhthu Bui
- 9:45pm**                    *Identifying Arabidopsis Seed-Specific Transcription Factors Using Whole Genome GeneChips*  
Brandon Le
- 10:30pm**                  **Discussion & Snacks (Lakeview)**

**Saturday- November 20**

- 8:00am**                    **Breakfast**
- 9:00am**                    **Session II (Iris) -- Drews Lab**  
*Introduction* Gary Drews
- 9:05am**                    *Gene Targeting Via Zinc-Finger Nucleases*  
Alan Lloyd

- 9:25am**                    *Structure and Importance of the Female Gametophyte*  
Gary Drews
- 9:45am**                    *Analysis of Mutants Affecting Female Gametophyte Function*  
Mike Portereiko
- 10:05am**                    **Break & Discussion**
- 10:20am**                    *Analysis of Cell Death During Female Gametophyte Development*  
Linda Nikolova
- 10:40am**                    *Identification and Analysis of Genes Expressed in the Female Gametophyte*  
Jayson Punwani and Il-Ho Kang
- 11:00am**                    *Analysis of MYB98 Function*  
Dora Kasahara
- 11:20am**                    *Dissecting the Gene Regulatory Circuitry Controlling Female Gametophyte Development*  
Josh Steffen
- 11:35am**                    *Summary & Discussion*  
Gary Drews
- 12:00pm**                    **Lunch & Discussion**
- 1:00pm**                    **Free Afternoon for Discussion, Hiking, or Skiing**
- 4:30pm**                    **Poster Session, Discussion, & Appetizers (Lakeview)**
- 6:30pm**                    **Dinner**
- 8:00pm**                    **Session III (Iris) -- Fischer Lab**  
*DNA Methylation and MEDEA Imprinting*  
Mary Gehring
- 8:25pm**                    *DNA Methylation Regulates Embryogenesis and Seed Development in Arabidopsis*  
Wenyan Xiao
- 8:50pm**                    *Downstream Targets of DME*  
Bob Fischer
- 9:00pm**                    **Break & Discussion**

- 9:15pm**                    *Biochemical Activity of DME*  
Jin Hoe Huh
- 9:35pm**                    *Novel Functions for DNA Glycosylases in Arabidopsis*  
Jon Penterman
- 9:45pm**                    *What distinguishes DME from other DNA glycosylases?*  
Carolina Dallet
- 9:55pm**                    *Imprinting of a KNOX homeobox gene in Arabidopsis*  
Tzung-Fu Hseih
- 10:05pm**                    *Cis-Regulatory Elements Responsible for Embryo-Specific FIE  
Expression in Arabidopsis*  
Daphna Michaeli and Andrew Birkeland
- 10:30pm**                    **Discussion, Posters, & Snacks (Lakeview)**

**Sunday- November 21** (check out of rooms by 10am)

- 8:00am**                    **Breakfast**
- 9:00am**                    **Session IV (Iris) -- Harada Lab**  
*Overview*  
John Harada
- 9:20am**                    *Transcriptional Regulation by LEC1: The CCAAT in the HAP*  
Soomin Park
- 10:00am**                    **Break & Discussion**
- 10:30am**                    *The Two Faces of LEC2*  
Siobhan Braybrook and Hiroyasu Motose
- 11:30am**                    **Summary & Wrap-up**
- 12:00pm**                    **Lunch & Departure**