## ELEVENTH ANNUAL EMBRYO 21st CENTURY/SEED INSTITUTE MEETING
## UC Davis - October 25-26, 2003

### SATURDAY, OCTOBER 25

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| 11:00 - 12:15 | **Arrival and Lunch** |
| 12:15 - 12:30 | **Welcome & Introduction** – Bob Goldberg/John Harada |

12:30 - 2:30      **FISCHER LAB**
- Bob Franks
*Specification of the carpel margin meristem - the essential first step in female fertility.*

- Tzung-Fu Hsieh
*How to understand Polycomb protein function throughout plant development.*

- Wenyan (Frank) Xiao
*Seed imprinting is controlled by antagonism between MET1 methyltransferase and DME glycosylase enzymes.*

- Jon Penterman
*Function of proteins related to the DME DNA glycosylase*

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| 2:30 - 2:45 | **Discussion** |
| 2:45 - 3:00 | **Break** |

3:00 - 5:30      **HARADA LAB**
- Masa-aki Ohto
*Control of Seed Size by AP2*

- Siobhan Braybrook
*Role of LEC Transcription Factors in Embryo Development*

- Soomin Park
*Functional Dissection of the LEC1 CCAAT Binding Transcription Factor*

- Raymond Kwong
*Identification of Genes Induced by LEC1*

- John Harada
*How do LEC B3 Domain Transcription Factors Regulate Embryogenesis?*

- Soomin Park
*A Novel DNA Binding Site for LEC2*

- Siobhan Braybrook
*Identification of LEC2 Target Genes*

- John Harada
*Conclusions and Wrap*

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| 5:30 - 5:45 | **Discussion** |
| 5:45 - 7:00 | **Check-In Palm Court Hotel and Free Time** |

| 7:00 - 10:00 | **Reception and Halloween Dinner @ Silo Pub** |

**SUNDAY, OCTOBER 26**

| 8:00 - 8:30 | **Breakfast** |

| 8:30 - 10:00 | **DREWS LAB** |

•Gary Drews et al.
*Development and Function of the Female Gametophyte*

| 10:00 - 10:15 | **Discussion** |

| 10:15 - 10:30 | **Break** |

| 10:30 - 12:30 | **GOLDBERG LAB** |

•Bob Goldberg
*A Strategy for Uncovering Regulators of Embryo and Seed Development*

•Tomokazu Kawashima
*The Search For Suspensor-Specific Gene Networks*

•Brandon Le / Anhthu Bui
*A Comprehensive Profile of Genes Active in Seed Development*

•Bob Goldberg
*Teaching Undergraduates the Excitement of Scientific Discovery*

• Brittan Scales/Josh Wolf/Erin Marsh
*A Comprehensive Search For Knock-Out Mutations in Genes Active During Seed Development*

•Jinsun Choi
*Identification and Analysis of Arabidopsis HOX7 Gene Knock-Outs*

•Bob Goldberg
*What's the Next Step?*

| 12:30 - 12:45 | **Discussion** |

| 12:45 - 1:30 | **Lunch** |

| 1:30 - 2:00 | **Summary** |