

Schedule for Plant Biology/Biotechnology Education Meeting

December 14, 2002

Room 338, Koshland Hall-Berkeley, CA

9:00-9:20 Brief introductions

9:10-10:00 Presentations I. Plant Biology and Biotechnology Efforts

Erin Dolan, Virginia Tech

Partnership for Research & Education in Plants: A teacher-student-scientist Collaboration

Gary Graper ,Betsy Barnard, Ed Woolsey and Sara Patterson.Madison West High School and the University of Wisconsin, Madison

Arabidopsis Project: Mutant hunting in High School Classrooms

Betsy Barnard and Gary Graper, Madison West High School

SMART- Students Modeling a Research Topic: Proteins

Gary Graper, Madison West High School

Kindergarten Through Infinity: Development of an innovative high school genetics curriculum utilizing Wisconsin Fast Plants and "Faster Plants"

Christine Pfund, University of Wisconsin, Madison

Wisconsin Fast Plants: Bottom Up, Top Down

Ellyn Daugherty, San Mateo High School

Teaching Biotechnology in High Schools

Barbara Soots, University of California, Davis

Genomics and Biotechnology Education for Secondary Teachers and Students

10:10-10:20 BREAK

10:20-11:00 Presentations II.Venues for education and outreach

Kimberly Tanner, UCSF Science & Health Education Partnership
Building Strong Scientist-Teacher and Scientist-Student Partnerships: Models and Venues

Pat Seawell, BABEC
BABEC - Stimulating High School Science Education in Ten SF Bay Area Counties, and Beyond.

Sherry Seethaler, UC Berkeley Education Department
Genetically Modified Food in Perspective: Helping Students Make Sense of Tradeoffs

Ilse Ortabase, Kindermagic
Science Snoops - The Case of the Missing Monarchs,
CD ROM-based Life Science Investigations for students in grades 6-8

11:00AM -1:00 PM Discussion and working lunch

What are the general, long-term goals and outcomes for students, teachers, and scientists? Feedback and suggestions about existing efforts as well as ideas about future efforts.

Are all audiences being reached?
What needs are not yet addressed?
Identifying gaps in current efforts
Where to put future efforts?
Related projects/programs (e.g. BioQuest, Centers for Teaching and Learning, Dolan DNA Learning Center)

1:00-2:30 Logistics and practical aspects of teaching plant biotechnology in the classroom.

Addressing state and district safety and health guidelines
What is the USDA policy on transgenic plants in the classroom
What is the USDA policy on Agrobacterium
Addressing parent and student fears/concerns?

2:30-4PM Sharing resources/new developments/getting support

Collaborations
Co authoring grants- what agencies and programs?
Mechanisms for sharing resources?

How can we fill in the gaps ?