

Detailed Workshop Program

Any changes to this program will be announced at the workshop.

Tuesday, November 7, 2006

7:30 – 8:10 am

Participants check-in and late registration

8:30 am

Introduction to Workshop - The Steering Committee

Plenary lectures

Moderator - Robert Nowierski, USDA-CSREES

8:45 P.1 - Pests and Disease needs for new methods in agriculture – Bob Staten

9:30 P.2 - History of Paratransgenesis – Frank Richards, Yale University

10:15 am – 10:45 am – Coffee Break

10:45 P.3 - Pioneering applications in transgenic insect technologies – Luke Alphey, University of Oxford

11:30 P.4 - Cross-infective microbes: from plants to humans – Anne Vidaver, University of Nebraska - Lincoln

12:15 – 1:30 pm – Lunch

Plenary Lectures Continue

Moderator: Bob Rose.

1:30 P.5- Development of transgenic pink bollworm – Greg Simmons, USDA, APHIS, PPQ

2:00 P.6 - The pathogen / commensal paradigm: can taxonomy predict risk? – Bryan White, University of Illinois

Session 1: Symbiotic control of Pierce's disease (PD)

Moderator: Mary Purcell-Miramontes.

2:30 1.1 - Development of symbiotic control of PD – David Lampe, Duquesne University

3:00 1.2 - Microbial Biopesticides - Michael Adang, University of Georgia

3:30 Coffee Break

4:00 1.3 - Risk Assessment research for the PD project – Tom Miller, UC – Riverside

4:30 1.4 - TBA - Stephen Dobson, University of Kentucky

5:00 Discussion

6:00 Cash Bar in Foyer

7:00 Banquet Dinner

Moderator: The Steering Committee

Speaker: Charlie Yoe, College of Notre Dame

1.5 Risk Assessment and Biotechnology – ‘Get Jiggy with it!’

Wednesday, November 8, 2006

SPLIT SESSION: ENVIRONMENTAL AND MEDICAL SAFETY CONCERNS

Session 2A: Microbes and Risk Assessment

Moderator – Michael Firko, USDA-APHIS-PPQ

- 8:20 Introduction: Chris Wozniak, CSREES-PAS
- 8:30 2A.1 - Microbial pest control agents: environmental considerations – William MacDonald, West Virginia University – 30 min
- 9:00 2A.2 - Regulating microbials for plant pest risk – Robert Flanders, USDA-APHIS-PPQ
- 9:30 2A.3 - EPA regulatory process for microbial pesticides – William Schneider – EPA, BPPD
- 10:00 2A.4 - APHIS/BRS Regulatory Process for Genetically-Engineered Microbials- Andrea Huberty - USDA-APHIS, BRS

10:30 am – Break for coffee – 15 min

Session 3: Microbial pesticides - case histories –AF-36 as a symbiotic control of aflatoxin contamination.

Moderator: Eldon Ortman.

- 10:45 3.1 - Development of AF-36 – Peter Cotty, USDA-ARS
- 11:15 3.2 - Regulatory summary of AF-36 – John Kough – EPA, BPPD
- 11:35 Discussion leader – Eldon Ortman, Purdue University – 20 min

12:00 WHOLE GROUP REJOINS, MAIN ROOM.

Lunch with guest speaker Erik Lichtenberg.

3.3 What Do Risk Assessments of Agricultural Biotechnologies Need to Tell Risk Managers? - Erik Lichtenberg, Department of Agricultural and Resource Economics

Session 4: Microbial pesticides - case histories

Moderator: John Sherwood, University of Georgia

- 1:15 4.1 - GE and non-GE fungi: Risk Assessment – Ray St. Leger, University of Maryland.
- 1:45 4.2 - *Burkholderia cepacia* : TSCA Regulatory aspects – Mark Segal, EPA, OPPT.
- 2:00 4.3 - *Burkholderia cepacia* : FIFRA - Regulatory aspects – Chris Wozniak, CSREES.
- 2:15 Discussion

2:35 pm - Coffee break

Session 5: Regulation of and Impacts on Microbial Biopesticides

Moderator – Eldon Ortman, Purdue University

- 3:15 5.1 - Impact of regulatory activity on emerging companies – Pam Marrone, Marrone Organic Innovations
- 3:45 5.2 - Panel Discussion: How do we enhance communication and cooperation.
- 5:00 Dismissal

Wednesday, November 8, 2006

SPLIT SESSION: TRANSGENIC INSECTS

Session 2B: Biological Control of disease agent vectors.

Moderator: David O'Brochta, University of Maryland

- 8:30 2B.1 - The impact of regulatory decisions on emerging pest control research–
Margaret Allen, USDA-ARS
- 9:00 2B.2 - Regulatory procedures for transgenic insects – Robyn Rose,
USDA-APHIS-BRS
- 9:30 Discussion
- 9:45 2B.3 - The Grand Challenges in Global Health initiative: Genetic
strategies to control insect vectors of disease – Stephanie James, NIH
- 10:15 Discussion

10:30 – Coffee Break

- 11:00 2B.4 - Genetic modification of insects of medical importance: past,
present and future – Marcelo Lorena, Johns Hopkins
- 11:30 2B.5 - An incremental process for developing releases of genetically
engineered mosquitoes – Mark Benedict, CDC

12:00 pm – lunch – 1 hour and 15 minutes

Rejoin whole group, main conference room.

Thursday, November 9, 2006

Session 6: Concluding remarks from the Workshop

Moderator: Eldon Ortman, Purdue University.

- 8:30 6.1- Brief overview of Split Sessions: Microbial and Transgenic Insect Presenters to be determined.
- 9:00 6.2 - What can public sector researchers do to facilitate the registration process? – Michael Braverman, IR-4 Project, Rutgers University
- 9:30 6.3 - Costs and benefits: impact of regulatory decisions on agricultural production and environmental health – TBD
- 10:00 6.4 - Costs of biopesticide registration?- Robert Torla, EPA-BPPD
- 10:30 Comments from the regulated community of potential notification, permits and experimental use permit applicants

11:00 am – Coffee Break

Session 7: How do we enhance communication between regulating agencies and the affected community?

- 11.30 5- 10 minutes each:
Comments from Janet Andersen, EPA, BPPD
Comments from Stefan Jaronski, ARS.
Comments from Michael Firko, APHIS, PPQ
Audience participation

12:30 Workshop Adjourns

Lunch for the Steering Committee / Discussion of next steps.