

Agricultural Weeds: Bridging the Gap Between Evolutionary Ecology and Crop Science

Conference Schedule

Thursday, Sept 11, 2008

5:00-6:00 pm, *Conference Registration –*

Located at the conference registration desk, in hotel lobby

6:00-7:15 pm, *Dinner at Georgia Center: Introduction to conference*

7:15-8:00 pm, *Keynote Address I*

Jodie Holt, “Weed science in an ecological and evolutionary context”

8:00-8:45 pm *Keynote Address II*

Jonathan Gressel, “Transgenically dealing with transgene flow to feral crops”

9:00-10:00 pm, *Reception*

Friday, Sept 12, 2008

8:00-9:30 am, *Breakfast @ GA center*

9:30 - 11:30 am, *Session I: Evolutionary ecology*

9:30 Cynthia Weinig, “Quantitative variation in circadian rhythms and its role in adaptation to high density settings”

10:00 Joel Kniskern, “Insights into the evolution and ecology of plant disease from studies of *Arabidopsis thaliana*”

10:30 John Stinchcombe, “Using weeds to study invasion and range expansion: natural selection on ecologically important traits beyond the range margins”

11:00 Shu-Mei Chang, “Reproductive ecology of the weedy tall morning glory, *Ipomoea purpurea*”

11:30-1:00 pm, *Lunch @ GA center*

1:00 - 3:00 pm, *Session II: Weed science*

1:00 Patrick Tranel, “How did waterhemp (*Amaranthus tuberculatus*) rise to infamy?”

1:30 William Vencill, “Herbicide resistance in the Amaranthaceae”

2:00 Neal Stewart, “The evolution of non-target herbicide resistance in weeds: horseweed and glyphosate”

2:30 Theodore Webster, “The loss of glyphosate efficacy: a changing weed spectrum in Georgia”

3:00 – 3:30 pm, Coffee Break

3:30 – 5:00 pm, Session III: Transgene movement, adaptation via gene flow

- 3:30 John Burke, “From weeds to crops: Identifying genes underlying crop-related traits”
- 4:00 Lidia Watrud, “Multi-year effects of glyphosate drift on constructed plant communities containing *Brassica napus*”
- 4:30 Allison Snow, “The evolution and ecology of crop-weed hybrids: A baseline for GM risk assessment”

5:30-7:00 pm, Dinner @ GA center

7:00-9:00 pm, Poster session and light reception

Posters can be set up between 7:00am and 6:30pm in the Pecan Tree Galleria and should be removed by 10:00 pm on 9/12/08.

Saturday, Sept 13, 2008

8:00-9:30 am, Breakfast @ GA center

9:30-11:30 am, Session IV: Weed adaptation & parasitic weeds

- 9:30 Kenneth Olsen, “Origins and evolution of weedy rice in the US”
- 10:00 Regina Baucom, “The evolution of glyphosate defense in the common morning glory”
- 10:30 Matt Estep, “Genome composition and evolution in parasitic weeds of the genus *Striga*”
- 11:00 Paul Neve, “Increasing the application of ‘evolutionary-thinking’ to applied crop-weed management”

11:30-1:00 pm, Lunch @ GA center

This conference is sponsored by UGA’s Office of the Provost and the Departments of Plant Biology and Crop and Soil Sciences