

# 2002 Entomology Graduate Student Forum

## Minnie Belle Heep Center, Room 103

### August 29, 2002



- 8:00 a.m. **Continental Breakfast**, 1<sup>st</sup> Floor Atrium
- 8:30 **Welcome**, Dr. Patricia Pietrantonio, Assistant Professor, Department of Entomology, TAMU
- 8:35 **Opening Remarks**, Dr. Kevin M. Heinz, Acting Head, Department of Entomology, TAMU
- 8:45 **Keynote Speaker**, Dr. Michael R. Strand, Department of Entomology, University of Georgia, Athens, GA

#### Student Presentations Group I

- 9:20 **Christine E. Gray**, "Identification of an endogenous insulator for *Aedes aegypti* transgenesis"
- 9:35 **Jeremiah Dye**, "Effects of temperature, host plant and weevil strain on biological control of aquatic weeds (*Salvinia* spp.) using *Cyrtobogous salviniae*"
- 9:50 **Andrea Julian**, "Using bioinformatics to investigate and analyze hot spots for insertion of transposable elements in the genomes of *Caenorhabditis elegans*, *Drosophila melanogaster* and *Anopheles gambiae*"
- 10:05 **Jarrad Prasifka**, "Effects of landscape variables and cultural practices on generalist predators in cotton"
- 10:20 **Coffee Break**, 1<sup>st</sup> Floor Atrium

#### Student Presentations Group II

- 10:45 **Steven P. Holmes**, "Functional analysis of a G protein-coupled receptor from the southern cattle tick *Boophilus microplus* (Acari: Ixodidae) identifies it as the first arthropod myokinin receptor"
- 11:00 **Maria Alica Pinto**, "Mitochondrial DNA as a tool for assessing Africanization"
- 11:15 **Ahmed Mohammed**, "Midgut gene expression in the potato tuber moth, *Phthoramea operculella*"
- 11:30 **Kristen Baum**, "Patterns of cavity use by feral honey bees"
- 11:45 **Luncheon**, 4<sup>th</sup> Floor Atrium

#### Student Presentations Group III

- 1:30 p.m. **Paul D. Barron**, "Use of a yeast genetics system to select for randomly primed arthropod cDNAs that contain a putative signal sequence"
- 1:45 **Lara Lewey**, "Identification of a genetic basis for Varroa mite resistance in the honey bee *Apis mellifera*"
- 2:00 **Veronica Manrique**, "Host location and discrimination mediated through olfactory stimuli in *Anaphes iole* (Hymenoptera: Mymaridae), an egg parasitoid of *Lygus hesperus* (Hemiptera: Miridae)"
- 2:15 **Darren Hagen**, "Identification of vasa-like genes in *Aedes aegypti*, *Anopheles gambiae*, and *Apis mellifera*"
- 2:30 **Coffee Break**, 1<sup>st</sup> Floor Atrium
- 2:45 **Mei-Er Chen**, "Cloning of the fire ant, *Solenopsis invicta*, vitellogenin receptor cDNA and its Transcriptional expression profile in reproductive females during development"
- 3:00 **Rodrigo Diaz**, "What eats beet armyworm eggs in cotton fields?"
- 3:15 **Closing Remarks & Adjourn**