

**The Fifth Arbovirus Surveillance & Mosquito Control Workshop  
Sponsored by AMCD, USDA/CMAVE, and FMCA  
St. Augustine, Florida, March 26-28, 2008**

**PROGRAM**

**Wednesday (March 26, 2008)**

7:30am Registration..... AMCD Staff

**Moderator: Dr. Rui-De Xue, Director, AMCD, St. Augustine, FL**

8:50am Welcome & Introduction..... **AMCD's Commissioner Chair, Mrs. J. Moeller, USDA/CMAVE/MFRU, Research Leader Dr. Gary Clark, and The President of the FMCA, Dr. Frank Van Essen**

9:00am **Keynote Address:** West Nile Virus control in Sacramento and Yolo Counties, California ... **Mr. Dave Brown, Director of Sacramento- Yolo Vector Control District, Sacramento, CA**

9:40am Affect of West Nile Virus on North American bird populations ... **Dr. John Edman, Emeritus Professor, University of California, Davis, CA**

10:10am Present status of mosquito-borne diseases in India .....**Dr. B. Reddy Naik, Associate Professor, Osmania University, Hyderabad, India**

10:40am Break

10:50am Baits for mosquito control progress, an environmentally-friendly technique ... ..  
**Dr. Gunter Muller, Visiting Professor, The Hebrew University of Jerusalem, Israel**

11:20am Products and services of the Armed Forces Pest Management Board ..... **Dr. Stanton Cope, Captain, Medical Service Corps, US Navy Research Liaison Officer, Washington, DC.**

11:50am Florida Mosquito Control Association and its function .....**Dr. Frank Van Essen, The President of the FMCA & Director of Collier Mosquito Control District, Naples, FL**

12:00pm Lunch break (provided by Clarke Mosquito Control)

**Moderator: Dr. Frank Van Essen, Director, Collier Mosquito Control District**

1:00pm An overview of USDA/CMAVE/Mosquito/Fly Research Unit programs  
..... **Dr. Gary Clark, Research Leader, USDA/CMAVE, Gainesville, FL**

1:30pm A review of currently used surveillance techniques for *Aedes albopictus* (Skuse).... **Dr. Dan Kline, Lead Scientist, Dr. Gary Clark, USDA/CMAVE, Gainesville, FL**

2:00pm Topical and clothing repellent research at the MFRU..... **Dr. Uli. Bernier, Research Chemist, USDA/ARS/CMAVE, Gainesville, FL**

2:30pm Biting stable fly management..... **Dr. Jerry Hogsette, Research Entomologist, USDA/ARS/CMAVE, Gainesville, FL.**

3:00pm Break

3:10pm Conducting adult mosquito control applications near organic operations ..... **Mr. Gary Goodman, Assistant Director of Sacramento -Yolo Vector Control District, Sacramento, CA**

3:30pm. DNA Bar-coding: Molecular phylogenetics of mosquito biodiversity, **Dr. B. Reddya Naik, Associate Professor, Osmania University, Hyderabad, India**

3:50pm. Overview of UF Whitney laboratory research projects about vector mosquito larval physiology/molecular biology for possible control ... .....**Dr. Marco Neira, University of Florida, Whitney Laboratory, St. Augustine, FL**

4:30pm End of session

**6:30-7:00pm Dinner with the lecture (Overview of the DACS's Bureau of Entomology and Pest Control presented by Mr. Mike Page, Chief , Division of Agricultural Environments, DACS) at Holiday Inn (Sponsored by AMCD)**

**Thursday (March 27, 2008)**

**Moderator: Dr. Gary Clark, Research Leader, USDA/CMAVE**

9:00am Mosquitoes, and the pathogens that love them: An overview of the work of the new Emerging Pathogens Institute at the University of Florida... **Dr. Glenn Morris, Director, Emerging Pathogens Institute, UF, Gainesville, FL**

9:30am Capture rate responses of adult mosquitoes to light trap and human landing collection methods.. .... **Dr. Donald Barnard, Research Entomologist, Greg Knue, Dan. Kline, and Uli Bernier, USDA/CMAVE, Gainesville, FL**

9:50am. Mosquitoes make terrible neighbors: community outreach and education in Leon County, Florida .... **Dr. Richard Lobinske, Superintendent, Judith Gross, Leon County Mosquito Control, Tallahassee, FL**

10:10am Development of a high throughput mosquito assay for discovery of new toxicants for control ..... **Dr. Jimmy Becnel, Lead Scientist, USDA/CMAVE, Gainesville, FL**

10:40am. Break

11:00am Overview of mosquitoes and vector control programs in University of Florida's Urban Entomology Center, **Miss Alex Chaskopoulou, Department of Entomology & Nematology, Univ. of Florida, Gainesville, FL**

11:20am Target site insensitivity-mediated pyrethroid resistance in *Culex quinquefasciatus* in the Alabama State... **Dr. Nannan Liu, Associate Professor, Department of Entomology, Auburn University, AL**

11:40am. Sindbis virus... a probe to understanding the minutiae of mosquito biology ..... **Dr. Doria Bowers, Associate Professor, Department of Biology, Univ. of North Florida, Jacksonville, FL**

12:00pm ADAPCO updated technology..... **Mr. Derek Wright, ADAPCO, Sanford, FL**

12:10pm **Lunch break (provided by ADAPCO)**

**Moderator: Dr. Dan. Kline, Lead Scientist, USDA/CMAVE**

1:10pm Florida Arbovirus Epidemiology, 2007.....**Mrs. Rebecca Shultz, Arbovirus Coordinator, DOH, Tallahassee, FL**

1:30pm An update of mosquitoes / disease surveillance and ongoing susceptibility testing to Dibrin in Jacksonville Mosquito Control ..... **Ms. Marah Clark, Entomologist, Jacksonville MCD, FL**

1:45pm Mosquito control surveillance in Volusia County... ..**Mr. Jonas Stewart, Director, Volusia CMC, Daytona Beach, FL**

2:00pm Recent advancements in the Indian River Mosquito Control District's ground adulticiding program .....**Mr. John Plate, Indian River Mosquito Control District, Vero Beach, FL**

2:15pm Break

2:30pm. Overview of Pasco County Mosquito Control District's program ... **Mr. Dennis Moore, Director, Pasco County Mosquito Control District, FL**

2:45pm. *Culex coronator* in coastal Georgia and South Carolina. ....**Mr. Robert Moulis, Entomologist, Chatham County Mosquito Control, Savannah, GA**

3:00pm Overview of Collier County Mosquito Control District Programs ..... **Dr. Frank Van Essen, Director, Collier Mosquito Control District, FL**

3:15pm Vaportoxicity of 30 novel chemistries to *Aedes aegypti* and *Culex quinquefasciatus* ... **Miss Alex Chaskopoulou, Department of Entomology & Nematology, University of Florida, Gainesville, FL**

3:30pm Overview of AMCD's barrier treatments for mosquito control.....**Dr. Rui-De Xue, Director /Entomologist, AMCD, St. Augustine, FL**

3:40pm Overview of the GTM NERR management plan, watershed implications... **Dr. Mike Shirley, Manager, Guana, Tolomato, Matanzas, National Estuarine Research Reserve, St. Augustine, FL**

3:55pm Population dynamics of *Oc. infirmatus* and *Oc. atlantics* in St. Johns County, Florida, 2004-2007 ... **Ms. Whitney Qualls, Biological Technician, Dr. Rui-De Xue, Director/Entomologist, AMCD, St. Augustine, FL**

**4:10pm End of session**

**Friday (March 28, 2008)**

**Moderator: Dr. Harry Zhong, Professor, FAMU/PHEREC, Panama, Florida**

9:00am A review of new products for 2008..... **Mr. David Sykes, B & G Chemical & Equipment Co.**

9:15am. Update about methoprene products for 2008..... **Mr. Mel Whitson, Wellmark International, FL**

9:30am An update on new product development from Clarke Mosquito Control... **Mr. William Jany, Research Director, Clarke Mosquito Control**

9:45am Pre-flood control of mosquitoes..... **Mr. Tom Floore, Research Entomologist, FAMU/PHEREC, Panama, FL**

10:00 AMCD's aerial spraying contract service in 2007.....**Mrs. Kay Gaines, Base Station Supervisor, AMCD, St. Augustine, FL**

10:15am Update about nontarget study, **Dr. Harry Zhong, FAMU, PHEREC, Panama, FL**

10:30am Keep moving forward .....**Mrs. Nicole Willams, Air Wolf Malaria Vector Research Institute, FL**

11:00am. **Break and laboratory tour/field trip**

**Moderator: Dr. Rui-De Xue, AMCD, St. Augustine, FL**

11:30am Lunch and lecture, **Overview of the University of Florida, Whitney Laboratory Programs presented by Dr. Peter Anderson, Professor/Director (lunch provided by the Central Life)**

**12:30pm Take a tour of the UF's Whitney Laboratory in St. Augustine, FL**

**2:00pm END of the Session and Workshop**