

DWFP Symposium, AMCA 74th annual meeting, Sparks, Nevada,
2-6 March 2008

The Deployed Warfighter Protection Research Program: Finding
New Ways to Vanquish Ancient Foes

Moderator: Stanton E. Cope

Wednesday, 5 March 1:30 — 5:50 pm

Start Abstract# Title & speaker

1:30 189 Introduction and overview,
Stanton E. Cope

1:35 190 [DWFP round-up: Retrospect and prospects of the Research Program for Deployed War-Fighter Protection from disease vectors](#)
Graham White, Stanton E. Cope, Daniel Strickman, and Richard Johnson

1:50 191 [Comparative biological risk research to protect deployed forces](#)
Robert Peterson

2:00 192 [University of Florida evaluation of new technologies for protection of military personnel from flies](#)
Philip Koehler, Roberto Pereira, and Alexandra Chaskopoulou

2:10 193 [Efficacy of volatile low molecular weight insecticides against Aedes and Culex mosquitoes](#)
Alexandra Chaskopoulou, Sam Nguyen, Philip Koehler, and Michael Scharf

2:20 194 [Juvenile hormone analogs and chitin synthesis inhibitors as rodent feed-throughs against sand flies \(Diptera: Psychodidae\)](#)
Thomas Mascari, Lane Foil, Ed Rowton, and Mark Mitchell

2:30 195 [The biological activity of a novel class of insecticides, sterol carrier protein inhibitors \(SCPIs\)](#)

Ryan Larson and Que Lan

2:40 196 [Etofenprox: New active ingredient for control of adult mosquitoes](#)

David Malone, Todd Gwinn, and Allen Woodriddle

2:50 197 [The virtual laboratory at USDA ARS](#)

Daniel Strickman

3:00-3:30 BREAK

3:30 218 [Introduction to DWFP activities at the USDA's Mosquito and Fly Research Unit](#)

Gary Clark

3:40 219 [Efficacy of TalstarOne-treated vegetation for mosquito control](#)

Daniel Kline, Sandy Allan, David Dame, Max Meisch, and Todd Walker

3:50 220 [Sampling and analysis of pesticides from barrier treatments](#)

Brian Quinn, Ulrich Bernier, and Daniel Kline

4:00 221 [Discovery of novel biting fly repellents and insecticides from structure-activity studies](#)

Ulrich Bernier, Alan Katritzky, Svetoslav Slovav, Gary Clark, and Kenneth Linthicum

4:10 222 [A high throughput screening method to identify potential pesticides for mosquito control](#)

Julia Pridgeon and James Becnel (presented by Gary Clark)

4:20 223 [Cytochrome c plays an important functional role in the development of *Aedes aegypti*](#)

Liming Zhao, Julia Pridgeon, James Becnel, Gary Clark, and Kenneth Linthicum

4:30 224 [Behavioral definitions, "excito-repellency", and its meaning with respect to mosquito contact with treated surfaces](#)

Miriam Cooperband and Sandra Allan

4:40 225 [Overview of activities at the Navy Entomology Center of Excellence in Jacksonville, Florida](#)

Daniel Szumlas, Todd Walker, Muhammad Farooq, and Craig Stoops

4:50 226 [Structure-activity relationship studies on the arthropod repellent callicarpenal](#)

Charles Cantrell, Jerome Klun, Julia Pridgeon, James Becnel, and Steve Duke

5:00 227 [Plant derived compounds and their synthetic analogs against the yellow fever mosquito *Aedes aegypti* \(Diptera: Culicidae\)](#)

Kumudini Meepagala, Julia Pridgeon, George Sturtz, James Becnel, and Stephen Duke

5:10 228 [Prospective use of fast acting pyrethroids for vector control](#)

Kamlesh Chauhan, Thanh Lee, and John Grieco

5:20 229 [Development spray systems for UAVs](#)

Clint Hoffmann, Yanbo Huang, and Bradley Fritz

5:30 230 [Natural pesticides and repellents from plants essential oils](#)

Marc Dolan, Janet McAllister, Nicholas Panella, Gabrielle Dietrich, Joseph Piesman, and Joseph Karchesy

5:40 231 [Pyriproxyfen as a vector control tool](#)

Devine, Stancil, Lopez, Astete, Ramirez, Escobedo, Florin, Morrison, Zamora, Curto, Diaz, Orellana, Sandoval & Yanoviak