

Plenary Session

O'Club Ballroom

Organizer: CAPT Stanton Cope

Monday Morning: 8 February 2010

- 0800-0805 **Welcome.** *CAPT Stanton Cope, AFPMB*
- 0805-0810 **Administrative Announcements.** *LTC Jamie Blow, AFPMB*
- 0810-0815 **Welcome to Jacksonville.** *CAPT John “Jack” C. Scorby, U.S. Navy, Commanding Officer, NAS, JAX*
- 0815-0830 **Remarks.** *Ms. Maureen Sullivan, Director, Environmental Management, Office of the Deputy Under Secretary of Defense (Installations and Environment)*
- 0830-0900 **In My Life, Kelly's Story.** *Mr. Richard Labell*
- 0900-0920 **Legislative and Regulatory Challenges facing Mosquito Control Programs.** *Mr. Joseph Conlon, Technical Advisor, American Mosquito Control Association*
- 0920-0940 **The Role of the IR-4 Project in Facilitating Registration of Public Health Pesticides.** *Dr. Jerry Baron, Executive Director, IR4 Project*
- 0940-1000 **EPA's Public Health Pesticide Initiatives.** *Ms. Lois Rossi, Registration Division, Office of Pesticide Programs.*
- 1000-1020 **Break**
- 1020-1050 **The Brown Tree Snake on Guam: Results and Lessons Learned from 20 Years of Management.** *Mr. Dan Vice, Assistant State Director, U.S. Department of Agriculture, APHIS, Wildlife Services, Hawaii/Guam/Pacific Islands*
- 1050-1120 **What's Old is New Again: Recent Developments in Arboviruses.** *Dr. Roger Nasci, Centers for Disease Control and Prevention, Fort Collins Colorado*
- 1120-1200 **National Center for Medical Intelligence: Worth Another Look.** *Dr. Kevin Hanson, National Center for Medical Intelligence, Ft. Detrick*

Pesticides in the 21st Century: Modern Chemistry versus Ancient Alchemy

O'Club Ballroom

Organizer: Cliff Myers

Monday Afternoon: 8 February 2010

- 1330-1355 **The Clean Water Act and Mosquito Control: Quo Vadis?** *Mr. Joe Conlon, Technical Advisor, American Mosquito Control Association*
- 1355-1425 **Bed Bug Control Chemicals, Then and Now.** *Dr. Harold Harlan, ISD, AFPMB*
- 1425-1500 **Molecular Design and Semi-Field Performance of Highly Selective Carbamates for Control of the Malaria Mosquito, *Anopheles gambiae*.** *Dr. Jeffrey R. Bloomquist, University of Florida*
- 1500-1520 **Break**
- 1520-1545 **Innovative Vector Control Developments from the Deployed War Fighter Protection (DWFP) Research Program.** *Dr. Graham White, Technical Consultant, DWFP*
- 1545-1610 **Zenivex: Introduction and Update.** *Mr. Mel Whitson, Zoecon Professional Products*
- 1610-1630 **Dam the mosquitoes...full steam ahead: Garrison Dam Mosquito Management Project, Williston, ND.** *Maj Mark Breidenbaugh, Youngstown Air Reserve Station*
- 1630-1700 **Endocrine Disruption.** *Dr. Faith M. Oi, University of Florida*

Futuristic Technology versus Primeval Killers

O'Club Ballroom

Organizer: CDR Daniel Szumlas

Tuesday Morning: 9 February 2010

- 0800-0805 **Welcome.** *CDR Daniel Szumlas, CDC det. NMCPHC*
- 0805-0825 **The AFPMB Equipment Committee's Greatest Hits.** *CDR Daniel Szumlas, CDC det. NMCPHC*
- 0825-0845 **Equipment Evaluations Leading to DoD's Next Generation of Pest Management Equipment.** *Dr. Todd Walker, NECE*
- 0845-0905 **Cutting Edge Techniques to Measure Droplet Spectrum and Chemical Deposition of Pesticide Spray Equipment.** *Dr. Muhammad Farooq, Navy Entomology Center of Excellence (NECE)*
- 0905-0920 **What's New and on the Horizon from BioQuip?** *Mr. Ken Fall, BioQuip*
- 0925-0955 **Hottest Evaluations of Insect Traps and Attractants.** *Dr. Daniel Kline, USDA*
- 0955-1000 **Questions and Discussion**
- 1000-1020 **Break**
- 1020-1040 **What are the Best Traps and Methods to Kill a Fly?** *Dr. Jerry Hogsette, USDA*
- 1040-1100 **Small Business Innovation Research (SBIR) - The New Equipment and Technology Pipeline to the Future.** *LTC Mark Carder, AMEDD&S, MAJ Kendra Lawrence, WRAIR, and CPT Elizabeth Wanja, WRAIR*
- 1120-1140 **What Snipers, Submarines, Tank Crews, W.H.O, and Commercial Aircraft Do with Special Mosquito Netting.** *Mr. Kurt Jordan, Mosquito Curtains*
- 1140-1200 **Latest R&D Leading to Bed Bug Traps and Area Repellents.** *Mr. James Nolen*
- 1200 **Closing Remarks.** *CDR Daniel Szumlas, CDC det. Navy and Marine Corps Public Health Center (NMCPHC)*

New Approaches for Combating Arthropod-borne Disease and Emerging Pathogens

NGIS Conference Room
Organizer: LCDR Brian Prendergast

Tuesday Morning: 9 February 2010

- 0800-0800 **Welcome.** *Organizer: LCDR Brian Prendergast*
- 0800-0820 **Medical Entomology Surveillance Issues in South Korea.** *Dr. Terry Klein, 18th MEDCOM*
- 0820-0840 **Surveillance of Vector-borne Disease in the U.S. Military.** *Ms. Asha Riegodedios, Staff Epidemiologist, NMCPHC*
- 0840-0900 **Entomologist's Role in the Clinical Trials of Investigational Malaria Vaccines and Drugs.** *MAJ Jittawadee Murphy, Department of Entomology, WRAIR*
- 0900-0920 **Dengue in the Americas and its Recurrence in the U.S.** *Dr. Gary Clark, USDA, ARS, Center for Medical, Agricultural and Veterinary Entomology (CMAVE)*
- 0920-0940 **Armed Forces Health Surveillance Center (AFHSC) Predictive Surveillance Program.** *CAPT Clara Witt, USPHS, Armed Forces Health surveillance Center*
- 0940-1000 **Ecological Niche Models of Plague in Uzbekistan: Extracting Biological Information from Multi-Species Models vs. Species Specific Models to Understand Hosts and Vectors.** *Dr. Jason Blackburn, University of Florida*
- 1000-1020 **Break**
- 1020-1040 **Remotely-sensed Land Use Patterns and the Presence of *Anopheles* Larvae (Diptera: Culicidae) in Sukabumi, West Java, Indonesia.** *LCDR Craig Stoops, NECE*
- 1040-1100 **VectorMap – Online Mapping Resource for Tick, Sand Fly and Mosquito Species.** *Dr. Desmond Foley, Walter Reed Biosystematics Unit*
- 1100-1120 **Geospatial Information and Vector-borne Disease.** *Dr. Jerome Freier, USDA, APHIS, Centers for Epidemiology and Animal Health, Fort Collins, CO*
- 1120-1140 **A GIS Model for Predicting the Real-time Risk of Arboviral Transmission in Florida.** *Dr. Jonathan Day, University of Florida*
- 1140-1200 **The Role of Remote Sensing Techniques in Predicting Sand Fly Distribution.** *MAJ Michelle Colacicco-Mayhugh, Department of Entomology, WRAIR. MAJ Michelle Colacicco-Mayhugh, Department of Entomology, WRAIR*

21st Century Pest Management in Natural Systems--New Strategies for Evolving Threats

NGIS Ballroom

Organizer: Mary Anderson

This session will be covering the latest strategies (what works and what doesn't) for controlling invasive species and other threats to DoD land managers. We will showcase emerging technologies to assist land managers in making better pest management decision in natural systems.

Wednesday Morning: 10 February 2010

- 0800-0805 **Welcome**, *Ms. Mary Anderson, Pest Program Manager/Botanist, HQ AFSPC*
- 0805-0835 **Predatory Ant Management at California Least Tern Nesting Sites at Southern California Navy Installations.** *Mr. Mike Medina, Applied Biologist, Naval Facilities Engineering Command Southwest*
- 0835-0925 **New Technologies in Decontaminating Vehicles.** *Dr. Harold Balbach, Research Biologist, USA-ERDC*
- 0925-1000 **Front Range Partnership for Controlling Invasive Plants.** *Ms. Mary Anderson, Pest Program Manager/Botanist, HQ AFSPC*
- 1000-1020 **Break**
- 1020-1040 **Latest Technologies from WES.** *Mr. Al Cofrancesco, Entomologist, USA-ERDC*
- 1040-1055 **Jacksonville District Invasive Species Program.** *Mr. Jeremy Crossland, USA-ERDC*
- 1055-1110 **Incorporation of New Core Technologies and Programming to Enhance Information Retrieval on the Management of Noxious and Nuisance Vegetation.** *Dr. Michael Grodowitz, USA-ERDC*
- 1110-1140 **TeleEngineering and Google Earth Capabilities.** *Mr. Robert Wallace, USA-ERDC*
- 1140-1155 **Overview of the Corps of Engineers Invasive Species Research Programs.** *Mr. Al Cofrancesco, Entomologist, USA-ERDC*
- 1155-1200 **Closing Remarks.** *Ms. Mary Anderson, Pest Program Manager/Botanist, HQ AFSPC*

Research and Repellents Symposium: Novel Methods to Improve Vector Surveillance and Control – Realistic, Not Futuristic

O'Club Ballroom

Organizers: CPT Elizabeth Wanja & Dr. Gabriela Zollner

Wednesday Morning: 10 February 2010

- 0800-0805 **Welcome and Opening Comments.** MAJ Kendra Lawrence, WRAIR
- 0805- 0825 **Current Research and Usage of Repellents in the German Armed Forces.**
Dr. Thomas Morwinsky, German Armed Forces
- 0825-0845 **Latest Research on Spatial Sepellency for Disease Control.** *Dr. Nicole Achée, USUHS*
- 0845-0905 **Spatial Repellent Evaluations in Thailand.** MAJ Brian Evans, AFRIMS
- 0905-0925 **Navy Medical Entomology Research in Southeast Asia.** *LT Kathryn Barbara, NAMRU-2*
- 0925-0945 **Visual Attraction of Ovitrap for Surveying Field Populations of Aedes Mosquitoes.** *LCDR Peter Obenauer, NAMRU-3*
- 0945-1000 **Feasibility of Applying Bacillus thuringiensis israelensis (Bti) Using ULV Methods.** *LT James Dunford, NECE*
- 1000-1020 **Break**
- 1020-1040 **Development of Broad Spectrum Insecticides Using a Rational Design Approach and Vector Genomic Data.** *Dr. Mary Ann McDowell, University of Notre Dame*
- 1040-1100 **Sand fly Surveillance in a Leishmania-Endemic Area of Marigat Province, Kenya.** *CPT Jeffrey Clark, USAMRU-K*
- 1100-1120 **Methodology and Statistical Considerations for User Acceptability Studies.**
Dr. Nicole Close, USAMMDA
- 1120-1140 **How USDA R&D translates into military products.** *Dr. Daniel Strickman, USDA/ARS*
- 1140-1200 **Discussion / Session Conclusion.** MAJ Kendra Lawrence, WRAIR

Army Entomology: The New, the Old, and the Updates

NGIS Conference Room

Organizer: LTC Jamie Blow

Wednesday Afternoon: 10 February 2010

- 1330-1400 **Consultant Update.** COL Scott Gordon, Commander, USAMRU-K, WRAIR
- 1400-1430 **HRC Update.** MAJ Winico Martinez, Human Resources Command
- 1430-1450 **AMEDDC&S Update: What is going on with METC and Pest Management Training.** LTC Mark Carder, Chief, Medical Zoology Branch, AMEDDC&S
- 1450-1500 **LTC/COL Acquisition Commands: What Are they and How do You Compete for One?** COL Russell Coleman, Commander, USAMMDA
- 1500-1520 **Break**
- 1520-1550 **Equipment Update: What's Out and What's In.** MAJ Jason Meckel, AFPMB and LTC Mark Carder, Chief, Medical Zoology Branch, AMEDDC&S
- 1550-1605 **Permethrin Uniform Update: What's Really Going On.** LTC Jamie Blow, AFPMB and LTC Ray Dunton, POPM, OTSG
- 1605-1620 **Long Term Health Education and Training: The Do's and Don'ts.** MAJ Michelle Colacicco-Mayhugh, Department of Entomology, WRAIR
- 1620-1635 **Current Entomology Research Efforts.** LTC Amy Korman, Director Overseas Laboratory Operations, WRAIR
- 1635-1650 **Public Health Command Update.** LTC Ray Dunton POPM OTSG and MAJ Michael Desena, CHPPM
- 1650-1700 **Closing.** COL Scott Gordon, Commander, USAMRU-K, WRAIR

Army Installations

O'Club Bar

Organizer: Zia Mehr

Wednesday Afternoon: 10 February 2010

- 1330 -1400 **U.S. Army Pest Management Program – Recent Policy Updates.** *Mr. Joseph Tarnopol, U.S. Army Senior Pest Management Consultant*
- 1400 – 1430 **US Army Environmental Command (USAEC) Pest Management Program – An Overview:** *Mr. Zia Mehr, USAEC Pest Management Consultant*
- 1430 – 1500 **An Overview of Pesticide Use on US Army Agricultural Outleashes.** *Mr. Zia Mehr, USAEC Pest Management Consultant and Mr. Jerold Spohn, Fort Riley Installation Pest Management Coordinator*
- 1500 -1520 **Break**
- 1530 – 1700 **Open Discussion on Pest Management Issues of Concern,** *USAEC Pest Management Staff*

AIR FORCE

O'Club River Room

Organizer: Col William Rogers

Wednesday Afternoon: 10 February 2010

- 1330-1345 **Introductions and Ground Rules.** *Col William Rogers*
- 1345-1410 **Air Force Medical Entomology Update and Assignment Projections.**
Col William Rogers
- 1410-1425 **Break**
- 1425-1445 **Air Force Pest Management.** *Mr. Donald Teig*
- 1445-1505 **3E4X3 Career Field Updates.** *SMSgt Kevin Delaney*
- 1505-1520 **Break**
- 1520-1540 **Public Health Career Field Initiatives: Home Station Medical Response and Factory-Treated ABUs.** *Lt Col James Mullins*
- 1540-1600 **Open Forum: What's Happening at Your Job?** *All Attendees*
- 1600-1615 **Break**
- 1615-1700 **Open Forum: What's Happening at Your Job?** *All Attendees*

Army, Navy, and Air Force Pest Management -- Organization and Missions, Unique Operational Requirements, and Challenges

O'Club Ballroom

Organizer: Jim Harrison

Pest management programs within the DoD have similar goals, but the operational requirements of the various Services vary. This symposium will explore some of the issues common throughout the DoD and then highlight selected Service topics of interest.

Thursday Morning: 11 February 2010

- 0800-0830 **Update to Residential Exposure Assessment Methods.** *Mr. Aaron Niman, EPA*
- 0830-0900 **EPA 25(b) Exempt Products.** *Mr. Zia Mehr, U.S. Army Environmental Command*
- 0900-0930 **Navy Pest Management Issues.** *Ms. Sherrie Bartku, NAVFAC Atlantic*
- 0930-1000 **National Guard/Reserve Component Pest Management Issues.** *Mr. Jim Harrison, Army Public Health Command Provisional West.*

Plugged-In and On-Line--IPM Training in the Information Age

O'Club Ballroom

Organizer: William Pittman

This brief symposium will focus on the use of technology to deliver IPM training. Speakers will address the issues of developing relevant on-line training, working to make such training "user friendly," and verifying that training has actually occurred.

Thursday Morning: 11 February 2010

- 1020-1025 **Welcome.** *Mr. William Pittman, AMEDDC&S*
- 1025-1055 **IPM on the Go: Using Technology to Teach IPM Strategies.** *Dr. Rebecca Baldwin, University of Florida*
- 1055-1125 **From Idea to Client: Developing User Friendly On-Line IPM Training.** *Dr. Jennifer Gillett-Kaufman, University of Florida*
- 1125-1155 **So you Want Verifiable Distance Training?** *Dr. Faith Oi, University of Florida*
- 1155-1200 **Closing Remarks.** *Mr. William Pittman, AMEDDC&S*

Deployed Entomology: Old Problems with a New Twist

NGIS Ballroom

Organizer: CDR Eric Hoffman

Providing vector borne disease and pest control support during contingency operations is an important mission for all DoD entomologists. Success in supporting combat operations, humanitarian assistance, and disaster relief missions depends on executing a proven set of capabilities common across the services and addressing a variety of challenges. Although each mission is unique, several issues remain consistent including collecting critical information, developing risk assessments, effectively reporting vector control activities, working in a joint environment, and logistics. Understanding each issue and developing an effective response will clearly benefit each service and enhance support of these missions. Issues discussed during this symposium will include development of an entomology module in the Defense Occupational and Environmental Health Readiness System (DOEHRS), services provided by the Defense Threat Reduction Agency (DTRA), NATO standardization agreement development (STANAG) and coalition capabilities, bird aircraft strike hazard (BASH) information and discussion of humanitarian/disaster relief missions.

Thursday Morning: 11 February 2010

- 0800-0840 **Defense Threat Reduction Agency's Biological Threat Reduction Program (BTRP).** *Mr. William Chapman, Defense Threat Reduction Agency*
- 0840-0920 **DOEHRS Development/Entomology Module.** *Mr. Brad Hutchens, Army Public Health Command Provisional*
- 0920-1000 **NATO Entomology Capabilities and STANAG 2048.** *LTC Jamie Blow, AFPMB*
- 1000-1020 Break**
- 1020-1100 **Bird Air Strike Hazards (BASH).** *Mr. Don Teig*
- 1100- 1135 **Partnership for Military Medicine.** *CAPT James Terbush, MC, USN, Command Surgeon COMUSNAVSO/4th Fleet*
- 1135-1200 **Lessons Learned from HA/DR Missions/Open forum.** *CDR Eric Hoffman, Commanding Officer, NSDL, Jacksonville*

Contract Pest Control in Deployed Operations: What You Need to Know

O'Club Ballroom

Organizer: LCDR Craig Stoops

Vector control in Iraq and Afghanistan is currently under LOGCAP contract on most bases. The purpose of the symposium is to discuss the history of vector and pest control contracting during contingencies and experiences of deployed uniformed entomologists with vector control contractors. A majority of the symposium will consist of a round table discussion where the experiences of all symposium participants can be heard. Following the symposium the experiences and recommendations of the participants will be summarized in a written report.

Thursday Afternoon: 11 February 2010

- 1330-1335 **Introduction** *LCDR Craig Stoops, NECE*
- 1335-1435 **Vector control contracting during Contingencies.** *LTC Jamie Blow, AFPMB*
- 1435-1500 **Round Table Discussion - Experiences of Deployed Entomologists.**
LCDR Craig Stoops, NECE
- 1500-1520 **Break**
- 1520-1700 **Round Table Discussion - Summary and Recommendations.** *LCDR Craig Stoops, NECE*

Current Trends in Entomology Quarantine

NGIS Conference Room

Organizer: Capt Timothy Davis

Thursday Afternoon: 11 February 2010

- 1330-1415 **Understanding Pathways of Introduction: A Strategy for Mitigating Military Agriculture Pest Risks Originating from the Middle East.**
Mr Paul Courneya, USDA-APHIS
- 1415-1500 **Retrograde Cargo: A CENTCOM Perspective.** *LTC Richard Vargas, CENTCOM*
- 1500-1515 **Break**
- 1515-1600 **Invasive Species Risk Assessment.** *Mr. Robert Griffin, USDA-APHIS*
- 1600-1645 **Military Aircraft Quarantine Prevention: Strengths and Challenges.**
Capt Timothy Davis, HQ Air Mobility Command

Deployed War Fighter Protection Program - Operational Pest Management Research Advances

O'Club Ballroom

Organizer: Lt Col Douglas Burkett

Friday Morning: 12 February 2010

- 0800-0805 **DWFP Program Overview.** *Lt Col Douglas Burkett AFPMB RLO*
- 0805-0815 **DWFP USDA ARS Overview.** *Dr. Dan Strickman USDA ARS, National Program Leader, Veterinary, Medical, and Urban Entomology*
- 0815-0825 **Field Studies in Desert and Temperate Environments in the U.S. and Kenya, and Laboratory Studies of Pathogen-Infected Mosquitoes.** *Dr. Ken Linthicum, Director, ARS CMAVE*
- 0825-0835 **Update on the Search for New Toxicants and Methods for Control.** *Dr. James Becnel, ARS CMAVE*
- 0835-0845 **New Insecticides and Repellents For Use on Mosquitoes and Sand Flies.** *Dr. Uli Bernier, ARS CMAVE*
- 0845-0855 **Evaluation of Fly Traps Under Desert Conditions.** *Dr. Jerry Hogsette, ARS CMAVE*
- 0855-0905 **Evaluation of Spatial Repellents Under Semi-Field and Field Conditions.** *Dr. Dan Kline, ARS CMAVE*
- 0905-0915 **Sand Fly and Mosquito Behavioral and Efficacy Work Using Duet™ and Other Insecticide-Treated Surfaces.** *Dr. Sandra Allan, ARS CMAVE*
- 0915-0925 **Impact of Sub-Lethal Exposure to Insecticides on Vector Control.** *Dr. Lee Cohnstaedt, ARS CMAVE*
- 0925-0935 **Traps, Attractants, Targets and Insecticides for House Flies.** *Dr. Chris Geden, ARS CMAVE*
- 0940-0950 **Search for Mosquito Controlling Compounds.** *Dr. Kumudini Meepagala, Natural Products Utilization Research Unit*

- 0950-1000 **Natural Products as Repellents and Insecticides.** *Dr. Charles Cantrell, Natural Products Utilization Research Unit*
- 1000-1015 **Aerial and Other Application Technology: Area-wide Pest Management Unit.** *Dr. Brad Fritz, College Station, TX*
- 1015-1030 Break
- 1030-1040 **Novel Filth Fly Trapping Technology.** *Mr. Joe Diclaro, Department of Entomology and Nematology, University of Florida*
- 1040-1050 **Aerial Application of Deltamethrin and Insecticide Registration Challenges in Europe.** *Mr. Alexandra Chaskopoulou, Department of Entomology and Nematology, University of Florida*
- 1050-1105 **Use of the Fluorescent Tracer Technique (FTT) In the Laboratory and Field to Study Rodent-Sand Fly Interactions – Sand Fly Control Proof of Concept.** *Dr. Lane Foil and Dr. Tom Mascari, Department of Entomology, Louisiana State University*
- 1105-1120 **Rodent Feed-Through Insecticides Used to Control Sand Flies – Registration and Field Work Challenge.,** *Mr. Richard Poche, Genesis Laboratories Inc.*
- 1120-1135 **Pyriproxyfen Auto-Dissemination by *Aedes aegypti* in Thailand – Proof of concept.** *LTC Jason Richardson, AFRIMS*
- 1135-1145 **Navy Entomology Center of Excellence and the Deployed War Fighter Protection Program.** *CDR George Schoeler, Officer in Charge, NECE*
- 1145-1200 **NECE Equipment Testing/Evaluations and DWFP Related Research Projects.** *Dr. Todd Walker, NECE*

Diagnosics: What Can It Do for You?

NGIS Conference Room

Organizer: Melissa Miller

Friday Morning: 12 February 2010

0800-0805 **Welcome.** *Ms. Melissa Miller, Ms. Melissa Miller, USAPHC Region-North*

ORAL PRESENTATIONS

0805-0825 **Vector-borne and zoonotic pathogen diagnostic needs for U.S. Navy Entomologists Deployed in support of the U.S. Marine Corps.** *LCDR Craig Stoops, NECE*

0825-0845 **Vector-Borne Disease Surveillance in Southeast Asia—Challenges and Opportunities in Vector Collection and Pathogen Detection.** *Jim McAvin, 59th CRD; MAJ Brian Evans, Alongkot Ponlawat, Ratree Takhampunya, LTC Jason Richardson, AFRIMS.*

0845-0905 **Use of Rapid Vector Diagnostics During Military Deployments.** *COL Russell E. Coleman, USAMMADA and Dr. Michael K. Faulde, Department of Medical Zoology, Central Institute of the Bundeswehr Medical Service, Koblenz Germany*

0905-0925 **Evaluation of Novel Dipstick Assays for the Detection of Rift Valley Fever Virus (RVFV) in Mosquitoes.** *Dr. Michael Turell, USAMRIID; Mr. Kirti Dave, VecTOR Test Systems; Dr. Zahra Parker, WRAMC; Dr. Maria Mayda, WRAMC; COL Russell E. Coleman, USAMMADA; and Dr. Daniel Strickman, USDA*

0925-0945 **Support of Far Forward Disease Surveillance Operations with Deployable, Real-time Vector-borne Disease Agent Analytic Capability.** *Col James Swaby, USAF, Chief, 59th Clinical Research Training Division, and Mr. Jim McAvin, 59th CRD*

0945-1000 **USACHPPM-North Vector-Borne Diseases Detection Program 2007-2010: What We Did for Contingency Diagnostics.** *Mr. Jessica Turner, USAPHC Region North, LT Kirk Mundal USN, LCDR Craig Stoops USN, Ms. Melissa Miller, USAPHC Region-North*

1000-1020 **Break**

HANDS-ON PRESENTATIONS and POSTERS

- 1020-1045 **Arthropod –Borne Disease Testing Services Available from U.S. Public Health Command (USPHC) Provisional.** *Mr. Kevin Harkins, USAPHC (PROV) APG*
- 1045-1105 **Recommended Methods for Storage and Shipment of Samples for Identification and Molecular Evaluation.** *Ms. Alexandra R. Spring, USAPHC Region-North*
- 1105-1130 **DNA Barcodes: Are They The Future for Accurate Vector Identification?** *Richard Wilkerson: Division of Entomology, WRAIR and Yvonne-Marie Linton, Department of Entomology, Natural History Museum, London.*
- 1130-1155 **Real-Time Detection of Arthropod-Borne Pathogens in Locally Acquired Samples Using a RAPID Based System.** *Jim McAvin, 59th CRD, and AFRIMS*
- 1155-1200 **Closing Remarks.** *Ms. Melissa Miller, USAPHC Region-North*