Session Descriptions

TUESDAY, MARCH 13: INTEGRATED MOSQUITO MANAGEMENT

Core Competencies
- Routine surveillance through standardized trapping and identification
- Treatment decisions using surveillance data
- Larviciding, adulticiding, or both
- Routine vector control activities

Supplemental Competencies
- Community outreach and education campaigns regarding mosquito-borne diseases, how they spread and how to prevent infection
- Regular communication with local health departments regarding surveillance and epidemiology

Breakfast & Registration
8:00 – 9:00am
Breakfast will be served in Salons V – VIII.

Introductions & Opening Statements
9:00 – 9:15am
Alvina K. Chu, MHS, Program Manager Epidemiology Program, Florida Department of Health in Orange County

A Tale of Three Competencies: A Baseline Assessment of Mosquito Surveillance and Control
9:15 – 9:45am
Oscar Alleyne, DrPH, MPH, Senior Advisor for Public Health Programs, NACCHO

Keynote: Integrated Mosquito Management
9:45 – 10:30am
Roxanne Connelly, PhD, BCE, Chief Entomologist, Division of Vector-Borne Diseases, Centers for Disease Control and Prevention (CDC) National Center for Emerging and Zoonotic Infectious Diseases (NCEZID); Former President of the American Mosquito Control Association

Coffee Break
10:30 – 10:45am

Putting Integrated Mosquito Management into Practice: A Panel Discussion
10:45am – 12:00pm
Ben Beard, MS, PhD (Moderator), Deputy Director, Division of Vector-Borne Diseases, CDC NCEZID
Chris Fredregill, Field Operations Manager, Mosquito and Vector Control, Harris County Public Health, TX
Chris Barker, MS, PhD, Associate Professor and Researcher, University of California Davis, CDC Center of Excellence
Lauren Lochstampfor, Environmental Health Specialist, Disease Carrying Insects Program, Fairfax County Health Department, VA (Booth 7)

Lunch
12:00 – 1:15pm
Lunch will be served in the Lower Atrium.
Lightning Rounds
1:15 – 2:25pm
Learn from your peers in the lighting round sessions! Winners of a competitive selection process will briefly demonstrate a tool or best practice used in their mosquito control organizations.

Best Practices for Integrated Mosquito Management at Anastasia Mosquito Control District
Rui-de Xue, PhD, Anastasia Mosquito Control District (Booth 3)

Moving Forward: Integration with Communicable Disease Control Services and Other Program Improvements
James Sayers, St. Louis County Department of Health (Booth 4)

Community-based Participatory Surveillance: Utility of the Kidenga App as a Vector Surveillance and Prevention Tool
Steve Waterman, MD, MPH, Centers for Disease Control and Prevention

Networking Coffee Break & Booth Visitations
2:25 – 3:10pm
The Lightning Rounds act as teasers for the tools and resources that will be shared during Booth Visitations. Booths will be staffed by local mosquito control jurisdictions and industry partners demonstrating methods of mosquito control technology. See the full booth list below.

Extended Technical Training: Integrated Mosquito Management
3:10 – 5:00pm (Concurrent)
Isik Unlu, PhD, Chair of Training and Member Education, American Mosquito Control Association (AMCA)
This training session will provide participants the opportunity to discuss a case study scenario based on the AMCA Best Practices Manual Process. During this activity, table groups will be asked to discuss alternatives for mosquito control and make decisions based on scenarios provided. Facilitators will then provide optimal solutions based on best practices and debrief additional thoughts and insights from the table groups.

Map A Scenario 2—Moderate Resources, Suburban Southwest: Salon V
Claudia Riegel, PhD, Director, New Orleans Mosquito, Termite and Rodent Control Board, LA

Map B Scenario 2—Moderate Resources, Urban Mid-Atlantic: Salon VI
Roxanne Connelly, PhD, BCE, Chief Entomologist, Division of Vector-Borne Diseases, CDC NCEZID; Former President, AMCA

Map A Scenario 1—Limited Resources, Suburban Southwest: Salon VII
Jason Kinley, MS, AMCA President-elect, District Manager, Gem County Mosquito Abatement District, IA

Map B Scenario 1—Limited Resources, Urban Mid-Atlantic: Salon VIII
Michael Doyle, State Public Health Entomologist, North Carolina Department of Health and Human Services, NC

Generic Map Scenario 3—Robust Resources, Southern U.S., Congested Suburban: Discovery
Wayne Gale, President, AMCA; Executive Director, Lee County Mosquito and Hyacinth Control Districts

WEDNESDAY, MARCH 14: PESTICIDE RESISTANCE TESTING

Core Competency

- Pesticide resistance testing

Supplemental Competencies

- Vector control activities other than chemical control
- Regular communication with local health departments regarding surveillance and epidemiology
- Outreach (communication and/or cooperation) with nearby vector control programs

Breakfast & Registration
8:00 – 9:00am
Breakfast will be served in Salons V – VIII.
Lightning Rounds  
9:00 – 10:10am  
Learn from your peers in the lighting round sessions! Winners of a competitive selection process will briefly demonstrate a tool or best practice used in their mosquito control organizations.

**Mosquito Surveillance in Southern Nevada: Aedes aegypti 2017**  
Vivek Raman, Southern Nevada Health District (Booth 5)

**Timely Public Health Intervention and Vector-borne Response Planning**  
Phil Maytubby, Oklahoma City-County Health Department (Booth 6)

**Genetic Tools to Control Insects: Friendly™ Mosquitoes**  
Derric Nimmo, Oxitec (Booth 2)

Networking Coffee Break & Booth Visitations  
10:10 – 11:15am  
The Lightning Rounds act as teasers for the tools and resources that will be shared during Booth Visitations. Booths will be staffed by local mosquito control jurisdictions and industry partners demonstrating methods of mosquito control technology. See the full booth list below.

**Keynote: Pesticide Resistance Testing**  
11:15am – 12:00pm  
Claudia Riegel, PhD, Director, New Orleans Mosquito, Termite, and Rodent Control Board

Lunch  
12:00 – 1:00pm  
Lunch will be served in the Lower Atrium.

Panel Discussion with Q&A  
1:00 – 2:15pm  
**Ben Beard, BS, MS, PhD (Moderator),** Deputy Director, Division of Vector-Borne Diseases, CDC NCEZID  
**Janet McAllister, PhD, BCE,** Research Entomologist, CDC NCEZID  
**Sandra L. Fisher-Grainger, MPH,** Director, Hernando County Mosquito Control, FL  
**Michael Doyle,** State Public Health Entomologist, North Carolina Department of Health and Human Services

Coffee Break  
2:15 – 2:30pm

Extended Technical Training: Integrated Mosquito Management  
2:30 – 4:30pm (Concurrent)  
**Isik Unlu, PhD, Chair of Training and Member Education, AMCA**

This training session will provide participants the opportunity to learn about resistance and monitoring through a flash card activity. They will discuss an additional case study component regarding pesticide resistance based on the AMCA Best Practices Manual Process. During this activity, table groups will be asked to discuss resistance and make decisions based on scenarios provided. Facilitators will provide optimal solutions based on best practices and debrief additional thoughts and insights from the table groups. Session will conclude with a brief overview of the AMCA resources available for further study.

**Map A Scenario 2—Moderate Resources, Suburban Southwest:** Salon V  
Claudia Riegel, PhD, Director, New Orleans Mosquito, Termite and Rodent Control Board, LA

**Map B Scenario 2—Moderate Resources, Urban Mid-Atlantic:** Salon VI  
Roxanne Connelly, PhD, BCE, Chief Entomologist, Division of Vector-Borne Diseases, CDC NCEZID; Former President, AMCA

**Map A Scenario 1—Limited Resources, Suburban Southwest:** Salon VII  
Jason Kinley, MS, AMCA President-elect, District Manager, Gem County Mosquito Abatement District, IA

**Map B Scenario 1—Limited Resources, Urban Mid-Atlantic:** Salon VIII  
Michael Doyle, State Public Health Entomologist, North Carolina Department of Health and Human Services, NC
**THURSDAY, MARCH 15: LICENSING AND ORDINANCES**

**Supplemental Competencies**

- Licensed Pesticide Application
- Regular communication with local health departments regarding surveillance and epidemiology
- Outreach (communication and/or cooperation) with nearby vector control programs
- Bonus competency: Local ordinances (topic identified by NACCHO Vector Control Workgroup)

**Breakfast & Registration**

8:00 – 8:45am
Breakfast will be served in Salons V – VIII.

**Panel Discussion: Perspectives on Public Health Law and Mosquito Control**

8:45 – 9:45am

**Tyler Zerwekh, DrPH, REHS (Moderator),** Administrator of Environmental Health Services Bureau, Shelby County Health Department, TN

**Shaun C. May, MPH, REHS,** Director of Environmental Health, Bi-City-County Health District, Amarillo, TX

**Honorable Judge Thomas Walsh**

**Matthew Penn, JD, MLIS,** Director, Public Health Law Program, Centers for Disease Control and Prevention

**Closing Statements**

9:45 – 10:00am

**Oscar Alleyne, DrPH, MPH,** Senior Advisor for Public Health Programs, NACCHO

**Coffee Break**

10:00 – 10:15am

**Extended Technical Training**

10:15am – 12:00pm (Concurrent)

**Ensuring Successful Monitoring and Data Utilization for Program Improvement:** Salon II

**Rachel Morreale,** Lee County Mosquito and Hyacinth Control Districts; **Jared Shoultz,** Health GIS Patterns Specialist, Esri

Hands-on demonstration on correct use of traps including common mistakes, maintenance and placement. The second part of the session will include using information collected to improve your program, including: engaging citizens, planning, reporting and sharing treatment activities and results, conducting field operations, monitoring mosquito populations and tracking vector-borne disease, and mapping data in real-time.

**Building Programs Through Internal and External Partnerships:** Salon V-VI

**Shaun C. May, MPH, REHS** Director of Environmental Health, Bi-City-County Health District, Amarillo, TX; **Terri Harder, BSN, RN,** Program Manager, Epidemiology and Health Assessment, Florida Department of Health in Collier County; **Jennifer Stepanian,** Florida Department of Health in Orange County

How three successful programs utilize internal, external, and non-traditional partnerships to protect public health.

**How to Build and Improve Mosquito-Focused Outreach and Communications Programs:** Salon VII

**Vanessa Lamers, MESc, MPH,** Assistant Director, Performance Management and Quality Improvement, Public Health Foundation; **Scott Meador,** Program Coordinator, Vector Control, Tulsa Health Department, OK

Building and improving outreach and communications around mosquito control and disease.

**Pesticide Application: A Practical Guide to Pesticide Licensing, Label Interpretation and Rate Calculations:** Salon VIII

**Christine L. Vanover, MPH,** Public Health Analyst, National Center for Environmental Health (NCEH), Water, Food, and Environmental Health Services Branch, CDC; **Andrew J Ruiz, MSPH,** Health Scientist, NCEH, Food, Water and Environmental Health Services Branch, CDC

Everything you wanted to know about pesticides including: interpretation of pesticide labels, application rates, and the intricacies of pesticide applicator licensing.
<table>
<thead>
<tr>
<th></th>
<th>Booths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clarke</td>
</tr>
<tr>
<td>2</td>
<td>Oxitec</td>
</tr>
<tr>
<td>3</td>
<td>Anastasia Mosquito Control District</td>
</tr>
<tr>
<td>4</td>
<td>St. Louis County Department of Health</td>
</tr>
<tr>
<td>5</td>
<td>Southern Nevada Health District</td>
</tr>
<tr>
<td>6</td>
<td>Oklahoma City-County Health Department</td>
</tr>
<tr>
<td>7</td>
<td>Fairfax County Health Department</td>
</tr>
<tr>
<td>8</td>
<td>Florida Department of Health in Orange County</td>
</tr>
<tr>
<td>9</td>
<td>Centers for Disease Control and Prevention: National Center for Emerging and Zoonotic Infectious Diseases and National Center for Environmental Health CDC/NCEZID/NCEH</td>
</tr>
<tr>
<td>10</td>
<td>National Association of County and City Health Officials (NACCHO)</td>
</tr>
</tbody>
</table>