

AGENDA

Monday, November 15, 2021

10:00AM - 2:00AM	FMCA Board Meeting
10:00AM - 5:00PM	Exhibitor Set-up
10:00AM - 6:00PM	Registration
12:00PM - 5:00PM	FMCA Committee Meetings
5:30PM - 7:00PM	Opening Reception with Exhibitors

Tuesday, November 16, 2021

7:00AM - 5:00PM	Registration
8:00AM - 10:00AM	General Session I <i>Moderator: James Clauson</i>
8:00AM - 8:05AM	Call to Order, Announcements <i>James Clauson, FMCA President</i>
8:05AM - 8:25AM	Presidential Address <i>James Clauson and Donnie Powers</i>
8:25AM - 8:40AM	AMCA Update <i>Rob Cartner, AMCA South Atlantic Regional Representative</i>
8:40AM - 9:20AM	Keynote Address: If You Liked 'Alien' Then You'll Love This: Biography of a Cold-Blooded Killer <i>Randy Gaugler, Rutgers University (retired)</i>
9:20AM - 9:35AM	FDACS 2021 Update <i>Marah Clark</i>
9:35AM - 9:55AM	Operational Opportunities and Challenges at the Sacramento- Yolo Mosquito and Vector Control District <i>Samer Elkashef, Sac-Yolo (CA) Mosquito Control District</i>
10:00AM - 10:30AM	Break and Meet the Exhibitors
10:00AM - 12:00PM	General Session II <i>Moderator: Casey Crockett</i>
10:00AM - 10:20AM	Addressing the Evolving Training Needs of the Mosquito Control Industry <i>Casey Crockett, ADAPCO</i>
10:20AM - 10:40AM	Operational Field Trials of Imperium in Mosquito Control in Louisiana and Delaware <i>Mark Latham, Manatee County Mosquito Control District (retired)</i>
10:40AM - 10:55AM	Anastasia Mosquito Control District's Applied Research Collaboration - 2020-2021 <i>Whitney Qualls and Rudy Xie, Anastasia Mosquito Control District</i>
10:55AM - 11:10AM	Aedes albopictus Resistance: A Case Study of Adulticide Rotation and Cross-Resistance <i>Peter Jiang, Gainesville Mosquito Control District</i>
11:10AM - 11:25AM	An Update on the Resistance Status of Florida Aedes Aegypti, Ae. Albopictus, and Culex Quinquefasciatus Mosquitoes <i>Eva Buckner, UF/ FMEL</i>
11:25AM - 11:40AM	Evaluation of Insecticide Resistance in Mosquitoes Collected from Nantucket, MA <i>Broox Boze, VDCI</i>
11:40AM - 12:00PM	Balancing Adult Mosquito Control and Nontarget Effects Across Seminole County <i>Jacob Hart, University of Central Florida</i>
12:00PM - 1:30PM	Lunch for All with Exhibitors Director's Lunch in Conference Room
12:00PM - 1:30PM	Lunch with Exhibitions Director's Lunch in Conference Room
1:30PM - 3:00 PM	General Session III <i>Moderator Katie Williams</i>
1:30PM - 1:45PM	Contradicting 355 Years of Mosquito Larval Physiology and Respiratory Dogma <i>Herb Nyberg, New Mountain Innovations</i>

Florida Mosquito
Control Association



Tuesday, November 16, 2021 Continued

1:45PM - 2:00PM	A New Lab! Open for Business! <i>Mike Riles, Beach Mosquito Control District</i>
2:00PM - 2:20PM	Heartaches and Challenges of Running a Mosquito Control District - Perspectives from California <i>Mark Breidenbaugh, Northwest Mosquito & Vector Control District (CA)</i>
2:20PM - 2:40PM	Heartaches and Challenges of Running a Mosquito Control District - Perspectives from Florida <i>Adriane Rogers, Pasco Mosquito Control District</i>
2:40PM - 3:00PM	Social Media 202 <i>Michael Mut, Miami-Dade Mosquito Control District</i>
3:00PM - 3:30PM	Break
3:30PM - 3:45PM	Transforming the Way We Reach Our Citizens <i>Jillian Meek, Pasco County Mosquito Control District</i>
3:45PM - 4:00PM	Sentinel Successes Worth Sharing <i>Max Dersch, Manatee County Mosquito Control District</i>
4:00PM - 4:15PM	Biogents BG Counter 2 Trap: A vital component of our surveillance program with field data examples <i>Tarolyn Plumley, Citrus County Mosquito Control District</i>
4:15PM - 4:30PM	Using the BG-Counter to replace Human Landing Rate Counts in the Florida Keys <i>Catherine A. Pruszyński, Florida Keys Mosquito Control District</i>
4:30PM - 5:00PM	Unmanned Aircraft Systems (UAS) Around the Country, What Are They Good For and How Are They Supporting Vector Control Operations? <i>Bill Reynolds, Leading Edge Aerial Technologies</i>
5:30PM - 7:00PM	Presidential Reception

Wednesday, November 17, 2021

8:00AM - 10:00AM	General Session IV <i>Moderator: Larry Hribar</i>
8:00AM - 8:10AM	Rediscovery of <i>Aedes scapularis</i> (Diptera: Culicidae) in the Florida Keys <i>Larry Hribar</i>
8:10AM - 8:25AM	A Review of the Literature on the Impacts of Pesticides on Fireflies <i>Kristen Heely, LSU</i>
8:25AM - 8:40AM	Field Evaluation of the In2Care trap at Low Densities for <i>Aedes aegypti</i> Control <i>Estelle Martin, University of Florida</i>
8:40AM - 8:55AM	FKMCD/Oxitec Mosquito Project: Winning the War against Misinformation <i>Chad Huff, Keys Mosquito Control District</i>
8:55AM - 9:10AM	FKMCD-Oxitec Mosquito Project in the Florida Keys <i>Rajeev Vaidyanathan, Oxitec</i>
9:10AM - 9:25AM	Resistance to Methoprene in the Black Saltmarsh Mosquito, <i>Aedes taeniorhynchus</i>, in Pasco County, Florida <i>Agne Prasauskas, Pasco Mosquito Control District</i>
9:25AM - 9:40AM	Development and Validation of a Colorimetric Reverse Transcriptase Loop-Mediated Isothermal Amplification Assay for Detection of Eastern Equine Encephalitis Virus in Mosquitoes <i>Kristi M. Miley, USF</i>
9:40AM - 10:00AM	Field Evaluation of WALS truck-mounted A1 Super Duty Mist Sprayer® with VectoBac® WDG against <i>Aedes aegypti</i> (Diptera: Culicidae) populations in Manatee County, Florida <i>Samantha Ramirez, Manatee County Mosquito Control District</i>

AGENDA

Florida Mosquito
Control Association



10:00AM - 10:30AM **Break**

Wednesday, November 17, 2021 Continued

10:30AM - 12:00PM **General Session V**

Moderator Scott Schermerhorn

- 10:30AM - 10:45AM **Field Trial Efficacy of FourStar® Bti CRG on Aedes taeniorhynchus in the Florida Keys** | *Heidi Murray, Keys Mosquito Control District*
- 10:45AM - 11:00AM **NACCHO and the Vector Control Workgroup** | *Sandra Fisher-Grainger, Hernando County Mosquito Control District*
- 11:00AM - 11:15AM **Spatial Ecological Modeling of Arboviral Risk in Florida** | *Sean Beeman, Uniformed Services University of the Health Sciences*
- 11:15AM - 11:30AM **Host Selection Patterns of Culex quinquefasciatus and Culex nigripalpus, Two West Nile Virus Vectors in Florida** | *Chip Hancock, Sarasota County Mosquito Management Services*
- 11:30AM - 12:00PM **FMCA Business Meeting: Bylaws, Financial Statement & Election Results** | *President James Clauson*

12:00PM - 1:30PM **Lunch On Own**

1:30 PM - 3:00PM **General Session VI**

Moderator: Miranda Tressler

- 1:30PM - 1:45PM **Senecio Automated Identification and Pooling System** | *Hanan Lepek & Ralph Breslauer, Senecio Robotics*
- 1:45PM - 2:00PM **Successes and Obstacles of the 2020 DEN-V Outbreak in Key Largo, FL** | *Michael Boehmler, Florida Keys Mosquito Control District*
- 2:00PM - 2:15PM **In-House Capabilities for Arbovirus Surveillance at AMCD** | *Steven Peper, Anastasia Mosquito Control District*
- 2:15PM - 2:30PM **Collaboration is the Key to Streamlining Technology** | *Mike Reynolds, Leading Edge Associates*
- 2:30PM - 2:45PM **Standing Up for Mosquito Control in Difficult Times of Public Perception and Justifying Your Job** | *Miranda Tressler, Volusia County Mosquito Control District*
- 2:45PM - 3:00PM **Building a Disease Vector Education Center and SIT Production Laboratory at AMCD** | *Richard Weaver, Anastasia Mosquito Control District*

3:00PM - 3:30PM **Break**

- 3:30PM - 3:45PM **Quantitative RT-qPCR For Detection of Specific Pathogens in Individual and Pooled Collections of Mosquitoes** | *Ernest Colaizzi, Research Associates Laboratory*
- 3:45PM - 4:00PM **Comparison of CDC Light Traps and Gravid Traps for Arbovirus Surveillance in Conjunction with Sentinel Chicken Surveillance** | *Heather Ward, Anastasia Mosquito Control District*
- 4:00PM - 4:15PM **Scapularis and tortilis and declarator, oh my! New species records for Collier County** | *Rebecca Heinig, Collier Mosquito Control District*
- 4:15PM - 4:30PM **AMCD's Surveillance Trapping Report, January 2020 - September 2021** | *Steven Smoleroff, Anastasia Mosquito Control District*
- 4:30PM - 4:45PM **The Evolution of Hillsborough County's Mosquito Fish Program - How We Adapted to Continue Our Public Outreach During COVID-19** | *Alexa Patrizio, Hillsborough Mosquito Control District*
- 4:45PM - 5:00PM **Senecio Novel Drone Release for Sterile Mosquitoes** | *Hanan Lepek & Ralph Breslauer, Senecio Robotics*

5:30PM - 7:00PM **Social and Silent Auction**

7:00PM - 9:00PM **Awards Banquet**

Installation of New Officers and Board Members

Auction Item retrieval will open after the banquet

Thursday, November 18, 2021

8:00AM - 10:00AM	General Session VII <i>Moderator: Mike Riles</i>
8:00AM - 8:15AM	"Lag of the Art" – A product development review (1962 to present) of US adulticide space sprays Jason Clarke and Banugopan Kesavaraju, Valent BioSciences
8:15AM - 8:30AM	Five Novel SNPs in Voltage-gated Sodium Channel Gene Identified in <i>Aedes aegypti</i> Mosquitoes from Florida Kyle J. Kosinski, UF/FMEL
8:30AM - 8:45AM	How We Respond to Service Requests at Anastasia Mosquito Control District Dena Autry, Anastasia Mosquito Control District
8:45AM - 9:00AM	Field observations of invasive species <i>Aedes japonicus</i> and Larval Contemporaries in Escambia County, Florida Mike Riles, Beach Mosquito Control District
9:00AM - 9:15AM	Managing Mosquitoes in an Urban Setting – Hillsborough County's Urban Larviciding Program Mary S. Geesey, Hillsborough Mosquito Control District
9:15AM - 9:30AM	Get Dynamic Real-Time Operational Awareness with ArcGIS Dashboards and FieldSeeker Chad Minter and Linda Glover, Frontier Precision
9:30AM - 9:45AM	Effects of Pesticide Exposure to <i>Aedes aegypti</i> and Implications on Vector Competence Robert L. Aldridge, University of Florida
9:45AM - 10:00AM	Growing social media from the ground up: How We Saw an Increase in Followers in Six Months Tarolyn Plumley, Citrus County Mosquito Control District
10:00AM - 10:30AM	Break
10:30AM - 10:45AM	Evaluation of Water-Based Thermal Fogger for Larvicide-Adulticide Mixture Application Muhammad Farooq, Anastasia Mosquito Control District
10:45AM - 11:00AM	Evaluation of a Nanoencapsulated Formulation of the Essential Oil Insecticide: BigShot Maxim Kai Blore, Anastasia Mosquito Control District
11:00AM - 11:15AM	The EntoExchange: A Mosquito Specimen Identification and Exchange Network with Data Management System Dan Killingsworth, Environmental Security Pest Control
11:15AM - 11:30AM	Sirenix Lethal Ovitraps Herb Nyberg, New Mountain Innovations
11:30AM - 11:30AM	One Hundred Years of Observation Cindy Mulla, Beach Mosquito Control District