

Monday, November 14

10:00 AM - 5:00 PM	FMCA Committee Meetings	Harbor/Galleon Room
10:00 AM - 6:00 PM	Registration	Ocean Ballroom Foyer
10:00 AM - 5:00 PM	Exhibitor Set-up	Atlantic Ballroom
2:00 PM - 4:00 PM	FMCA Board Meeting	Hammock Board Room
3:00 PM - 5:00 PM	Young Professional's Event	Mantanza Room
5:30 PM - 7:00 PM	Opening Reception with Exhibitors	Atlantic Ballroom

Tuesday, November 15

7:00 AM - 5:00 PM	Registration	Ocean Ballroom Foyer
8:00 AM - 10:00 AM	General Session I	Ocean Ballroom
10:00 AM - 10:30 AM	Networking Break with Exhibitors	Atlantic Ballroom
10:30 AM - 12:00 PM	General Session II	Ocean Ballroom
12:00 PM - 1:30 PM	Lunch with Exhibitors	Atlantic Ballroom
1:30 PM - 3:00 PM	General Session III	Ocean Ballroom
3:00 PM - 3:30 PM	Networking Break with Exhibitors	Atlantic Ballroom
3:30 PM - 5:00 PM	General Session IV	Ocean Ballroom
5:30 PM - 7:00 PM	Presidential Reception	Center Courtyard

Wednesday, November 16

7:30 AM - 5:00 PM	Registration	Ocean Ballroom Foyer
8:00 AM - 10:00 AM	General Session V	Ocean Ballroom
10:00 AM - 10:30 AM	Networking Break with Exhibitors	Atlantic Ballroom
10:30 AM - 12:00 PM	General Session VI & FMCA Business Meeting	Ocean Ballroom
12:00 PM - 1:30 PM	Lunch with Exhibitors	Atlantic Ballroom
12:00 PM - 1:30 PM	Director's Luncheon	Mantanzas Room
12:00 PM - 3:30 PM	Commissioner's Luncheon	East Flagler MCD
1:30 PM - 3:00 PM	General Session VII	Ocean Ballroom
3:00 PM - 3:30 PM	Networking Break	Atlantic Ballroom
3:30 PM - 5:00 PM	General Session VIII	Ocean Ballroom
5:30 PM - 6:30 PM	Reception & Silent Auction	Atlantic Ballroom Foyer
6:30 PM - 8:30 PM	Awards Banquet	Atlantic Ballroom
8:30 PM - 10:00 PM	FMCA 100 Year Reception	Event Lawn

Thursday, November 17

8:00 AM - 5:00 PM	Registration	Ocean Ballroom Foyer
8:00 AM - 10:00 AM	General Session IX	Ocean Ballroom
10:00 AM - 10:30 AM	Networking Break	Ocean Ballroom Foyer
10:00 AM - 12:00 PM	FMCA Board Meeting	Hammock Board Room
10:30 AM - 12:00 PM	General Session X	Ocean Ballroom

General Session I | Moderator: Chris Lesser

8:00 AM - 8:05 AM	Call to Order & Announcements Chris Lesser, FMCA President
8:05 AM - 8:25 AM	Presidential Address Chris Lesser, FMCA President
8:25 AM - 8:55 AM	Keynote Address: A Century of Waging War on the Mosquito Menace: The Florida Mosquito Control Association at 100 Gordan Patterson, Professor, Florida Tech
8:55 AM - 9:10 AM	AMCA Update Robert Cartner, AMCA South Atlantic Representative
9:10 AM - 9:20 AM	Special District Accountability Legislation Chris Lyon, Legislative Liaison
9:20 AM - 9:35 AM	Wing Beats Update Dennis Moore, Editor-In-Chief
9:35 AM - 9:45 AM	FL Department of Agriculture & Consumer Services 2022 Update Marah Clark, FL Department of Agriculture & Consumer Services
9:45 AM - 10:00 AM	Web GIS – How a Single Source of Information Benefits Your Organization Chad Minteer, Frontier Precision

General Session II | Moderator: Mark Latham

10:30 AM - 10:45 AM	Impact of § 934.50 Florida Statute and associated legislation on mosquito control drone operations Patrick Linn, Keira Lucas, Peter Brake, Collier Mosquito Control District
10:45 AM - 10:55 AM	Brevard County Mosquito Control District's Emerging UAS (Drone) Program Joseph Faella, Brevard County Mosquito Control
10:55 AM - 11:10 AM	Evaluation of a novel macrocyclic lactone-based adulticide to target pyrethroid resistant mosquito species in Collier County Keira J Lucas, Rebecca Heinig, Rachel B Bales, Nate Phillips, Richard Ryan, Collier Mosquito Control District
11:10 AM - 11:25 AM	Evaluating the efficacy of Metalarv S-PT as a pre-flood treatment against salt marsh species <i>Aedes taeniorhynchus</i> Beth Kovach, Charlotte County Mosquito & Aquatic Weed Control
11:25 AM - 11:35 AM	Updates and improvements to caged mosquito field trials Madeleine Schmitz, Kattie Morris, Andrew Rivera, Clarke Mosquito Control
11:35 AM - 11:45 AM	Evaluation systems for spatial repellents against ticks Dr. Muhammad Farooq, Anastasia Mosquito Control District
11:45 AM - 12:00 PM	Field evaluation of autocidal gravid ovitraps and sirenix traps against container mosquitoes in Saint Augustine, Northeastern Florida Dena Autry, Anastasia Mosquito Control District

General Session III | Moderator: Casey Crockett

1:30 PM - 1:45 PM	Impacts of differential mosquito control treatment regimens on insecticide susceptibility status of <i>Aedes aegypti</i> (Diptera: <i>Culicidae</i>) Casey Crockett, ADAPCO & Red River Specialties
1:45 PM - 2:00 PM	Statewide <i>Ae. aegypti</i> , <i>Ae. albopictus</i> , and <i>Cx. quinquefasciatus</i> adult insecticide resistance findings Eva Buckner, UF IFAS Florida Medical Entomology Laboratory
2:00 PM - 2:15 PM	Trials, Tears and Tenacity: Why Valent BioSciences Spent 10 Years Developing ReMoa Tri Chris Byrne, Beth Ranson, Valent BioSciences
2:15 PM - 2:30 PM	Semi-field comparison of OmniPrene™ G and Altosid® Pellets with DR- tech for the control of susceptible <i>Aedes aegypti</i> larvae in Manatee County Samantha Ramirez, Manatee County Mosquito Control District
2:30 PM - 2:45 PM	Determining insecticide resistance mechanisms and efficacy of formulated pesticides on a population of <i>Culex quinquefasciatus</i> collected from Louisiana Neil Sanscrainte, USDA ARS Center for Medical, Agricultural & Veterinary Entomology
2:45 PM - 3:00 PM	Relating laboratory insectic resistance assays to field interventions Alden Estep, USDA ARS Center for Medical, Agricultural & Veterinary Entomology

Tuesday, November 15, 2022

General Session IV | Moderator: Katie Williams

3:30 PM - 3:45 PM	Evaluating BG-Counter performance in surveilling Collier County's diverse mosquito populations Atom Rosales, Collier Mosquito Control District
3:45 PM - 4:00 PM	Will history repeat itself? Could <i>Aedes aegypti</i> be re-displaced by <i>Aedes albopictus</i> from the re-established area in the City of Gainesville, Florida?" Peter Jiang, City Gainesville Mosquito Control Services
4:00 PM - 4:15 PM	Why is Dengue so important? A clinical and epidemiological overview Erika Lopatynsky, Takeda Pharmaceutical USA, Inc.
4:15 PM- 4:25 PM	Sentinel Chicken Program in Polk County Hugo Ortiz, Polk County Parks & Natural Resource, Mosquito Control
4:25 PM - 4:35 PM	Love for Sentinels in the time of Bird Flu: A Romantic Journey of one District's Biosecurity Update Max Dersch, Manatee County Mosquito Control District
4:35 PM - 4:50 PM	Environmental factors influencing West Nile virus transmission in Florida Estelle M. Martin, Brendel, L.A., S.A. Allan, L.P. Campbell, P.G. Hahn, A.C. Hodges, University of Florida Entomology & Nematology
4:50 PM - 5:00 PM	Anastasia Mosquito Control District's Surveillance Trapping Program Steven T. Smoleroff, Anastasia Mosquito Control District

Wednesday, November 16, 2022

General Session V | Moderator: Samantha Ramirez

8:00 AM- 8:10 AM	Aging field-collected <i>Aedes aegypti</i> from the Florida Keys Catherine A. Pruszyński, Florida Keys Mosquito Control District
8:10 AM - 8:25 AM	Adaptation, Evolution, and Innovation: The Dodd Short Courses Shelley Whitehead, Whitehead Entomology Consulting, LLC
8:25 AM - 8:40 AM	New Calibration Calculators and Swath Characterization Cloud Applications Leanne Lake, Valent BioSciences
8:40 AM - 8:55 AM	Field flight activity of mosquitoes and <i>Culicoides</i> biting midges Vilma Montenegro Castro, UF IFAS Florida Medical Entomology Laboratory
8:55 AM - 9:10 AM	Potential transmission of <i>Francisella tularensis</i> between raptors by louse flies (Diptera: <i>Hippoboscidae</i>) Morgan Rockwell, Travis E. Wilcoxen, Jane Seitz, Jacques Nuzzo, UF IFAS Florida Medical Entomology Laboratory
9:10 AM - 9:25 AM	Host associations of <i>Triatoma sanguisuga</i> in Florida (Hemiptera: <i>Reduviidae</i>) Nathan Burkett-Cadena, Chan Bhosale, Samantha Wisely, Tanise Stenn, Norman Beatty, UF IFAS Florida Medical Entomology Laboratory
9:25 AM - 9:40 AM	Helicopters and Hymenoptera: Methods for monitoring non-target effects of aerial adulticides on local pollinators in Manatee County Jacob Hart, Manatee Mosquito Control District
9:40 AM - 9:50 AM	Establishing evidence-based action thresholds for <i>Aedes</i> , <i>Culex</i> , and <i>Anopheles</i> mosquito abundance in different operational environments Dr. Vindhya Aryaprema, Anastasia Mosquito Control District
9:50 AM- 10:00 AM	Leveraging robotics and AI for automated sex sorting, identification, and pooling Patrick Keoughn, Hanan Lepek, Senecio Robotics

General Session VI | Moderator: Mike Riles

10:30 AM - 10:45 AM	A Checklist of the Mosquitoes of Florida Mike Riles, Central Life Sciences, Roxanne Connelly CDC
10:45 AM - 11:00 AM	Surveillance Trap Composition Across Brevard County Bridget Coff, Maxwell Reynolds, Brevard County Mosquito Control
11:00 AM - 11:15 AM	Does prior exposure to Dengue influence insecticide sensitivity? Robert Idrige, USDA ARS Center for Medical, Agricultural & Veterinary Entomology
11:15 AM - 11:30 AM	Rapid detection of arboviruses directly from mosquito saliva Dongmin Kim, UF IFAS Florida Medical Entomology Laboratory
11:30 AM - 12:00 PM	FMCA Business Meeting: Bylaws, Financial Statement & Election Chris Lesser, FMCA President

General Session VII | Moderator: Andrea Leal

1:30 PM - 1:40 PM	FKMCD-Oxitec Project Update Andrea Leal, Florida Keys Mosquito Control District
1:40 PM - 1:52 PM	Student Competition: Host associations of biting midges (Diptera: Ceratopogonidae: <i>Culicoides</i>) near sentinel chicken surveillance locations in Florida Kristin E. Sloyer, Nathan Burkett-Cadena, UF IFAS Florida Medical Entomology Laboratory
1:52 PM - 2:04 PM	Student Competition: Evaluation of silver nanoparticle as a control tool against adult mosquito vectors Kai Blore, UF IFAS Florida Medical Entomology Laboratory
2:04 PM - 2:16 PM	Student Competition: Environmental factors influencing <i>Aedes</i> container species distribution in Saint Johns County Kassidy Caride, Florida State University
2:16 PM - 2:28 PM	Student Competition: Extrinsic incubation temperature impacts on infection and transmission of Mayaro virus in <i>Aedes aegypti</i> from Florida Abdullah A. Alomar, Barry Alto, UF IFAS Florida Medical Entomology Laboratory
2:28 PM - 2:45 PM	Creating a Good Laboratory Practice Program at Anastasia Mosquito Control District Whitney Qualls, Anastasia Mosquito Control District
2:45 PM - 3:00 PM	Optimizing predictive modeling of West Nile virus vector <i>Culex nigripalpus</i> using climate and mosquito surveillance data Robert Straser, Keira Lucas, Rebecca Heinig, Collier County Mosquito Control District

General Session VIII | Moderator: Keira Lucas

3:30 PM - 3:45 PM	West Nile Virus Surveillance in Sentinel Chickens and Mosquitoes in Panama City Beach, from 2014-2020 Bryan V. Giordano, Broward County Mosquito Control, Mike T. Riles, Dale Martin, Cindy Mulla, Lee Duke, Edward Summers, James Clauson, Lindsey P., Beach Mosquito Control District
3:45 PM - 4:00 PM	Gone Fishin': The Evolution of the mosquito fish program of Collier Mosquito Control District Rachel Bales, Atom Rosales, Jesse DeBella, Robin King, Keira Lucas, Rebecca Heinig, Collier County Mosquito Control
4:00 PM - 4:15 PM	Operations In Citrus County - Taking A More Proactive Approach Shiela Young, Citrus County Mosquito Control District
4:15 PM - 4:30 PM	Improvements to ULV Truck Applications in the Florida Keys: Moving from Gas to Electric Mikki J Coss, Florida Keys Mosquito Control District
4:30 PM - 4:45 PM	Development of a <i>Mansonia</i> control program at Collier Mosquito Control District Rebecca Heinig, Rachel Bales, Peter Brake, Andrew Weiss, Jesse DeBella, Keira Lucas, Collier County Mosquito Control District
4:45 PM - 5:00 PM	Survey for Tire-inhabiting Mosquito Larvae (Diptera: <i>Culicidae</i>) from Tire Shops in Polk County, Florida Jackson Mosley, Polk County Parks & Natural Resources Mosquito Control

Thursday, November 17, 2022

Session IX | Moderator: Jillian Meek

8:00 AM - 8:15 AM	Undoing the creation of doubt and undermining on social media Jillian Meek, Pasco County Mosquito Control District
8:15 AM - 8:30 AM	Partnering to control <i>Aedes aegypti</i> populations: Building relationships with the public to change behaviors and to protect public health Mikki J Coss, Florida Keys Mosquito Control District
8:30 AM - 8:45 AM	CMCD's boundary expansion: Two crazy years of politics, activists, and outreach Robin King, Collier Mosquito Control District
8:45 AM - 9:00 AM	Creating a School Education Program as a Non-Educator Andrea McKinney, Collier Mosquito Control District
9:00 AM - 9:15 AM	Legend of Bromeliads Nicole Graves, East Flagler Mosquito Control District
9:15 AM - 9:30 AM	Fighting the bite in Miami-Dade County: The use of community-based mosquito surveillance programs to facilitate infestation, genetic, and sense of community research Helen Wagner Coello, Florida International University
9:30 AM - 9:45 AM	Exploring the importance of 'Partnerships' in effective P.R. Strategy Chad Huff, Florida Keys Mosquito Control District
9:45 AM - 10:00 AM	Don't Worry, Bee Happy: Maintaining Beehives at Citrus County Mosquito Control Tarolyn Frisbie, Citrus County Mosquito Control District

General Session X | Moderator: Marah Clark

10:30 AM - 10:45 AM	Impoundment Management: A Method of Source Reduction Sherry Burroughs, Indian River Mosquito Control District
10:45 AM - 11:00 AM	Mobile insectaries: mosquitoes "on the go" Victoria Hyrczyk, Clarke Mosquito Control
11:00 AM - 11:15 AM	Controlling Saltmarsh Mosquitoes...Outside of the Salt Marsh Sarah McInnis, Indian River Mosquito Control District
11:15 AM - 11:30 AM	Evaluation of larval control strategies targeting <i>Coquillettidia perturbans</i> in Pasco County Agne Prasauskas, Pasco County Mosquito Control District
11:30 AM - 11:45 AM	Mosquito Control Impoundments: An Unlikely Seagrass Hero? Jonathan Linder, Brevard County Mosquito Control
11:45 AM - 12:00 PM	To fly or not to fly: an in-depth look at Florida mosquito control aerial capabilities Dr. Steven T. Peper, Anastasia Mosquito Control District