

Monday, February 12, 2018

8:30 a.m. **NCMVCA Board Meeting**
(NCMVCA Board Members Only)

10:05 a.m. **MAMCA Board Meeting**
(MAMCA Board Members Only)

12:00 p.m.—1:00 p.m. **Onsite Registration**

First session (Moderator - Dr. Brian Byrd)

1:00 p.m. **Welcome & Opening Remarks**
-Tim Dubois (MAMCA President)
-Dr. Michael Reiskind (NCMVCA President)

1:10 p.m. **Updates from the Northeast Regional Center for Excellence in Vector Borne Diseases**
-Dr. Laura Harrington

1:30 p.m. **Reproductive biology and behavior of *Aedes*: Potential targets for next generation control strategies.**
-Dr. Laura Harrington

1:50 p.m. **Global climate change and what history tells us about the risk of new pathogens being introduced into the United States**
-Dr. Mike Turell

2:30 p.m. **Ecology of urban mosquitoes along socio-economic gradients: Interesting insights from Baltimore, Maryland**
-Dr. Paul Leisnham

2:45 p.m.—3:15 p.m. **Break** (Visit Sustaining Members)

Second session (Moderator - Dr. Michael Reiskind)

3:15 p.m. **Oh, the places you'll go and the mosquitoes you'll know**
-Dr. Brian Byrd

3:30 p.m. **NC mosquito control programs**
-Michael Doyle

3:45 p.m. **Tracking the spread of *Ae. albopictus* in a county**
-Tom Smith

4:00 p.m. **1, 2, 3 Sustaining Member Presentations**

4:15 p.m. **Public Education in Maryland**
-Jeannine Dorothy

4:30 p.m. **The ecology of dog heartworm disease**
-Meredith Spence Beaulieu *first place winner

4:45 p.m. **Coordinating a centralized arbovirus surveillance program in South Carolina**
-Robert Cartner

Monday, February 12, 2018 (cont.)

5:00 p.m. **4, 5, 6, 7 Sustaining Member Presentations**

5:20 p.m. **Adjourn**

6:30 p.m.—7:30 p.m. **"Biting Times Social"**
(All Attendees)

Tuesday February 13, 2018

7:00 a.m. **Registration and Light Breakfast**

Third session (Moderator - James Joachimowski)

8:00 a.m. **An update on the status of the invasive mosquito, *Aedes j. japonicus*, in North America**
-Mike Hutchinson

8:15 a.m. **Drones in mosquito control**
-Matt Du Pont

8:30 a.m. **Investigating the diversity of arboviruses and mosquitoes at the Nashville Zoo at Grassmere**
-Thomas Moore

8:45 a.m. **Understanding *Aedes* presence, abundance, and phenology with geography and climate: Results from the 2016 North Carolina mosquito survey**
-Emily Reed

9:00 a.m. **Update on North Carolina bee registry**
-Dwight Seal

9:15 a.m. **8, 9, 10, 11 Sustaining Member Presentations**

9:35 a.m. **NC Tick Surveillance**
-Dr. Alexis Barbarin

9:50 a.m. **Attempts to understand the range expansion of *Amblyomma maculatum***
-Dr. Rebecca Trout-Fryxell

10:05 a.m.—10:35 a.m. **Break** (Visit Sustaining Members)

Fourth session (Moderator - Eric Dotseth)

10:35 a.m. **Tick-borne diseases in Virginia**
-Dr. David Gaines

10:50 a.m. **Impact of the insect growth regulator pyriproxyfen on life table characteristics of *Aedes albopictus***
-Megan Rhyne

11:05 a.m. ***Culex coronator* distribution**
-Marie Hemmen

11:20 a.m. **12, 13 Sustaining Member Presentations**

11:30 a.m.—12:10 p.m. **Break** (Luncheon Room Setup)
(Visit Sustaining Members)

12:10 p.m.—1:40 p.m. **Luncheon and Awards** (All attendees)
1:40 p.m.—2:15 p.m. **Break** (Visit Sustaining Members)

Tuesday February 13, 2018 (cont.)

Fifth session (Moderator - Kyle Brinson)

2:15 p.m. **AMCA Update**

-Joe Conlon

2:30 p.m. **Could viral co-infection of mosquitoes impact vector control?**
-Avian White

2:45 p.m. **Mosquito Authority: An update on current and future research and development goals and needs**
-Dr. Craig Stoops

3:00 p.m. **Effectiveness of pyrethroid barrier treatment insecticides on *Aedes albopictus***
-Ben McMillan *runner up winner

3:15 p.m. **Impact of insecticide exposure on vector competence for Zika virus**
-Heidi Knecht

3:30 p.m. **The efficacy of homemade mosquito repellents on *Aedes albopictus***
-James Carver

3:45 p.m. **Repellent response in La Crosse-infected mosquitoes**
-Kevin Chan

4:00 p.m.—4:20 pm **Break** (Visit Sustaining Members)

Sixth session (Moderator - Dr. Abelardo Moncayo)

4:20 p.m. **Diapause in La Crosse virus vectors**
-Jake Bova

4:35 p.m. **14, 15, 16 Sustaining Member Presentations**

4:50 p.m. **Relative abundance of mosquito populations and arboviral surveillance in southwestern Virginia**
-Joshua Bernick

5:05 p.m. **Serologic response in Alpacas during a public health response to a rabid Alpaca in SC**
-Travis Shealy

5:35 p.m. **Adjourn** (Dinner On Your Own)

Wednesday, February 14, 2018

7:00 a.m.—8:00 a.m. **Breakfast Buffet**

Seventh session (Moderator - Joe Andrews)

8:00 a.m. **Mosquito University and mosquito grants in Tennessee**
-Dr. Abelardo Moncayo

8:15 a.m. **Georgia's response to arboviruses: The vector surveillance program and increased statewide mosquito surveillance**
-Dr. Thuy-Vi Nguyen

Wednesday, February 14, 2018 (cont.)

8:30 a.m. **Spread of Lyme disease into NC from VA: Tick survey along the VA/NC border**
-Jimmie Teague

8:45 a.m. **Attraction of gravid sand flies to conspecific materials**
-Danielle Kowacich *runner up winner

9:00 a.m. **Circadian rhythm of oviposition behavior of sand flies**
-Lindsey Faw and Nima Hajhashemi

9:15 a.m. **Rat control program in Tennessee**
-Ture Carlson

9:30 a.m. **Detection of West Nile virus in *Culex* mosquitoes in Wayne County, North Carolina**
-Ivan Vargas

9:45 a.m.—10:15 a.m. **Break** (Hotel Check Out)

Eighth session (Moderator - Tom Smith)

10:15 a.m. **MAMCA Member State Presentations** (5 minutes each)

Delaware - James Joachimowski

Georgia - Dr. Thuy-Vi Nguyen

Maryland - Kyle Brinson

North Carolina - Joe Andrews

Pennsylvania - Andy Kyle

South Carolina - Travis Shealy

Tennessee - Ture Carlson

Virginia - Ann Herring

West Virginia - Eric Dotseth

11:00 a.m. **NCMVCA Business Meeting, Elections**

MAMCA Business Meeting, Elections

Door Prizes

(All Attendees)

12:15 p.m. **Adjourn**

***Student Scholarship Award**

Thanks to our judges

Dr. Paul Leisnham and Dr. Rebecca Trout-Fryxell.

Cover art by Charlie Sither.

Thanks for your participation!

Presenters

Joe Andrews, AllPro Vector Group, Cameron, NC,
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Sustaining Members for MAMCA and NCMVCA

Adapco, Inc.

AllPro Vector Group

American Vector Control Laboratory
Atlantic Paste and Glue- Catchmaster

AMVAC Environmental Products

Bayer Environmental Science

Central Life Sciences

Clarke Mosquito Control Products, Inc.

Duke Energy Carolinas

FMC Corporation

Frontier Precision, Inc.

Leading Edge Associates, Inc.

Mosquito Authority

Slingshot

Summit Chemical Company

Target Specialty Products

Univar USA, Inc.

Valent Biosciences Corp.

Vector Disease Control International

MAMCA Officers

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Dr. Stephanie Richards - Vice President

Tom Smith - Vice President-Elect

Andy Kyle - Secretary-Treasurer

Dr. Abelardo Moncayo - Past President

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Dr. Stephanie Richards - Vice President

Mark Phelps - Secretary-Treasurer

Jim Gardner - Past President

NCMVCA Board of Directors

Joe Andrews

Michael Doyle

Joe Strickhouser

Parker Whitt

Abram Young

Continuing Education Credits

Check with MAMCA state representatives for CEUs. In NC, the program is approved for 11.25 hrs for REHS CEUs (#18000) and 8 hrs for NC DA&CS CEUs in pesticide categories B/N/D/X (2/12: 2.5 hrs, 517006; 2/13: 4 hrs, 517007; 2/14: 1.5 hrs, 517008). Please complete the CEU rosters daily (at registration desk) to receive credit. Contact Stephanie Richards (richardss@ecu.edu) for more information.

43rd Annual Meeting Mid-Atlantic Mosquito Control Association



52nd Annual Meeting North Carolina Mosquito and Vector Control Association

February 12—14, 2018
Courtyard Marriott
Carolina Beach, North Carolina