

Monday, February 12, 2018

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

10:00 a.m. **MAMCA Board Meeting**
(MAMCA Board Members Only)

11:30 a.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. **Patterns and consequences of mosquito diversity**
-Dr. Mike Reiskind

2:45 p.m.—3:15 p.m. **Break** (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 and 2 Sustaining Member Presentations**

4:10 p.m. **Public Education in Maryland**
-Jeannine Dorothy

4:25 p.m. **Dog heartworm and mosquito diversity**
-Meredith Spence

4:40 p.m. **Coordinating a centralized arbovirus surveillance program in SC**
-Robert Cartner

Monday, February 12, 2018 (cont.)

4:55 p.m. **3, 4, 5 Sustaining Member Presentations**

5:10 p.m. **AMCA Update**
-Dennis Salmen

5:25 p.m. **6 and 7 Sustaining Member Presentations**

5:35 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. ***Culex coronator* distribution**
-Marie Hemmen

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

8:30 a.m. ***Toxorhynchites rutilus*: Novel insights into the subgeneric status of *T.r. rutilus* and *T.r. septentrionalis***
-Cory Day

8:45 a.m. ***Ae. albopictus* population genomics**
-Emily Reed

9:00 a.m. **Rock pool mosquito ecology in southern Appalachia**
-Charlie Sither

9:15 a.m. **An update on the status of the invasive mosquito, *Aedes j. japonicus*, in North America**
-Mike Hutchinson

9:30 a.m. **8 and 9 Sustaining Member Presentations**

9:40 a.m. **Update on NC bee registry**
-Dwight Seal

9:55 a.m.—10:25 a.m. **Break** (Sustaining Members)

Fourth session (Moderator - Eric Dotseth)

10:25 a.m. **Impact of the insect growth regulator pyriproxyfen on life table characteristics of *Aedes albopictus***
-Megan Rhyne

10:40 a.m. **NC Tick Surveillance**
-Dr. Alexis Barbarin

10:55 a.m. **Attempts to understand the range expansion of *Amblyomma maculatum***
-Dr. Rebecca Trout-Fryxell

11:10 a.m. **10 and 11 Sustaining Member Presentations**

11:20 a.m. **Tick-borne diseases in VA**
-Dr. David Gaines

Tuesday February 13, 2018 (cont.)

11:40 a.m.—12:20 p.m. **Break** (Luncheon Room Setup)

12:20 p.m.—2:00 p.m. **Luncheon and Awards** (All attendees)

2:00 p.m.—2:40 p.m. **Break** (Sustaining Members)

Fifth session (Moderator - Kyle Brinson)

2:40 p.m. **Impact of Espirito Santo virus on dengue virus replication**
-Avian White

2:55 p.m. **Mosquito Authority: An update on current and future research and development goals and needs**
-Dr. Craig Stoops

3:10 p.m. **Effectiveness of pyrethroid barrier treatment insecticides on *Aedes albopictus***
-Ben McMillan

3:25 p.m. **Impact of insecticide exposure on vector competence for Zika virus**
-Heidi Knecht

3:40 p.m. **The efficacy of homemade mosquito repellents on *Aedes albopictus***
-James Carver

3:55 p.m. **Repellent response in La Crosse-infected mosquitoes**
-Kevin Chan

4:10 p.m.—4:40 pm **Break** (Sustaining Members)

Sixth session (Moderator - Dr. Abelardo Moncayo)

4:40 p.m. **Diapause in La Crosse virus vectors**
-Jake Bova

4:55 p.m. **Trapping efficacy of a 3D printed trap for host-seeking and gravid mosquitoes**
-Joshua Bernick

5:10 p.m. **Serologic response in Alpacas during a public health response to a rabid Alpaca in SC**
-Travis Shealy

5:40 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. **Does larval conditioning enhance attraction of sand flies to rearing medium?**
-Matt Miller

9:00 a.m. **Attraction of gravid sand flies to conspecific materials**
-Dannielle Kowacich

9:15 a.m. **Circadian rhythm of oviposition behavior of sand flies**
-Lindsey Faw and Nima Hajhashemi

9:30 a.m. **Rat control program in Tennessee**
-Ture Carlson

9:45 a.m. **Detection of West Nile virus in *Culex* mosquitoes in Wayne County, North Carolina**
-Ivan Vargas

10:00 a.m.—10:30 a.m. **Break** (Hotel Check Out)

Eighth session (Moderator - Tom Smith)

10:30 a.m. **MAMCA Member State Presentations** (5 minutes each)

Delaware - James Joachimowski

Georgia - Dr. Rosmarie Kelly

Maryland - Kyle Brinson

North Carolina - Joe Andrews

Pennsylvania - Christian Boyer

South Carolina - Travis Shealy

Tennessee - Ture Carlson

Virginia - Ann Herring

West Virginia - Eric Dotseth

11:15 a.m. **NCMVCA Business Meeting, Elections**
MAMCA Business Meeting, Elections
Door Prizes
(All Attendees)

12:25 p.m. **Adjourn**

***Student Scholarship Award**
Thanks to our judges: X and X

Thanks for your participation!

Presenters

Joe Andrews, AllPro Vector Group, Cameron, NC,
joea@allprovector.com

Dr. Alexis Barbarin, NC Dept. of Health and Human Services,
Raleigh, NC, alexis.barbarin@dhhs.nc.gov

Joshua Bernick, VA Tech, Blacksburg, VA, joshua91@vt.edu

Kyle Brinson, Maryland Dept. of Agriculture, Salisbury, MD,
kyle.brinson@maryland.gov

Jake Bova, VA Tech, Blacksburg, VA, jbova86@vt.edu

Christian Boyer, PA Dept. of Environmental Protection,
Harrisburg, PA, chrboyer@pa.gov

Dr. Brian Byrd, Western Carolina University, Cullowhee, NC,
bdbyrd@wcu.edu

Ture Carlson, Shelby County Health Dept., Memphis, TN,
ture.carlson@shelbycountytg.gov

Robert Cartner, SC DHEC, Columbia, SC, cartnerl@dhec.sc.gov

James Carver, VA Tech, Blacksburg, VA, jcarver4@vt.edu

Kevin Chan, VA Tech, Blacksburg, VA, kchan90@vt.edu

Cory Day, Western Carolina University, Cullowhee, NC,
caday2@catamount.wcu.edu

Jeannine Dorothy, MD Dept. of Agriculture, Riverdale, MD,
jeannine.dorothy@maryland.gov

Eric Dotseth, WV Dept. of Health & Human Resources, South
Charleston, WV, eric.j.dotseth@wv.gov

Michael Doyle, NC Dept. of Health and Human Services,
Raleigh, NC, Michael.doyle@dhhs.nc.gov

Tim DuBois, City of Hampton, Hampton, VA,
tdubois@hampton.gov

Matt DuPont, Brunswick County Mosquito Control, Bolivia, NC,
mathew.dupont@brunswickcountync.gov

Lindsey Faw, UNCG, Greensboro, NC, lrfaw@uncg.edu

Dr. David Gaines, Virginia Dept. of Health, Richmond, VA,
david.gaines@vdh.virginia.gov

Nima Hajhashemi, UNCG, Greensboro, NC, n_hajhas@uncg.edu

Dr. Laura Harrington, Cornell University, Ithaca, NY,
lch27@cornell.edu

Marie Hemmen, New Hanover Environmental Health,
Wilmington, NC, mhemmen@nhcgov.com

Ann Herring, Suffolk Mosquito Control, Suffolk, VA,
mherring@suffolkva.us

Mike Hutchinson, PA Dept. of Environmental Protection, York,
PA, mhutchinso@pa.gov

James Joachimowski, DE Division of Fish and Wildlife, Milford,
DE, james.joachimowski@state.de.us

Dr. Rosmarie Kelly, GA Dept. of Health, Atlanta, GA,
rosmarie.kelly@dph.ga.gov

Heidi Knecht, East Carolina University, Greenville, NC,
knechth16@students.ecu.edu

Danielle Kowacich, UNCG, Greensboro, NC,
djkwaci@uncg.edu

Ben McMillan, VA Tech, Blacksburg, VA, benm93@vt.edu

Matt Miller, UNCG, Greensboro, NC, mrmille6@uncg.edu

Dr. Abelardo Moncayo, TN Dept. of Health, Nashville, TN,
abelardo.moncayo@tn.gov

Dr. Thuy-Vi Nguyen, GA Dept. of Health, Atlanta, GA,
thuy-vithi.nguyen@dph.ga.gov

Emily Reed, NC State University, Raleigh, NC,
emreed@ncsu.edu

Dr. Michael Reiskind, NC State University, Raleigh, NC,
mhreiski@ncsu.edu

Megan Rhyne, East Carolina University, Greenville, NC,
rhynem12@students.ecu.edu

Dennis Salmen, AMCA Regional Director, Charlotte, NC,
dennis_salmen@yahoo.com

Dwight Seal, NC DA&CS Pest Control and Pesticides
Division, Raleigh, NC, dwight.seal@ncagr.gov

Travis Shealy, SC DHEC, Columbia, SC,
shealytl@dhec.sc.gov

Charles Sither, Western Carolina University, Cullowhee,
NC, cbsither@gmail.com

Tom Smith, Penn State Ext., York, PA, tls35@psu.edu

Meredith Spence, NC State University, Raleigh, NC,
mrspence@ncsu.edu

Dr. Craig Stoops, Mosquito Authority, Jacksonville, FL,
crgstps@gmail.com

Jimmie Teague, UNC Greensboro, Greensboro, NC,
jlteague@uncg.edu

Dr. Rebecca Trout-Fryxell, University of TN, Knoxville, TN,
rfryxell@utk.edu

Dr. Mike Turell, VectorID LLC, Frederick, MD,
mturell@erols.com

Ivan Vargas, University of Mt. Olive, Mt. Olive, NC,
jiv1669@moc.edu

Avian White, East Carolina University, Greenville, NC,
whiteav15@ecu.edu

Sustaining Members for MAMCA and NCMVCA

Adapco, Inc.

AllPro Vector Group

AMVAC Environmental Products

Bayer Environmental Science

Central Life Sciences

Clarke Mosquito Control Products, Inc.

Crabbe Aviation, LLC

Duke Energy Carolinas

Dynamic Aviation Group, Inc.

Frontier Precision, Inc.

Leading Edge Associates, Inc.
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Mosquito Authority

Summit Chemical Company

Syngenta

Univar USA, Inc.

Valent Biosciences Corp.

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Tom Smith - Vice President-Elect

Andy Kyle - Secretary-Treasurer

Dr. Abelardo Moncayo - Past President

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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 continuing education credits. In NC, the program is approved for X hrs for REHS continuing education (#) and 8 hrs for NC DA&CS continuing education 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.](#)

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