

## Tuesday, January 26, 2021

*Presiding: Charles Abadam*

- 8:30 AM **Go-To Overview and Instructions**  
Charles Abadam | cabadam@suffolkva.us  
*City of Suffolk Department of Public Works*
- 8:35 AM **Introduction and Welcome**  
Andy Lima | andrew.lima@fairfaxcounty.gov  
*Fairfax County Health Department*
- 8:40 AM **Virginia Arboviral Surveillance 2020**  
Dr. David Gaines | david.gaines@vdh.virginia.gov  
*Virginia Department of Health*
- 9:10 AM **The Culex Keep Coming**  
Karen Akaratovic | kakaratovic@suffolkva.us  
*City of Suffolk Department of Public Works*
- 9:20 AM **ODU Tick Team Update 2020: Collecting Ticks in a Pandemic**  
Christina Espada | cespa001@odu.edu  
*Old Dominion University*
- 9:35 AM **Let's Get Social**  
Jay Kiser | jkiser@suffolkva.us  
*City of Suffolk Department of Public Works*
- 9:40 AM **Sustaining Member Presentation**  
*Clarke*
- 9:45 AM **Sustaining Member Presentation**  
*Co-Diagnostics*
- 9:50 AM **And now for something new ...**  
John Orr | john.orr2@fairfaxcounty.gov  
*Fairfax County Health Department*
- 10:00 AM **Break**

## Tuesday, January 26, 2021

*Presiding: Jay Kiser*

- 10:10 AM **VDACS Update**  
Robert Christian  
robert.christian@vdacs.virginia.gov
- 10:40 AM **Developing a Toxic Sugar Bait to Target *Aedes j. japonicus***  
Lauren Fryzlewicz | laurf15@vt.edu  
*Virginia Tech - Biochemistry Department*
- 10:50 AM **Watching Ticks: Lessons Learned from Freshman Tick Observation Labs**  
Kendall Vaughan | kendallvaughan3@gmail.com  
*Old Dominion University*
- 11:05 AM **Sustaining Member Presentation**  
*Adapco*
- 11:10 AM **Sustaining Member Presentation**  
*Bayer*
- 11:15 AM **Sustaining Member Presentation**  
*Central Life Sciences*
- 11:20 AM **Muscarinic-Selective Target-Site Synergism as a New Mosquito Control Strategy**  
Na Xie | xnana18@vt.edu  
*Virginia Tech*  
*Student Poster Competition Winner*
- 11:40 AM **Update on Off-Season Larval Surveillance**  
Carla Caulkins | ccaulkins@cityofchesapeake.net  
*Chesapeake Mosquito Control Commission*
- 11:55 AM **Kissing Bugs in Virginia**  
Dr. David Gaines | david.gaines@vdh.virginia.gov  
*Virginia Department of Health*
- 12:15 PM **Field Work and Hunting**  
Janice Pulver | Janice.pulver@yorkcounty.gov  
*York County Mosquito Control*
- 12:30 PM **Adjourn**

## Wednesday, January 27, 2021

*Presiding: Tim DuBois*

- 8:30 AM **Brief Overview and Instructions**  
Tim DuBois | duboist@portsmouthva.gov  
*City of Portsmouth Mosquito Control*
- 8:35 AM **Issues with the Control During Resistance Testing**  
Katherine Reutt | kreutt@cityofchesapeake.net  
*Chesapeake Mosquito Control Commission*
- 8:45 AM **LaCrosse Encephalitis**  
Dr. Brian Byrd | bdbyrdd@email.wcu.edu  
*Western Carolina University*
- 9:05 AM **WNV Observations**  
Randy Buchanan | buc06@henrico.us  
*Henrico County Public Works*
- 9:15 AM **West Nile Virus in Maryland**  
Brian Prendergast  
brian.prendergast@maryland.gov  
*Maryland Department of Agriculture*
- 9:30 AM **Exploring Socio-Ecological Mechanisms that Influence Mosquito-Borne Disease Vulnerability**  
Ryan Levering | lev004@henrico.us  
*Henrico Public Works*
- 9:40 AM **Sustaining Member Presentation**  
*Veseris*
- 9:45 AM **Sustaining Member Presentation**  
*Valent Biosciences Inc.*
- 9:50 AM **Aerial Applications in Beaufort, SC**  
Robert Cartner | rcartner@bcgov.net  
*Beaufort County Mosquito Control*
- 10:10 AM **NEVBD Applied Research: Tackling Vector-Borne Disease Threats in the Northeast US**  
Laura Harrington | lch27@cornell.edu  
*Cornell University, Northeast Regional Center for Excellence in Vector-Borne Disease*
- 10:30 AM **Break**

## Wednesday, January 27, 2021

*Presiding: Betsy Hodson*

- 10:40 AM **Mosquitoes and Goldenrod: An All-Natural Mosquito Control Method**  
Forde Upshur | uforde96@vt.edu  
*Virginia Tech*
- 10:55 AM **Entomopathogenic Fungus**  
TJ Carner | terrell.carner@yorkcounty.gov  
*York County Mosquito Control*
- 11:10 AM **Automation of Biting Back Against Aedes: Save Time and Nurture Community-Level Interventions**  
Levy Sun | lsun@sgvmosquito.org  
*San Gabriel Valley Mosquito & Vector Control*
- 11:20 AM **Ada Eez : Creating the Perfect Villain**  
Pablo Cabrera | pcabrera@sgvmosquito.org  
*San Gabriel Valley Mosquito & Vector Control*
- 11:30 AM **Sustaining Member Presentation**  
*Morrell Instruments*
- 11:35 AM **Sustaining Member Presentation**  
*Summit Chemical*
- 11:40 AM **Sustaining Member Presentation**  
*Target Specialty Group*
- 11:45 AM **Virtual Science Kits for Invasive Aedes**  
Heather Hyland | hhyland@ocvector.org  
*Orange County Mosquito & Vector Control*
- 12:00 AM **Sugar Feeding and the Species Assemblages of Mosquitoes along Landscape Gradients**  
Morgen VanderGiessen | morgenvg@vt.edu  
*Virginia Tech*
- 12:15 PM **First Impressions of the BG Pro**  
Nate Nagle | nnagle@pwcgov.org  
*Prince William County Public Works*
- 12:30 AM **Break**
- Presiding: Andy Lima*
- 12:35 PM **VMCA Business Meeting**

## List of Speakers

Charles Abadam, Suffolk Department of Public Works  
[cabadam@suffolkva.us](mailto:cabadam@suffolkva.us)

Karen Akaratovic, Suffolk Department of Public Works  
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Randy Buchanan, Henrico County Public Works  
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Dr. Brian Byrd, Western Carolina University  
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Pablo Cabrera, San Gabriel Valley Mosquito & Vector Control District  
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TJ Carner, York County Mosquito Control and Stormwater Maintenance  
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Robert Cartner, Beaufort County Mosquito Control  
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Carla Caulkins, Chesapeake Mosquito Control Commission  
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Robert Christian, Virginia Dept. of Agriculture and Consumer Services  
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Timothy DuBois, Portsmouth Mosquito Control  
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Christina Espada, Old Dominion University  
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Lauren Fryzlewicz, Virginia Tech  
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Dr. David Gaines, Virginia Department of Health  
[david.gaines@vdh.virginia.gov](mailto:david.gaines@vdh.virginia.gov)

Laura Harrington, Cornell University, Northeast Regional Center for Excellence in Vector-Borne Disease  
[lch27@cornell.edu](mailto:lch27@cornell.edu)

Elizabeth Hodson, York County Mosquito and Stormwater Maintenance  
[elizabeth.hodson@yorkcounty.gov](mailto:elizabeth.hodson@yorkcounty.gov)

## List of Speakers

Heather Hyland, Orange County Mosquito and Vector Control District  
[hhyland@ocvector.org](mailto:hhyland@ocvector.org)

Jay Kiser, Suffolk Department of Public Works  
[jkiser@suffolkva.us](mailto:jkiser@suffolkva.us)

Andy Lima, Fairfax County Health Department  
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Ryan Levering, Henrico Public Works  
[lev004@henrico.us](mailto:lev004@henrico.us)

Nathaniel Nagle, Prince William County Mosquito and Forest Pest Management  
[nnagle@pwcgov.org](mailto:nnagle@pwcgov.org)

John Orr, Fairfax County Health Department  
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Brian Prendergast, Maryland Department of Agriculture  
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Janice Pulver, York County Mosquito Control and Stormwater Management  
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Katherine Reutt, Chesapeake Mosquito Control Commission  
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Levy Sun, San Gabriel Valley Mosquito and Vector Control District  
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Na Xie, Virginia Tech  
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## SUSTAINING MEMBERS

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## VIRGINIA MOSQUITO CONTROL ASSOCIATION

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Kurt Vandock, Bayer Environmental Science



# 2021 Virtual Annual Conference of the Virginia Mosquito Control Association

January 26 - January 27, 2021