

2018 VECTOR CONTROL SUMMIT

Itching to Improve: | MARCH 13 - 15 |
Building Local Mosquito Control Capacity | ORLANDO, FLORIDA



SPEAKER BIOS



Oscar Alleyne, DrPH, MPH
Senior Advisor for Public Health Programs, NACCHO

Oscar Alleyne is Senior Advisor for Public Health Programs at the National Association of County and City Health Officials providing leadership and senior level management of a portfolio of \$14 million covering the programmatic divisions of Infectious Disease and Informatics, Public Health Preparedness, Pandemic and Catastrophic Preparedness, and Environmental Health. Dr.

Alleyne began his career in governmental public health and for 15 years served as the Director of Epidemiology and Public Health in Rockland County. He holds a Doctorate in Public Health from the New York Medical College, School of Health Sciences and Practice and is a graduate of the University at Albany, School of Public Health.

Chris Barker, MS, PhD

Associate Professor and Researcher, University of California Davis, CDC Center of Excellence

Dr. Barker is an associate professor in the Department of Pathology, Microbiology, and Immunology of the UC Davis School of Veterinary Medicine. He studies the epidemiology and ecology of mosquito-transmitted viruses, and he directs California's central diagnostic laboratory and related data management systems for surveillance of mosquito-borne viruses. Chris has MS degrees in epidemiology and entomology and a PhD in medical entomology.



Ben Beard, BS, MS, PhD
Deputy Director, Division of Vector-Borne Diseases, CDC NCEZID

Charles Benjamin (Ben) Beard earned a B.S. in 1980 at Auburn University, a M.S. in 1983 at the Louisiana State University School of Medicine, and a Ph.D. in 1987 at the University of Florida. He was a post-doctoral fellow and associate research scientist at the Yale University School of Medicine from 1987 to 1991. In 1991, he joined CDC's Division of Parasitic Diseases, where he served as Chief of the Vector Genetics Section from 1999 to 2003. In 2003 he moved to CDC's Division of Vector-Borne Diseases in Fort Collins, CO to become Chief of the Bacterial Diseases Branch. In this capacity, he coordinated CDC's programs on Lyme borreliosis, tick-borne relapsing fever, Bartonella, plague, and tularemia. During his tenure at CDC, Ben has worked in the prevention of vector-borne diseases, both in the domestic and global arenas. In addition to his work as Chief of the Bacterial Diseases Branch, from 2011 until 2017 Dr. Beard served as the Associate Director for Climate Change in CDC's National Center for Emerging and Zoonotic Infectious Diseases, where he coordinated CDC's efforts to mitigate the potential impact of climate variability and disruption on infectious diseases in humans. In 2017, he was appointed as the Acting Deputy Director of CDC's Division of Vector-Borne Diseases. He has published over 125 scientific papers, books, and book chapters collectively, and has served on a variety of committees and panels both inside and outside of CDC, including working groups or advisory panels for the World Health Organization, the Bill & Melinda Gates Foundation, and the American Meteorological Society. He is an

Associate Editor for Emerging Infectious Diseases and past president of the Society for Vector Ecology and served as Deputy Incident Manager for CDC's Zika virus outbreak response.



Roxanne Connelly, PhD, BCE

Chief Entomologist, Division of Vector-Borne Diseases, Centers for Disease Control and Prevention (CDC) National Center for Emerging and Zoonotic Infectious Diseases (NCEZID); Former President of the American Mosquito Control Association

Dr. Roxanne Connelly is the Chief Entomologist, Entomology and Ecology Team Lead for the Centers for Disease Control and Prevention, National Center for Emerging and Zoonotic Infectious Diseases, Division of Vector-borne Diseases, Arboviral Disease Branch in Fort Collins, CO. She leads a team of experts focused on public health applied research, control and response in the area of vector surveillance and control. Prior to moving to Fort Collins, Dr. Connelly spent 17 years on the faculty of the University of Florida working directly with mosquito control programs and county extension agents throughout Florida addressing mosquito research needs as well as training and extension programming centered on mosquito biology and control and medical entomology. She mentored graduate students and taught Mosquito Biology, Mosquito Control, Insecticide Resistance, Mosquito Morphology and Identification, and Integrated Mosquito Management.

Alvina K. Chu, MHS

Program Manager Epidemiology Program, Florida Department of Health in Orange County



Michael Doyle

State Public Health Entomologist, North Carolina Department of Health and Human Services

Michael Doyle is a State Public Health Entomologist with the NC Dept of Health and Human Services, Communicable Diseases Branch. His primary roles are to assist counties with mosquito surveillance and control improvement, human disease surveillance, and serving as a subject matter expert for arthropods of medical importance. He most recently served as Executive Director of the Florida Keys Mosquito Control District in Monroe County, FL. This included oversight of mosquito control measures, media outreach, finance, administration, and applied research. Prior to the Keys he was an Entomologist at the Centers for Disease Control and Prevention in Fort Collins, CO, studying vector competence in mosquitoes and related flies, and mosquito behavior. His direct mosquito control experience was with Colorado Mosquito Control, Inc., (CMC), performing contracted Integrated Mosquito Management for multiple counties, cities, and homeowner's associations. Other positions include: private sector Environmental Consulting, regulatory biology for the Army Corps of Engineers, County-based West Nile Virus consulting, and environmental education for State and municipal programs. His formal education is in Entomology (M.S.), and in Interpretive Natural History (B.A.).



Sandra Fisher-Granger, MPH
Director, Hernando County Mosquito Control

Sandra L. Fisher-Grainger is the current director of the Hernando County Mosquito Control department working in mosquito control for some 15 years. She holds a Master of Public Health Degree from Eastern Virginia Medical School and a Bachelor of Science from Old Dominion University. She began her career in mosquito control as an intern for City of Norfolk Vector Control in Virginia during her senior year at ODU. After completing her undergrad, she took a fellowship at the Centers for Disease Control where she worked on a project involving Varicella (herpes) zoster, as well as increasing protein production in yeasts. After her fellowship she returned to Norfolk Vector Control as a biologist and also worked as a biologist for the City of Hampton. She relocated to Homestead FL in 2006 and served as the director of Miami-Dade County Mosquito Control before moving to Hernando. Her interests lie in surveillance of vector-borne diseases and the epidemiology and ecology of hosts and vectors. She is a co-author of two published studies hoping to add to these this fall when she plans to begin the DrPH program with the University of South Florida. When not studying mosquitoes and infectious diseases she enjoys crafting, reading, and spending time with her 4-legged “kids” Sydney, Jax and Hope.



Chris Fredregill
Field Operations Manager, Mosquito and Vector Control, Harris County, TX

Chris Fredregill is currently the Field Operations Manager, for Harris County Public Health Mosquito and Vector Control Division where he manages the Night Time Ultra Low Volume (ULV) spray operations, mosquito inspections section and the Testing and Evaluation section. Chris has been with Harris County since graduating from Texas A&M in 2002. In his previous roles, he conducted evaluations of new and existing treatment and control methods, created and maintained the division’s maps and maintained the insectaries. Chris has served on the Board of Directors for the Texas Mosquito Control Association and also gives continuing education on pesticide safety and chemical control. He also is a certified Master Trainer for the American Mosquito Control Association’s Best Management Practices in Integrated Mosquito Management.



Terri Harder
Epidemiology Program Manager, Florida Department of Health in Collier County

Terri received a Bachelor of Science in Nursing from the University of South Florida. During her career she has provided direct inpatient care with a focus on pediatrics, and outpatient case management for children with special health care needs. She has been employed in public health for 15 years, initially with the Healthy Start program, and in Epidemiology for the past 12 years.



Vanessa Lamers, MPH, MES

**Assistant Director of Performance Management and Quality Improvement Unit,
Public Health Foundation (PHF)**

Vanessa develops and leads programming to build the capacity of state, local, tribal, and territorial health departments and provides technical assistance and training. Ms. Lamers managed the Vector Control Program Improvement Initiative with the Centers for Disease Control and Prevention, which worked with five health department vector control programs over a period of three years. Ms. Lamers holds a Bachelor of Arts from the University of Oregon as well as a Master of Public Health and Master of Environmental Science, both from Yale University.



Lauren Lochstampfor

Environmental Health Specialist III, Disease Carrying Insects Program, Fairfax County Health Department, Fairfax, VA

As a senior mosquito biologist with Fairfax County's Disease Carrying Insects Program, Lauren coordinates larval mosquito surveillance and control activities throughout the County as well as creating and updating GIS content for the program. She is a Master Trainer for AMCA/CDC's Training and Certification Program as well as a Certified Mosquito Identification Specialist. She has 15+ years of mosquito control and surveillance experience working in both the private and public sectors throughout the US. Lauren has a BS in Fisheries and Wildlife Management from Michigan State University.



Shaun May, MPH, REHS

Director of Environmental Health, Bi-City-County Health District, Amarillo, TX

Shaun May graduated from East Carolina University with a B.S. in Biology, a M.P.H. from the University of West Florida. He also is a NEHA R.E.H.S and DR in the State of Texas. He recently received his Certified Public Manager from Texas Tech University. Shaun has worked in the Public Health field for almost 15 years; 13 years with the Florida Department of Health where he most recently served as the Environmental and Community Health Section Chief in Okaloosa County. In 2015, he relocated to Amarillo, TX where he currently serves as the EH Director for the Bi-City-County Health District. Shaun has been active in the Florida and Texas Environmental Health Associations. He is a former State and Chapter president with the Florida Environmental Health Association, and he is a current State General Council member and a former Panhandle West Texas Chapter President in the Texas Environmental Health Association. Shaun is married to his amazing wife Danielle and has three children, Lilly (age 4), Connor (age 18 months), Zadi (2 months). When he is not busy running from dance to gymnastics, Shaun is active in his church and Lions club. In his non-existent free time, he would love to read and travel more.



Janet McAllister, PhD, BCE,

**Research Entomologist, Centers for Disease Control and Prevention (CDC)
National Center for Emerging and Zoonotic Infectious Diseases (NCEZID)**



Scott Meador
Vector Control Coordinator, Tulsa Health Department

Scott has been involved in mosquito control since 2003. Scott received his B.S. from Southeastern Oklahoma State University with a degree in Wildlife Biology and continued his education at Texas A&M University-Commerce studying Environmental Science. He began working at the Mesquite, Texas Health Department as a food inspector in 2003. The job also included work in the mosquito control program. In 2007, Scott and his new family moved home to Tulsa, Oklahoma and began employment at the Tulsa Health Department. His experiences in mosquito control lead him to become the Vector Control Coordinator in 2009. During his tenure at THD, he has led many projects which have yielded vast improvements to the program. When not at work, Scott is an active dad of three and enjoys officiating football in the fall.



Rachel Morreale, MS
Field Validation Biologist, Lee County Mosquito Control District

She received a B.S. in Biology from the University of North Florida in 2010. Upon completion of her undergraduate studies, Rachel worked as a Seasonal Surveillance Assistant for LCMCD where she learned about the importance of mosquito control. In 2014, she earned a M.S. in Biology focused on medical entomology from Georgia Southern University and returned to LCMCD. As Field Validation Biologist, Rachel oversees the Insecticide Susceptibility Program, including maintaining colonies of mosquitoes and conducting resistance bioassays. She also performs droplet characterization tests on the ground and aircraft fleet, conducts efficacy tests on new products, and researches techniques to improve current mosquito control methods.

Matthew Penn, JD, MLIS
Director, Public Health Law Program, Centers for Disease Control and Prevention



Claudia Riegel, PhD
Director, New Orleans Mosquito, Termite, and Rodent Control Board

Claudia earned her degrees from Purdue University, University of Georgia, and obtained a Ph.D. from the University of Florida. Directly out of school, she worked in private industry as a field scientist in the urban pest management field. Responsibilities included providing technical support, collaborated with government organizations, universities, and customers. In 2004, she became Principal Research Entomologist for the City of New Orleans Mosquito and Termite Control Board. In 2006, she became Assistant Director, and in 2010 she was promoted to Director of the department. At the City, she provides technical support for the City of New Orleans and the pest control industry, conducts independent research, collaborates mosquitoes with industry for enhancements of existing products and testing of new products, and collaborates with government organizations and universities on a variety of research projects involving rodents, , termites, and a variety of other urban pests. Providing information about termites, mosquitoes, rodents, and pest issues after natural disasters to the pest control professionals and to the public is part of her job responsibilities. She participates in several

professional societies at the national and local level. In addition, she enjoys traveling and speaks at pest control and public health in the US and internationally.



Andrew Ruiz, MSPH
Health Scientist, National Center for Environmental Health, Centers for Disease Control and Prevention

Andrew Ruiz received a B.A. degree in Geography and GIS from the University of New Mexico and an MSPH in Tropical Medicine from Tulane University. He has field experience with mosquito abatement and surveillance, including pesticide applications, inspections, equipment calibration and program management. He has worked in New Orleans, Louisiana, Massachusetts and Southwest Florida and is a licensed pesticide applicator in the State of Florida.



Jared Shoultz
Esri Health GIS Patterns Specialist

Jared has 20+ years of experience with GIS and Public Health in academic, governmental and commercial capacities ranging from GIS Analyst to Deputy Director for a large state agency managing GIS, IT/IS, operations and systems. Mr. Shoultz has taught GIS and served as a Senior GIS Research Associate designing and implementing enterprise GIS environments. Over the past 3 years he has been working with Esri's Public Health and Public Works team to gather requirements from clients and develop an integrated vector-borne disease surveillance and control solution to help address this growing threat with Geographic Information Systems.



Christine Vanover, MPH
Public Health Analyst, CDC's National Center for Environmental Health, Water, Food, and Environmental Health Services Branch

Christine received a BS degree in Biology from Georgia Institute of Technology and a MPH from University of Georgia. She has been working on vector control program improvement for the past year and is passionate on environmental health issues and program improvement.



Honorable Judge Thomas Walsh
Justice of the Supreme Court, Rockland County, NY

The Honorable Judge Thomas Walsh began his career in 1976 as an assistant Rockland County attorney and a general private practice attorney. He continued to serve as an attorney until 2008. He also served as a Haverstraw village justice from 1983 to 2007 and a Haverstraw town justice from 2007 to 2008. From 2005 to 2007, he was an acting justice of the Spring Valley Village Court. He then became an acting judge of the Rockland County Family Court and was appointed a surrogate of the Rockland County Surrogate's Court in 2008. The following year, he became an acting supreme court justice.



Tyler Zerwekh, DrPH, REHS

Administrator of Environmental Health Services Bureau, Shelby County Health Department, TN

Dr. Tyler Zerwekh is the Administrator for the Environmental Health Services Bureau at the Shelby Health Department in Memphis, TN. His duties include oversight of the Pollution Control, Vector Control, and Environmental Health and Food Safety programs within the health department. He has been with the organization 10 years after previous ventures with City of Houston Health Department, University of Texas, and the Hawaii Department of Health. Dr. Zerwekh draws upon 19 years of experience within various components of public health and specifically environmental public health. In prior positions, Tyler has worked in the laboratory, epidemiology, public health preparedness, environmental health, and administrative components of the public health field. Dr. Zerwekh completed the prestigious Centers for Disease Control and Prevention Environmental Public Health Leadership Institute program in 2008. Dr. Zerwekh has published emergency preparedness articles in scientific peer-reviewed journals and has also written 6 chapters about emergency preparedness and environmental health in scientific and medical texts. Dr. Zerwekh sits on various professional committees including the NACCHO Environmental Health Workgroup Committee, serves as the Vector Control Technical Advisor for the National Environmental Health Association, and is a trained Public Health Accreditation Board (PHAB) Site Visitor. Dr. Zerwekh also possesses a Registered Environmental Health Specialist credential through the National Environmental Health Association and serves as a peer reviewer for the *Journal of Environmental Health*. Dr. Zerwekh attended Texas Tech University where he graduated with a Bachelors in Psychology and Chemistry. He received his Master of Public Health in Occupational Health / Emergency Response from the University of Texas, School of Public Health, and his educational journey culminated with a Doctorate in Public Health in Community Health / Disease Control from University of Texas, School of Public Health. Dr. Zerwekh spends his leisure time with his wife of 14 years, Cassi, and his 2 daughters Madeline (7) and Harper (5).

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