

SARAH R. MICHAELS

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Department of Tropical Medicine
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New Orleans, LA 70112

EDUCATION

- 2017 **PhD Tropical Medicine**, Tulane University, New Orleans, Louisiana.
Dissertation: Factors Impacting the Urban Transmission Potential of Mosquito-borne Arboviruses in New Orleans, Louisiana.
Advisor: Dr. Dawn Wesson
- 1999 **MSPH Parasitology**, Tulane University, New Orleans, Louisiana.
Advisor: Dr. Scott Michael
- 1998 **BA Environmental Studies**, University of Rochester, Rochester, New York.
Senior thesis: A Distribution of Wolbachia among Neo-Tropical Insect Specimens
Advisor: Dr. Jack Werren

PROFESSIONAL EXPERIENCE/ APPOINTMENTS

- 2020 – present **Clinical Assistant Professor** (Current position)
Tulane University, School of Public Health, Department of Tropical Medicine
- 2019 -2020 **Course Developer**
eCornell, Cornell University, *Master Course in Vector Biology and Public Health*
- 2018 -2020 **Adjunct Assistant Professor**
Tulane University, School of Public Health, Department of Tropical Medicine
- 2018- 2019 **Lecturer**
Cornell University, Department of Entomology
PI: Laura Harrington, PhD, *CDC Center of Excellence in Vector-Borne Diseases*
- 2011 - 2018 **Entomologist & Mosquito Control Supervisor**
City of New Orleans Mosquito Control Board, Director: Claudia Riegel, PhD
- 2006 - 2011 **Laboratory Coordinator**
Tulane University, Department of Tropical Medicine
PI: Dawn Wesson, PhD, Grant support: *Bill and Melinda Gates Foundation Grant #50025, National Institute of Allergy and Infectious Diseases Grant #5 U01 AI 58303-05*
- 2006 **Research Scientist III**
Arthropod-borne Disease Program, New York State Department of Health, Albany, NY.
Director: Dennis White, PhD. Supervisor: Bryon Backenson, MS.
- 2002-2006 **Infectious Disease Epidemiologist & West Nile virus Surveillance Coordinator**
Louisiana Department of Health, Office of Public Health, New Orleans, LA.
Director: Raoult Ratard, MD. Supervisor: Gary Balsamo, DVM.
- 2000-2002 **Research Assistant**
Oregon Health & Sciences University, Center for Research on Occupational & Environmental Toxicology, Portland, OR.
PI's: Linda McCauley, PhD, Joan Rothlein, PhD, W. Kent Anger, PhD.
Grant-funded position: *National Institute for Occupational Safety and Health*

GRANTS & AWARDS

- 2023 Carol Lavin Bernick Faculty Grant Program, Research & Scholarly Activities Support. \$4,000

- Faculty Mentored Undergraduate Research, Center for Engaged Learning & Teaching (CELT), Tulane University. Student: Gabe Ellias. \$2,958
 Course Activity & WAVES Grant, Tulane Center for Public Service. \$750
 Undergraduate Activities Fund, Office of Academic Affairs & Provost. \$224
- 2022 Course activity & WAVES Grant, Tulane Center for Public Service, Tulane University. \$750
 Faculty Networking Seminar, Office of Academic Affairs & Provost, Tulane University. \$2,962
 Faculty Mentored Undergraduate Research, Center for Engaged Learning & Teaching, Tulane University. \$1,500
- 2021 Operational Research Fund Award, Louisiana Mosquito Control Association. Student: Angela Smith, Role: Faculty Advisor. \$5,000
 Faculty Mentored Undergraduate Research, Center for Engaged Learning & Teaching, Tulane University. Student: Charles Lehigh. \$2,900
 Course activity and WAVES Grant, Tulane Center for Public Service, Tulane University. \$750
 Classroom Enhancement Grant, Center for Engaged Learning & Teaching, Tulane University. \$306
- 2020 Tulane University, Service Learning Course Development Grant, Community Partner; The Urban Conservancy. Supporting sustainable stormwater management in the Hoffman Triangle Neighborhood of New Orleans. \$5,000
- 2017 Centers for Disease Control & Prevention, Epidemiology and Laboratory Capacity (ELC) for Infectious Disease Cooperative Agreement, “Zika virus public education and mosquito abatement” Co-PI: \$854,000
- 2016 Delta Omega Public Health Honorary Society, Poster Competition: \$150
- 2015 Tulane University, Interdisciplinary Innovative Programs Hub, “Evaluation of Knowledge, Attitudes, and Practices among Residents and Healthcare Providers for Prevention and Diagnosis of Mosquito-borne Viruses in New Orleans, LA” Co-PI: \$3,000.
- 2014 U.S. Environmental Protection Agency, Urban Waters Small Grants Program. “Evaluating the Impact of Stormwater Mitigation on Mosquito Populations, Water Quality, and Quality of Life in New Orleans, LA” Co-PI: \$67,000.
- 2009 Louisiana Mosquito Control Association, “Examining Changes in *Aedes aegypti* and *Ae. albopictus* relative population densities in New Orleans Following Hurricane Katrina” PI: \$3,009.

TEACHING EXPERIENCE

- 2021 - present **Instructor**, eCornell, Vector-borne Disease Surveillance Course
- 2019 - present **Instructor**, Tulane University, SPHL 6020 - Foundations in Public Health (including Distance Learning sections), SPHU 1020 - Cell, Individual, and the Community, SPHU 4010 - Formulation of Public Health Policy, SPHU 4350 - Zoonotic Infections, TRMD 6420 - Tropical Virology
- 2011 - 2020 **Guest Lecturer**, Tulane University, TRMD 6420 -Tropical Virology, TRMD 6060-Medical Entomology, SPHU 2050-Arthropods & Public Health, SPHU 1020-Cell, Individual, and the Community, GEHS-6910 Env Aspects of Disaster Response, EBIO-2210 Insect Biology
- 2019 **Instructor**, Northeast Center for Excellence in Vector-borne Diseases, Vector Biology Boot Camp, Major Regional Diseases & Emerging Threats, Vector-borne Disease Communication Approaches
- 2018 - 2019 **Co-Instructor**, Cornell University, Department of Entomology, ENTOM 4520– Biology of Disease Vectors, ENTOM 6530 – Control of Disease Vectors and ENTOM 6520 – Malaria Biology & Control (new graduate courses)
- 2018 **Guest Lecturer**, Cornell University, Public Health Master’s Program, VETMI 6112 – Cases in Infectious Diseases and Health
- 2017 - 2018 **Master Trainer**, American Mosquito Control Association, Integrated Mosquito Management
- 2017 -2018 **Instructor**, Western Gulf Center of Excellence for Vector-borne Diseases, Certification Course
- 2014 - 2017 **Field & Classroom Instructor**, Tulane University Emerging Scholars Program EHS Academy (High School students)
- 2013 - 2018 **Course Coordinator & Instructor**, Louisiana Mosquito Control Association and New Orleans Mosquito Control Board Mosquito Control Academy
- 2012 – 2014 **Instructor**, Super Science, Lusher Charter Elementary School (3rd-5th grade students)

- 2008 - 2009 **Graduate Teaching Assistant**, Tulane School of Public Health & Tropical Medicine, TRMD 6060-Medical Entomology, TRMD 7800-Advanced Medical Entomology
- 1998 **Instructor**, Syracuse University, Office of Graduate Programs, Young Scholars Program

PROFESSIONAL SERVICE

- 2023-present **Curriculum Committee Member**, Tulane School of Public Health & Tropical Medicine
- 2023-present **Education & Training Committee Member**, Louisiana Mosquito Control Association
- 2022-present **Subject Editor for Disease Surveillance**, Journal of the American Mosquito Control Association
- 2022-present **DrPH Admissions Committee**, Tulane University School of Public Health & Tropical Medicine
- 2021 **Honor Board Member**, Academic Integrity, Tulane University
- 2020 **Reviewer**, Pathogens and Global Health (formerly Annals of Tropical Medicine & Parasitology)
- 2019 **Stakeholder**, Assessing Green Streets for New Orleans Project
- 2018 **Vector Committee**, National Environmental Health Association
- 2018 **Reviewer**, PNAS
- 2017 - 2018 **Professional Development Committee Chair**, Louisiana Mosquito Control Association, member - Louisiana Zika Preparedness Committees
- 2017 - 2018 **Practicum supervisor**, Louisiana State University, Health Sciences Center, School of Public Health
- 2016 - 2017 **Advisory Board Member**, American Mosquito Control Association, Best Management Practices for Integrated Mosquito Management
- 2016 - 2017 **Work Nola Summer Intern supervisor**, City of New Orleans, Mosquito Control Board
- 2011 - 2018 **Practicum supervisor**, Tulane University, School of Public Health & Tropical Medicine

CERTIFICATIONS & LICENSES

- Louisiana Department of Agriculture and Forestry, Commercial Pesticide Applicator, License: 00136989
Mosquito Control Supervisor (8D), Community Public Health (8C), General Standards
- Collaborative Institutional Training Initiative, Group 1. Biomedical Research Investigator
- American Red Cross - Adult and Child First Aid/CPR/AED
- Medical Reserve Corp, Louisiana Volunteers in Action (2020)
- Design for Online Institute, Cornell University (2019)
- Digital Portfolios in Higher Education, Cornell University (2019)
- Advancing Learning through Evidence-Based STEM Teaching, CTRL (2019)
- Mentoring Skills for an Academic Career, Cornell University (2019)
- Evidence-Based Undergraduate STEM Teaching, CRTL (2018)
- Teaching and Learning in the Diverse Classroom, CRTL (2018)

TECHNICAL DOCUMENTS

Barker, C., R. Connelly, J. Conlon, M. Debboun, A. Faraji, K. Fujioka, C. Lesser, **S. Michaels**, K. Smith, G. White and I. Unlu. Best Management Practices for Integrated Mosquito Management. 2017. American Mosquito Control Association.

S. Michaels*, S. Babcock* & C. Riegel. 2016. City of New Orleans: Zika Virus Plan. <http://www.nola.gov/health-department/emergency-preparedness/zika/>

PEER-REVIEWED PUBLICATIONS

P Thongsripong, BH Carter, MJ Ward, SB Jameson, **SR Michaels**, JO Yukich, DM Wesson. 2023. *Aedes aegypti* and *Aedes albopictus* (Diptera: Culicidae) oviposition activity and the associated socio-environmental factors in the New Orleans area. *J Med Entomol.* 2023 Mar 6;60(2):392-400. doi: 10.1093/jme/tjad007. PMID: 36683424..

M Sallam, **SR Michaels**, C Riegel, RM Pereira, W Zipperer, G Lockaby, & P Koehler. 2017. Spatio-Temporal Distribution of Vector-Host Contact (VHC) Ratios and Ecological Niche Modeling of the West Nile Virus Mosquito Vector, *Culex quinquefasciatus*, in the City of New Orleans, LA, USA. *International Journal of Environmental Research and Public Health.* 14(892): 1-20; <https://doi.org/10.3390/ijerph14080892>

RM Moudy, **SR Michaels**, SB Jameson, B Londono, V Lopez, KA Caillouët, CJ Hallmark, IM Foppa, PL Dorn, DM Wesson. 2014. Analysis of Household Environmental Factors Associated with Peridomestic *Triatoma sanguisuga* (Hemiptera: Reduviidae) Presence in Southeastern Louisiana, USA. *J. Med. Entomology.* 51(5): 1043-1050; DOI: <http://dx.doi.org/10.1603/ME13234>

KA Caillouët, **SR Michaels**, X Xu, I Foppa, DM Wesson. 2008. Increases in West Nile Neuroinvasive Disease Following Hurricane Katrina. *Emerging Infectious Diseases,* 14 (5) 804-807. <http://www.cdc.gov/eid/content/14/5/pdfs/804.pdf>

S Jamison, **S Michaels**, R Ratard, J Sweet, B deBoisblanc. 2007. A 41-year-old HIV-positive man with acute onset of quadriplegia after West Nile Virus infection. *Southern Medical Journal,* 100 (10):1051-1053.

S Straif-Bourgeois, T Sokol, G Balsamo, S Hall, N Weed, N Krishna, A Thomas, **S Michaels**, Z Islam and R Ratard. 2006. Hurricane Katrina's Impact on Infectious Disease Surveillance. *Journal of the Louisiana State Medical Society,* 158 (3) 137-141.

DR O'Leary, S Kuhn, KL Kniss, AF Hinckley, SA Rasmussen, WJ Pape, LK Kightlinger, BD Beecham, TK Miller, DF Neitzel, **SR Michaels**, GL Campbell, RS Lanciotti and EB Hayes. 2006. Birth Outcomes Following West Nile Virus Infection of Pregnant Women in the United States: 2003-2004. *Pediatrics,* 117 (3): 537-545.

S Smith, **SR Michaels**, CH Anderson, GA Balsamo, Z Xu, A Roy, B Shelby and, DM Wesson. 2005. Louisiana ArboNet: A Web-Based Arboviral Surveillance System. *Wing Beats,* 16 (3) 16-20.

SR Michaels, GA Balsamo, M Kukreja, CH Anderson, S Straif-Bourgeois, G Talati, and RC Ratard. 2005. Surveillance for West Nile Virus Cases in Louisiana 2001-2004. *Journal of the Louisiana State Medical Society,* 157 (5): 269-272.

G Balsamo, **S Michaels**, T Sokol, K Lees, M Mehta, S Straif-Bourgeois, S Hall, N Krishna, G Talati, and R Ratard. 2003. West Nile Epidemic in Louisiana in 2002. *The Ochsner Journal,* 5 (3): 13-15.

L McCauley, **S Michaels**, J Rothlein, J Muniz, M Lasarev, & C Ebbert. 2003. Pesticide Exposure and Self-Reported Home Hygiene: Practices in Agricultural Families. *American Association of Occupational Health Nursing Journal,* 51 (3): 113-119.

SELECTED INVITED PRESENTATIONS/ SEMINARS

- 2021 Tulane Public Health Undergraduate Student Government. New Orleans, LA. "*Hurricane Ida and Public Health Panel Discussion*".
Tulane Health Equity Fellowship. New Orleans, LA. "*Student Engagement in Applied Research Studies*"
Department of Tropical Medicine, Tulane School of Public Health, New Orleans, LA. "*Student Engagement in Urban Water Management and Vector Ecology Studies*"
- 2019 10th Northeastern Eastern Equine Encephalitis Virus Conference. Portsmouth, NH. "*Outreach Initiatives of the NE Center for Excellence*"
The Blue House. New Orleans, LA. "*FIKA – Relationship between Water & Mosquitoes*"

- 2018 Mississippi Mosquito & Vector Control Association. Pearl, MS. *“Lessons Learned with Zika Response - New Orleans”*
Pesticide Regulatory Education Program (PREP), U.S. Environmental Protection Agency, Seattle, WA. *“City of New Orleans’ Response and Lessons Learned with Zika, Novel Approaches for Mosquito Control.”*
Global Health Seminar, Tulane University, School of Medicine. New Orleans, LA. *“New Orleans Mosquito Control Response to Zika Virus”*
- 2017 National Park Service, Webinar to Environmental Health Staff. *“Zika Virus & other Vector-borne Diseases in the U.S.”.*
Tulane University School of Public Health & Tropical Medicine. Webinar. *“Holding Zika at Bay: The New Orleans Public Health Response.”*
American Association of Code Enforcement, New Orleans, LA. *“Mobilizing effective vector control efforts to reduce Zika virus vector abundance in urban neighborhoods.”*
Texas Environmental Health Association. Austin, TX. *“Zika: What Environmental Health Professionals Need to Know” & “Vector-borne Diseases in Southeastern U.S.”*
Tulane University, Departmental of Tropical Medicine Seminar Series, *“Factors Impacting the Urban Transmission Potential of Mosquito-borne Arboviruses in New Orleans, LA”*
- 2016 American Public Health Association Epidemiology & Environment Sections Webinar. *“Recent Status of Zika Virus, with Focus on Haiti and the Region”*
Enhancing Environmental Health Knowledge (EEK): Vectors & Public Health Virtual Conference. National Environmental Health Association. Webinar. *“Zika in the U.S.: What Environmental Health and Pest Management Professionals Need to Know – Updates.”*
National Environmental Health Association. Webinar. *“Zika in the U.S.: What Environmental Health and Pest Management Professionals Need to Know.”*
- 2012 New Orleans Mosquito Control Board Seminar Series. New Orleans, LA. *“West Nile Virus: the Epidemiology of Human Infections and the Role of Mosquito Control.”*

CONFERENCE PRESENTATIONS

- A. Smith, H. Penton, G. Ellias, & **S. Michaels**. A Survey of *Dirofilaria immitis* among New Orleans Mosquitoes by Neighborhood. Louisiana Mosquito Control Association. Lafayette, LA. December 5, 2023.
- H. Penton, G. Ellias, B. Carter & **S. Michaels**. Who’s biting who? An analysis of blood-fed mosquitoes across neighborhoods in New Orleans, LA. Louisiana Mosquito Control Association. Lafayette, LA. December 5, 2023.
- A. Smith, B. Carter, C. Lehigh, D Wesson & **S. Michaels**. A Survey of *Dirofilaria immitis* among New Orleans Mosquitoes by Neighborhood. Louisiana Mosquito Control Association. Online meeting. December 7, 2021.
- S Michaels**, E. Foster, B. Carter, P. King, C. Harrison & C. Riegel. Area-wide Larvicide Application Efficacy targeting *Aedes aegypti* in New Orleans. American Mosquito Control Association. Kansas City, MO. February 27, 2018.
- S Michaels**, R Davis, JC Welty, & D Wesson. Evaluation of Knowledge and Practices of Residents for the Prevention of Mosquito-borne Viruses in New Orleans. Louisiana Mosquito Control Annual Meeting. Covington, LA. December 7, 2017.
- S Michaels**, E Foster, C Harrison, P King, B Carter & C Riegel. Area-wide Larvicide Application Efficacy targeting *Aedes aegypti* in New Orleans. Louisiana Mosquito Control Annual Meeting. Covington, LA. December 6, 2017.
- S Michaels**, S Babcock, B Carter, P King, C Harrison, & C Riegel. Implementing Outreach and Education Activities in Response to Zika Virus. Louisiana Mosquito Control Association Annual Meeting. Baton Rouge, LA. December 7, 2016.

B Carter, A Williams, S Baker, K Zehren, C Harrison, P King, **S Michaels**, & C Riegel. Surveillance for Zika Virus Vectors in New Orleans, LA. Louisiana Mosquito Control Association Annual Meeting. Baton Rouge, LA. December 7, 2016.

P Thongsripong, **S Michaels**, S Jameson, & D Wesson. Distribution and Oviposition Intensity of Zika Virus Vectors *Aedes aegypti* and *Aedes albopictus* in the Greater New Orleans Region. Louisiana Mosquito Control Association Annual Meeting. Baton Rouge, LA. December 7, 2016.

M Ward, P Thongsripong, **S Michaels**, & D Wesson. Vector Competence of New Orleans *Aedes aegypti* Mosquitoes for Zika Virus; A Preliminary Report. Louisiana Mosquito Control Association Annual Meeting. Baton Rouge, LA. December 7, 2016.

SR Michaels, B Carter, L Turpen, C Harrison, M Nyugen, K Caillouet, J Davis, & C Riegel. Surveillance for Chikungunya Virus Vectors in New Orleans, Louisiana. American Mosquito Control Association. New Orleans, LA. April 2, 2015.

SR Michaels, B Carter, L Turpen, K Caillouet, S Jameson & C Riegel. Chikungunya vector surveillance in New Orleans. Louisiana Mosquito Control Association. New Orleans, LA. December 10, 2014.

SR Michaels, E Foster, B Carter, L Turpen, C Harrison, M Nguyen, P King, C Riegel and J McAllister. Evaluation of aerial adulticide applications for *Aedes* control in New Orleans. Louisiana Mosquito Control Association. New Orleans, LA. December 10, 2014.

SR Michaels and C Riegel. Risk Assessment for the Potential Emergence of Dengue and Chikungunya viruses in New Orleans, LA. American Public Health Association. New Orleans, LA. November 18, 2014.

SR Michaels, A Ruiz, SB Jameson, JK Davis, C Riegel, D Wesson. Comparison of Adult Trapping Methods for *Aedes* in New Orleans, LA. American Mosquito Control Association. Seattle, WA. February 4, 2014.

SR Michaels and C Riegel. Stormwater Mitigation, Urban Redevelopment, the MS4 and Mosquito Control. Louisiana Mosquito Control Association. Marksville, LA. December 4, 2013.

D Wesson, R Moudy, **SR Michaels**, S Jameson, W Howe, K Seger, C Riegel. Large Scale Control of *Aedes albopictus* in Southern Louisiana: is it possible? American Mosquito Control Association. Atlantic City, NJ. February 26, 2013.

SR Michaels, A Ruiz, C Harrison, M Nguyen, P King, C Riegel. Multi-faceted response to the resurgence of West Nile virus in New Orleans, Louisiana 2012. American Mosquito Control Association. Atlantic City, NJ. February 25, 2013.

SR Michaels, A Ruiz, C Harrison, M Nguyen, P King, D Wesson, RC Chistofferson, CN Mores, C Riegel. Response to the resurgence of WNV in New Orleans, LA 2012. Louisiana Mosquito Control Association. Lafayette, LA. December 5, 2012.

SR Michaels, W. Howe, M. Nguyen, C. Harrison, C. Riegel, DM Wesson. Increased surveillance for dengue vectors in New Orleans, LA and implications for disease transmission. Louisiana Mosquito Control Association. Covington, Louisiana. December 1, 2011.

SR Michaels, M Mitchell, DM Wesson. A Decade of *Aedes aegypti* and *Ae. albopictus* Surveillance in New Orleans, Louisiana. 2000-2009. Texas and Louisiana Mosquito Control Association. Beaumont, Texas. November 19, 2009.

SR Michaels, KA Caillouët, DM Wesson. Changes in *Aedes aegypti* and *Aedes albopictus* relative population densities in New Orleans, 2005-07. Louisiana Mosquito Control Association. Metairie, LA. December 4, 2007.

S Smith, **SR Michaels**, CH Anderson, GA Balsamo, Z Xu, B Shelby, DM Wesson. ARBONET: Louisiana Arbovirus On-line Mapping Surveillance. 21st Annual Louisiana Remote Sensing & GIS Workshop. New Orleans, LA. April 20, 2005.

SR Michaels. West Nile Virus Human Surveillance and Possible Risk Behaviors. Louisiana Mosquito Control Association. Monroe, LA. November 11, 2004.

SR Michaels, C. Weir, B. Cervantes, SM Funaro-Soto, W. Lambert and L McCauley. Developing Environmental Leadership Skills in At-Risk Latino Youth: An Evaluation Plan. Annual Meeting of the Society of Public Health Educators. Atlanta, GA. October 19-21, 2001.

SR Michaels, A Tamulinas, WK Anger, D. Storzbach, and D Rohlman. Adapting Neurotoxic Assessment Tests to Accurately Capture Test Performance of a Culturally Diverse Population. Western Regional Epidemiological Network (WREN) Conference. Ashland, Oregon. May 18, 2001.

POSTER PRESENTATIONS

BH Carter, A Smith, **SR Michaels**, K Theall, J Yukich, DM. Wesson. Assessing the impacts of social vulnerability on mosquito abundance, diversity, and ecology in New Orleans, Louisiana. American Society of Tropical Medicine and Hygiene. Online meeting. November 2021.

C. Scott, **S Michaels**, B Carter, P Connelly, M Latham, C Harrison, A Ruiz & C Riegel. Aerial ULV control of caged *Aedes aegypti* with Naled in open and sequestered areas. American Mosquito Control Annual Meeting. Orlando, FL. March 1, 2019.

P King, **S Michaels**, C Harrison, B Carter, T Dupree, & C Riegel. Area-wide Larviciding in an Urban Landscape, Orleans Parish. Louisiana Mosquito Control Association Annual Meeting. Lafayette, LA. December 4, 2018.

C Scott, J McAllister, M Guajardo, L Noel, D Rose, C Harrison, **S Michaels**, C Riegel, C Vasquez. Field comparisons of the Gravid *Aedes* Trap (GAT), BG-Sentinel 2 Trap, and Autocidal Gravid Ovitrap (AGO) for monitoring *Aedes aegypti* populations in Miami, FL and New Orleans, LA. American Mosquito Control Association. Kansas City, MO. February 28, 2018.

M Banfield, E Kuhns, S Whiteside, D Murdock, I Unlu, R Xue, D Dixon, D Ward, D Wesson, & **S Michaels**. Evaluation of a commercialized Autocidal Gravid Ovitrap for the control of *Aedes aegypti* and *Aedes albopictus* in three regions of the United States. Mosquito Control Association. Kansas City, MO. February 28, 2018.

SR Michaels, R Davis, JC Welty, D Wesson. Evaluation of Knowledge and Practices of Residents for the Prevention of Mosquito-borne Viruses in New Orleans, LA. American Society of Tropical Medicine and Hygiene. Atlanta, GA. November 16, 2016.

A. Williams, B. Carter, **S Michaels**, S Baker, K Zehren, & C Riegel. Characterizing *Aedes* Populations in High-Risk Communities in New Orleans, LA. American Society of Tropical Medicine & Hygiene. Hilton Atlanta, Atlanta, GA. November 15, 2016.

SR Michaels, B Carter, C Harrison, C Riegel. Surveillance and Container Assessments in Residential Environments for the Prevention of Mosquito-borne Viruses New Orleans, Louisiana. Institut Pasteur, International Zika Summit 2016. Paris, France. April 25-26, 2016.

SR Michaels, B Carter, L Turpen, C Harrison, M Nyugen, K Caillouet, C Riegel. Entomological Investigations of Chikungunya Virus Vectors in New Orleans, Louisiana. American Society of Tropical Medicine and Hygiene. New Orleans, LA. November 3, 2014.

SR Michaels, DM Chisenhall, RC Christofferson, C Riegel, DM Wesson, CN Mores. Characterization of the resurgence of West Nile virus in New Orleans, Louisiana – 2012. American Society of Tropical Medicine and Hygiene. Atlanta, GA. November 14, 2012.

SR Michaels, MK Carroll, DM Wesson, C. Riegel. Development and Implementation of a Pro-Active Dengue Response Plan in New Orleans, Louisiana. American Society of Tropical Medicine and Hygiene. Philadelphia, PA. December 7, 2011.

SR Michaels, BD Byrd, MA Rider, JW Houdek, G Estrada, DM Wesson. Host-feeding Patterns of *Aedes aegypti* and *Aedes albopictus* in New Orleans, Louisiana, 2006. American Society of Tropical Medicine and Hygiene. New Orleans, LA. December 10, 2008.

SR Michaels, M Yates, W Kramer, DM Wesson, I Foppa. Predictors for Epidemic West Nile Virus Transmission in East Baton Rouge Parish, Louisiana, 2003-2007. American Society of Tropical Medicine and Hygiene. New Orleans, LA. December 9, 2008.

DM Wesson, R Campanella, G Stav, **SR Michaels**. Effect of Hurricane Katrina on Container Breeding *Aedes* Mosquito Species in Uptown New Orleans, LA: Displacement is Reversed. American Society of Tropical Medicine and Hygiene. Philadelphia, PA. November 6, 2007.

SR Michaels and M Kukreja. Behavioral and Environmental Risk Factors for Developing West Nile Virus Infection – Are Louisiana Hunters at Increased Risk? 2005 National Conference on West Nile Virus in the United States. San Jose, CA. February 8-9, 2005.

SR Michaels, C. Anderson, G Balsamo and A Roy. Utility of Surveillance Data as Predictor of Human Illness. 2005 National Conference on West Nile Virus in the United States. San Jose, CA. February 8-9, 2005.

MENTORING

BSPH Undergraduate Honors Thesis:

Chaira Whitehurst (BS/BSPH 2023-24)

Catherine Rolfes (BA/BSPH 2022-23)

Sahil Inaganti (BA/BSPH 2022-23)

MS Thesis Committee Member:

Bryce Moulton (BSPH, MS 2023)

MPH&TM Student Advisor Tulane Tropical Medicine:

McKenna Devlin (MPH&TM 2022-23)

Zane Presnal (MPH&TM 2022-23)

Roberta Leah Adams (MPH&TM 2021-23)

Angela Smith (MPH&TM 2021-22)

MS Student Advisor:

Phurchhoki Sherpa (Cornell MS 2018-19)

Erin Hassett (Cornell MS 2018-19)

James Stewart (Cornell MS 2018-19)

MSPH/ MPH Student Practicum preceptor:

Leta Ko (Tulane MSPH 2018)
Alice Harman (Tulane MSPH 2017-18)
Aubrey Gilliland (LSU-HSC MPH 2018)
HeeJung Ko (Tulane MSPH 2016-2018)
Thomas McGlynn (Tulane MSPH 2016-18)
Andres Mendez (Tulane MSPH 2016-17)
Samuel Baker (Tulane MSPH 2016-17)
Adeline Williams (Yale MPH 2016-17)
Leena Salama (Tulane MSPH 2015-16)
Colin Niselman (Tulane MSPH 2014-15)
Brendan Carter (Tulane MSPH 2013-14)
Christopher Roundy (Tulane MSPH 2012-13)
Krystal Seger (Tulane MSPH 2011-12)
Whitney Howe (Tulane MSPH 2011-12)
Andrew Ruiz (Tulane MSPH 2011-12)

BSPH Summer Internship Supervisor:

Sarah McCaffrey (Tulane BSPH 2018)
Alyssa Bialek (Tulane BSPH 2018)
Marg Dalton (Tulane BSPH 2017)
Kallin Zehren (Tulane BSPH 2017)

PROFESSIONAL MEMBERSHIPS

American Mosquito Control Association, 2012-present
American Society of Tropical Medicine and Hygiene, 2008, 2011-present
 American Committee on Medical Entomology, Arthropod-borne Viruses
Entomological Society of America, 2012-present
 Section on Medical, Urban and Veterinary Entomology
Louisiana Mosquito Control Association, 2003-present
 Professional Development Committee Chair, 2017-2018