**KYNDALL C. DYE-BRAUMULLER**

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**EDUCATION**

**Ph.D.** Major: Epidemiology; Concentration: Vector-Borne Disease Epidemiology. August 2022.

Dissertation Advisor: Dr. Melissa S. Nolan

University of South Carolina, Columbia, SC. Overall Graduate GPA: 3.96.

**M.S.** Major: Entomology; Concentration: Medical Entomology. May 2016.

 Thesis Advisor: Dr. Grayson Brown

University of Kentucky, Lexington, KY. Overall Graduate GPA: 4.00.

**B.S.** Major: Entomology. May 2013.

University of Georgia, Athens, GA. *Summa cum laude.*

**B.S.** Major: Environmental Health Science. May 2013.

University of Georgia, Athens, GA. *Summa cum laude.*

**PROFESSIONAL appointments**

June 2024 – Present

**Research Assistant Professor.** Institute for Infectious Disease Translational Research. Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, SC.

June 2022 – June 2024

**Post-Doctoral Fellow.** Laboratory of Vector-Borne and Zoonotic Diseases, Dr. Melissa Nolan. Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, SC.

June 2019 – May 2022

**Doctoral Research Assistant.** Laboratory of Vector-Borne and Zoonotic Diseases, Dr. Melissa Nolan. PhD Candidate, Department Epidemiology and Biostatistics, University of South Carolina, Columbia, SC.

August 2016 – May 2019

**Vector Surveillance Manager.** Vector Surveillance Branch, Mosquito and Vector Control Division. Harris County Public Health Department, Houston, TX.

June 2016 – August 2016

**Seasonal Field/Lab Technician.** Testing and Evaluation Section, Field Operations Branch, Mosquito and Vector Control Division. Harris County Public Health Department, Houston, TX.

July 2013 – May 2016

**Senior Laboratory Technician.** Public Health Entomology Laboratory, Dr. Grayson C. Brown. Department of Entomology, University of Kentucky, Lexington, KY.

July 2013 – May 2016

**Graduate Research Assistant.** Public Health Entomology Laboratory, Dr. Grayson C. Brown. MS student, Department of Entomology, University of Kentucky, Lexington, KY.

May 2013 – July 2013

**Summer Intern.** Structural Pest Section, Plant Industry Division, Georgia Department of Agriculture, Atlanta, GA.

January 2012 – May 2013

**Undergraduate Researcher and Insect Identification.** Discover Life, Dr. John Pickering. Odum School of Ecology, University of Georgia, Athens, GA.

August 2012 – February 2013

**Undergraduate Researcher.** Wildlife Disease Laboratory, Dr. Michael Yabsley. College of Veterinary Medicine, Department of Population Health, University of Georgia, Athens, GA.

June 2012 – August 2012

**Undergraduate Intern/Student Researcher.** Summer Program in Environmental Health, Centers for Disease Control and Prevention, Atlanta, GA.

August 2010 – May 2012

**Resident Assistant.** Savannah Colony, Russell Hall, University of Georgia Department of Housing, University of Georgia, Athens, GA.

**current research interests**

Vector-borne disease epidemiology, vector-borne disease ecology, human behavior and vector-borne disease risk, efficacy of vector control strategies, vector behavior, One Health, neglected tropical diseases, geographical modeling of vector-borne diseases, pathogen interactions inside vector hosts, arboviral diseases, viral genome evolution in relation to disease dynamics

**REFEREED PUBLICATIONS**

*In preparation, submitted, and in press:*

*Scientific Journals*

1. **Dye-Braumuller KC**, Nolan MS. Review: Emerging and re-emerging arboviruses in the Brazilian Amazon in humans: Risks and impacts from deforestation and urbanization. *In prep: Acta Tropica.*
2. **Dye-Braumuller KC**, Evans C, Johnson D, Norris M, Rodriguez C, Ross C, Chandler J, Trout Fryxell R, Nolan MS. Filling in the gap: First South Carolina state-wide tick and tick-borne disease surveillance program. *In prep: Ticks and Tick-Borne Diseases*.
3. Costa-da-Silva AL, **Dye-Braumuller KC**, Wagner-Coello HU, Li H, Johnson-Carson D, Gunter SM, Nolan MS, DeGennaro M. Landscape and meteorological variables associated with *Aedes aegypti* and *Aedes albopictus* mosquito infestation in two southeastern USA coastal cities. *In Prep: Journal of the Society for Vector Ecology.*
4. Waltz H, Haldeman M, **Dye-Braumuller KC**, Pickle EO, Nolan MS. Alpha-galactose Syndrome Cases within the Prisma Health System, South Carolina, USA: A Retrospective Chart Review. *Submitted: Southern Medical Journal.*

*Published:*

*Online Media*

1. **Dye-Braumuller KC**, Darbro J. Module 5: Arbovirus Surveillance. In: AMCA’s Best Practices for Integrated Mosquito Management Virtual Training Program. Eds: Gordon JR, Markowski D. https://amca.ce21.com/item/best-practices-mosquito-management.

*Scientific Journals*

1. Bramlett KE, Witt LE, Meyer MM, Zellars K, **Dye-Braumuller KC**, Nolan MS, 2024. Evidence of Incomplete Feeding Behaviors among South Carolina Tick Populations. *Insects*. 15(6):385.
2. Gual-Gonzalez L, Self SCW, Zellars K, Meyer M, **Dye-Braumuller KC**, Evans CL, Cantillo-Barraza O, Torres MW, Nolan MS, 2024. The Eco-epidemiology of *Rickettisa amblyommatis* and *Rickettsia parkeri* in naturally infected ticks from South Carolina. *Parasites and Vectors,* 17(1):33.
3. Case BKM, **Dye-Braumuller KC**, Evans C, Li H, Rustin L, Nolan MS, 2024. Adapting vector surveillance using Bayesian Experimental Design: An application to an ongoing tick monitoring program in the southeastern United States. *Ticks and Tick-Borne Diseases*, 15(3):102329.
4. Gual-Gonzalez L, **Dye-Braumuller KC**, Warner A, Bunting T, Bryant D, Burkhalter K, Connelly R, Nolan MS. Do *Aedes triseriatus* respect state boundaries? A paucity of La Crosse virus in the South Carolina Appalachian Mountains*. Vector-Borne and Zoonotic Diseases,* Epub ahead of print. https://doi.org/10.1089/vbz.2023.0018.
5. **Dye-Braumuller KC**, Gual-Gonzalez, L, Abiodun, T, Rustin, LP, Evans, CL, Meyer, MM, Zellars K, Neault, MJ and Nolan, MS, 2023. Invasive *Haemaphysalis longicornis* (Acari: Ixodidae) investigation in South Carolina: New records of establishment, pathogen prevalence, and blood meal analyses. *Journal of Medical Entomology*, p.tjad119. https://doi.org/10.1093/jme/tjad119.
6. McCarter MS, Self S, **Dye-Braumuller KC,** Lee C, Li H, Nolan MS. 2023. The utility of a Bayesian predictive model to forecast neuroinvasive West Nile virus disease in the United States of America, 2022. *Plos one*. 18(9):e0290873. https://doi.org/10.1371/journal.pone.0290873.
7. **Dye-Braumuller KC**, Lynn MK, Cornejo Rivas PM, Lee C, Rodriguez Aquino MS, Chandler JG, Trout Fryxell RT, Self SCW, Kanyangarara M, Nolan MS. 2023. First report of multiple *Rickettsia* sp., *Anaplasma* sp., and *Ehrlichia* sp. in the San Miguel Department of El Salvador from zoonotic tick vectors. *Acta Tropica.* 242:106909. https://doi.org/10.1016/j.actatropica.2023.106909.
8. **Dye-Braumuller KC**,Rodriguez Aquino MS, Zellars K, Waltz H, Meyer M, Gual Gonzalez L, Self SCW, Kanyangarara M, Nolan MS. 2022. Antibody prevalence and risk factors associated with *Rickettsia* spp. in a pediatric cohort: SFGR remains underdiagnosed and underreported in El Salvador. *Pathogens*. 11(11):1241. https://doi.org/10.3390/pathogens11111241.
9. **Dye-Braumuller KC**, Rodriguez Aquino MS, Self SCW, Kanyangarara M, Nolan MS. 2022. Spotted Fever Group Rickettsioses in Central America: The research and public health disparity among socioeconomic lines. *Insects.* https://doi.org/10.3390/insects13080674.
10. Lynn MK, **Dye-Braumuller KC**, Beatty N, Dorn P, Klotz S, Stramer S, Townsend RL, Kamel H, Sadler P, Montgomery SP, Rivera HN, Nolan MS. 2022. Evidence of likely autochthonous Chagas disease in the Southwestern United States: A case series of *Trypanosoma cruzi* seropositive blood donors. *Transfusion.* https://doi:10.1111/trf.17026.
11. **Dye-Braumuller K**, Gordon JR, Johnson D, Morrisey J, McCoy K, Dinglasan RR, Nolan MS. 2022. Needs assessment of Southeastern United States vector control agencies: Capacity improvement is greatly needed to prevent the next vector-borne disease outbreak. *Journal of Tropical Medicine and Infectious Disease: Vector-Borne Diseases.* 7:73. https://doi.org/10.3390/tropicalmed7050073.
12. Gual-Gonzalez L, McCarter MSJ, **Dye-Braumuller K**, Self S, Ross CH, Rodriguez-Ramos C, Daguise VG, Nolan MS. 2022. Determinants of COVID-19 vaccinations among a state-wide year-long surveillance initiative in a conservative southern state. *Vaccines*. 10(3):412. https://doi.org/10.3390/vaccines10030412.
13. **Dye-Braumuller KC**, Gordon JR, McCoy K, Johnson D, Dinglasan R, Nolan MS. 2022. Riding the wave: Reactive vector-borne disease policy renders the United States vulnerable to outbreaks and insecticide resistance. *Journal of Medical Entomology*. tjab219, https://doi.org/10.1093/jme/tjab219.
14. **Dye-Braumuller KC**, Waltz H, Lynn MK, Klotz SA, Schmidt JO, Romero A, Rodriguez Aquino MS, Palacios Valladares JR, Cornejo Rivas PM, and Nolan MS. 2021. A southwestern United States pilot investigation of triatomine-mite prevalence. *Insects*. 12(9):811. doi:10.3390/insects12090811.
15. **Dye-Braumuller KC**, Kanyangarara M. 2021. Malaria in the USA: How vulnerable are we to future outbreaks? *Current Tropical Medicine Reports*. https://doi.org/10.1007/s40475-02000224-z.
16. **Dye-Braumuller KC**, Lynn MK, Nolan MS. 2020. History of indigenous *Trypanosoma cruzi* infection in humans, animals, and triatomines in California, USA. *Zoonoses Public Health*. 00:1-10. https://doi.org/10.1111/zph.12797.
17. **Dye-Braumuller KC**, Lynn MK, Gorchakov R, Gunter SM, Berry RM, Murray KO, Nolan MS. 2020. Low *Trypanosoma cruzi* transmission risk to humans in the Trans-Pecos region of Texas. *Parasite Epidemiology and Control*. 11:e00180.
18. Vigilant M, Battle-Freeman C, **Braumuller KC**, Riley R, Fredregill CL. 2020. Harris County Public Health Mosquito and Vector Control Division Emergency Response to Hurricane Harvey: Vector-Borne Disease Surveillance and Control. *Journal of the American Mosquito Control Association*. 36(2s):15-27.
19. **Dye-Braumuller KC**, Evans CL, Lynn MK, Forsyth CJ, Gomez C, Nolan MS. 2020. Domestic *Triatoma sanguisuga*-human exposure in the South Carolina Coastal Region. *The American Journal of Tropical Medicine and Hygiene*. 103(4):1487-1489.
20. **Dye-Braumuller K,** Fredregill C.Mosquito Control. Mosquitoes, Communities, and Public Health in Texas. 2019. Debboun M, Reyna Nava M, Rueda L (ed.). p.250-278. Elsevier Science & Technology.
21. Nolan MS, **Dye-Braumuller K,** Clark E. Chagas disease in the United States (USA). Chagas disease: A Clinical Approach. Altcheh JM and Freilij H (ed.). pp. 125-138. Springer Nature. 2018.
22. **Dye-Braumuller KC**, GorchakovR, Gunter SM, Neilsen DH, Roachell WD, Wheless A, Debboun M, Murray KO, and Nolan MS. 2018. Identification of triatomines and their habitats in a highly developed urban environment. *Vector-Borne and Zoonotic Diseases*. 19(4):265-273.
23. **Dye-Braumuller KC**, Haynes KF, and Brown GC. 2017. Quantitative analysis of *Aedes albopictus* behavior following sublethal exposure to prallethrin. *Journal of the American Mosquito Control Association*. 33(4):282-292.

**NON-REFEREED PUBLICATIONS**

1. Gordon J, Crawley S, **Dye-Braumuller KC**. April 2023. Teamwork makes the public health dream work. Pest Control Technology. https://www.pctonline.com/article/how-pco-government-agencies-can-work-together-to-protect-public-health/.
2. **Dye-Braumuller KC.** April 12, 2022. Can Ticks Actually Cause an Allergy to Red Meat? Bug Lessons LLC, guest blog. https://www.buglessons.com/blog/can-ticks-actually-cause-an-allergy-to-red-meat.
3. **Dye-Braumuller KC.** 2019. In The News. AMCA Newsletter. Fall 2019. (1)2:11-14.
4. **Dye-Braumuller KC**, Schmidt-Jeffris RA, Reall T, Halfpenny RK, Whitener AB, and Gantz JD. 2018. Solving Problems without Borders. American Entomologist. 64(3):165-175.
5. **Dye-Braumuller KC**, Judd S. 2017. Young Professionals Group Update. AMCA Newsletter. Summer 2017. 46(2):12-14.
6. **Dye-Braumuller KC**. 2017. Young Professionals Update: Why the Young Professionals Need Your Help. AMCA Newsletter. Spring 2017. 46(1):10-11.
7. **Dye-Braumuller KC**. 2016. Young Professionals Update. AMCA Newsletter. Winter 2016. 45(4):10.
8. **Dye, KC**, Whitener AB, Gillung JP, and Parker C. 2016. From the Students to the Students: Why YOU Need to Attend ICE 2016. American Entomologist. 62(3):178-180.
9. **Dye KC**, Skiles AG, and Brown GC. 2016. Are You Prepared to Battle Zika Virus? Mosquito Management In and Around Your Home. Healthy Living Made Simple Magazine.

**Invited Presentations**

*Podium, poster, and general educational presentations*

*Presentations presented by first author*

1. **Dye-Braumuller KC** (2024). Tick Biology Review. Annual Tick University Workshop, CDC Southeastern Center of Excellence for Vector-Borne Diseases. Columbia, SC.
2. **Dye-Braumuller KC**, Darbro J (2024). Alexa, what’s arbovirus surveillance? Symposium: Breaking news! AMCA Launches FREE Virtual Training Program about Integrated Mosquito Management. American Mosquito Control Association Annual Meeting. Dallas, TX.
3. **Dye-Braumuller KC**, Gordon JG, Johnson D, Morrissey J, McCoy K, Dinglasan R, Nolan MS (2023). Southeastern US Vector Control Needs Assessment. Symposium: The results are in: National, regional, and local vector control capacity and needs symposium. American Mosquito Control Association Annual Meeting. Reno, NV.
4. **Dye-Braumuller KC**, Gongora C (2023). Building Connections Online. American Mosquito Control Association Annual Young Professionals Pre-Conference Workshop. Reno, NV.
5. **Dye-Braumuller KC** and Nolan MS (2023). Summer 2023: What’s biting you AND your patients? Presentation presented to PRISMA Health Pediatrics Medicine Grand Rounds. PRISMA Health, Columbia, SC.
6. **Dye-Braumuller KC** (2022: Fall semester). Vector-borne disease epidemiology. Guest lecture presented to Arnold School of Public Health class (EPID 542), Global Health Epidemiology. University of South Carolina, Columbia, SC.
7. **Dye-Braumuller KC**, Johnson D, and Nolan MS (2022). Applying remote sensing to advance mosquito control methods. The 17th Annual Arbovirus Surveillance and Mosquito Control Workshop. St. Augustine, FL.
8. **Dye-Braumuller KC**, Nolan MS, Huixuan L, and Gunter S (2022). Borrowing your neighbor’s toolkit: Leveraging GIS and remote sensing technologies to track and predict *Culex* spp. migration. Symposium: Lessons from the AMCA best practices for integrated mosquito management manual: Protecting the public from *Culex* mosquitoes and interfering with arbovirus transmission. American Mosquito Control Association Annual Meeting. Jacksonville, FL.
9. **Dye-Braumuller KC** (2020, 2022; Spring and Fall semesters). Vector-Borne Disease Surveillance. Guest lecture presented to Arnold School of Public Health Epidemiology class (EPID 730), Surveillance Methods. University of South Carolina, Columbia, SC.
10. Nolan MS and **Dye-Braumuller KC** (2021). Leveraging community partnerships for tick-borne disease awareness. Program Symposium: Plant a Seed Today: Cultivating Communication and Policy Strategies to Engage the Public in Future Science Challenges. Entomological Society of America Annual Meeting. Denver, CO.
11. **Dye-Braumuller KC** and Nolan MS (2021). Vector-borne diseases without borders: Ticks and tick-borne disease in South Carolina. Presentation presented to PRISMA Health Family Medicine Grand Rounds. PRISMA Health, Columbia, SC.
12. **Dye-Braumuller KC** (2020). Vectors and Vector-Borne Disease Surveillance. Guest lecture presented to Arnold School of Public Health Epidemiology class (EPID 394), Special Topics in Epidemiology. University of South Carolina, Columbia, SC.
13. **Dye-Braumuller KC**, Lynn MK, and Nolan MS (2020). Vector-borne disease update in South Carolina: Domestic exposure to *Triatoma sanguisuga* in Summerville, SC. Presentation presented to PRISMA Health Family Medicine Grand Rounds. PRISMA Health, Columbia, SC.
14. **Dye-Braumuller KC** and Nolan MS (2019). Identification of triatomines and their habitats in a highly developed urban environment. Society of Vector Ecology. San Jan, Puerto Rico.

1. **Dye-Braumuller KC** (2018). Kissing Bugs and Chagas Disease. Master Vector-Borne Disease Management Certification Course 2018. Houston, TX.
2. **Dye-Braumuller KC** and Qualls W (2018). Insecticide Resistance Management and Testing. Master Vector-Borne Disease Management Certification Course 2018. Houston, TX.
3. **Dye-Braumuller KC** (2018). Recent News in Triatomine Biology, Control, and Chagas Disease Transmission. American Mosquito Control Association Highlights in Vector Biology Symposium. Kansas City, MI.
4. **Dye-Braumuller KC**, Gorchakov R, and Nolan MS (2018). Clinical Epidemiology, Basic Science and Public Health Investigations of Chagas Disease. Educational seminar presented to Biology and Public Health students at the University of Houston, Downtown. Houston, TX.
5. **Dye-Braumuller KC,** Fredregill C, and Debboun M (2017). Hurricane Harvey: Harris County Public Health Mosquito and Vector Control Division Response and Evaluation. Council of State and Territorial Epidemiologists South Central and Atlantic Vector-Borne Disease Regional Meeting. New Orleans, LA.
6. **Dye-Braumuller KC** (2017). Disease Detective to Medical Entomologist. Extension and educational seminar presented to Biology students at San Jacinto College. Pasadena, TX.
7. Skiles, AG and **Dye KC** (2016). Zika Virus and its Mosquito Vectors. Extension Seminar presented to a Green River District Infection Control Network Meeting. Owensboro, KY.
8. Brown GC, Skiles AG, and **Dye KC** (2016). New Developments in Backyard Mosquito Control and their Relation to Mosquito-Borne Disease. National Conference of Urban Entomology, Albuquerque, NM.
9. **Dye KC** and Brown GC (2016). Current Crises in Arthropod Borne Disease. Panel presentation and discussion in Fulbright Global Health Innovations Seminar, Lexington, KY.
10. **Dye KC** (2015). Public Health Enemy No. 1: Mosquitoes and Mosquito-Borne Diseases. Guest lecture presented to College of Public Health Class (CPH 612), Emerging Infectious Disease Epidemiology. University of Kentucky, Lexington, KY.
11. **Dye KC** and Townsend LH (2015). Ticks of the Green River District. Extension Seminar presented to Green River District Health Department employees and constituents, Owensboro, KY.
12. Townsend LH and **Dye KC** (2015). Tick Surveillance in Western Kentucky. Extension talk presented to quarterly One Health Awareness Kentucky meeting, Clermont, KY.
13. Brown GC and **Dye KC** (2014). Effectiveness of PMP-Applied Insecticides in Home Landscapes. National Conference on Urban Entomology, San Antonio, TX.
14. Brown GC and **Dye KC** (2013). Suburban Mosquito Management. University of Kentucky Pest Control Short Course, Lexington, KY.

**Professional Presentations**

*Podium and poster scientific society presentations*

*Presentations presented by first author*

1. Gual Gonzalez L, Zellars K, Meyer M, Evans C, Rustin L, Owens-Pickle E, **Dye-Braumuller KC**, Nolan M (2024). Unearthing transmission drivers of *Rickettsia parkeri* in South Carolina. Poster Presentation. American Society for Rickettsiology Annual Meeting. Colonial Williamsburg, VA.
2. Fridriksson E, Witt L, **Dye-Braumuller KC**, Li H, Nolan MS (2023). The effect of seasonal temperature change and geospatial factors on mosquito West Nile virus vectors in Columbia, South Carolina, USA. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Chicago, IL.
3. Muraleedharan A, Meyer M, **Dye-Braumuller KC**, Li H, Nolan MS (2023). Epidemiologic variables associated with human West Nile virus seroprevalence in a high endemicity area of South Carolina. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Chicago, IL.
4. Gual Gonzalez L, **Dye-Braumuller KC**, Nolan MS (2023). Invasive species investigation: Asian longhorned tick *Haemaphysalis longicornis* (Acar: Ixodidae) in York County, South Carolina. Oral Presentation. South Carolina Entomological Society Annual Meeting. Columbia, SC.
5. **Dye-Braumuller KC**, Gunter S, Nolan MS (2023). Novel tools for increasing mosquito surveillance efficiency: Using machine learning to develop an *Aedes* egg counter app. Oral Presentation. American Mosquito Control Association Annual Meeting. Reno, NV.
6. Dill A, **Dye-Braumuller KC**, Zellars K, Nolan MS (2023). Lyme disease vector geographic range expansion: South Carolina is a battleground of *Ixodes scapularis* subclades competing for new ecosystems. Poster Presentation. American Mosquito Control Association Annual Meeting. Reno, NV.
7. **Dye-Braumuller KC**, Lynn MK, Cornejo PM, Rodriguez Aquino MS, Nolan MS (2022). Unearthing spotted fever group rickettsioses (SFGR) foci in Central America. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Seattle, WA.
8. Nolan MS, **Dye-Braumuller KC**, Evans C, Rustin L, Lachenmeyer E, Neault M (2022). The emergence of ticks and tick-borne disease in South Carolina: Establishing a statewide initiative leveraging academic-public partnerships. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Seattle, WA.
9. Waltz H, Rodriguez-Ramos C, **Dye-Braumuller KC**, Commins S, Nolan MS (2022). Tick-borne red meat allergy: A survey of diagnosed alpha-gal syndrome in South Carolina. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Seattle, WA.
10. Gual Gonzalez L, McCarter MSJ, **Dye-Braumuller KC**, Self SCW, Ross CH, Rodriguez-Ramos C, Daguise VG, Nolan MS (2022). Determinants of COVID-19 vaccinations among a state-wide year-long surveillance initiative in a conservative southern state. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Seattle, WA.
11. Lynn MK, **Dye-Braumuller KC**, Beatty NL, Dorn PL, Klotz SA, Stramer SL, Townsend RL, Kamel H, Vannoy J, Sadler P, Montgomery SP, Rivera HN, Nolan MS (2022). A case series of autochthonous Chagas disease identified among California and Arizona blood donors. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Seattle, WA.
12. **Dye-Braumuller KC**, Zellars K, Nolan MS (2022). If you build it, ticks will come: Building an integrated tick surveillance program for the state of South Carolina. Oral Presentation. CDC Southeastern Center for Vector-Borne Diseases Annual Meeting. Virtual Format.
13. **Dye-Braumuller KC**, Nolan MS (2022). Unearthing spotted fever group rickettsioses in the low-and middle income country, El Salvador. Oral Presentation. Discover UofSC. Columbia, SC.
14. **Dye-Braumuller KC**, Wils M, Evans C, Nolan MS (2021). Alpha-Gal: An emerging tick-borne disease of concern in the Carolinas. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Virtual Format.
15. Gordon, JR, **Dye-Braumuller KC**, McCoy K, and Nolan MS (2021). Schoolhouse Rock made the process seem simple: Reactive vector-borne disease policy in the US creates opportunities for improvement. Oral Presentation. Entomological Society of America Annual Meeting. Denver, CO.
16. **Dye-Braumuller KC** and Nolan MS (2020). First State-Wide Comprehensive Tick Survey in South Carolina. Poster Presentation. Entomological Society of America Annual Meeting. Virtual Format.
17. **Dye-Braumuller KC** and Nolan MS (2020). Filling in the Gap: First State-Wide Tick (Acari: Ixodidae) Survey in South Carolina. Poster Presentation. American Society of Tropical Medicine and Hygiene Annual Meeting. Virtual Format.
18. **Dye-Braumuller KC**, Evans CL, Lynn MK, Nolan MS (2020). Domestic *Triatoma sanguisuga*-Human Exposure in the Coastal Carolina Region. Oral Presentation. Mid-Atlantic Mosquito Control Association Annual Meeting. Greenville, SC.
19. Lynn MK, **Dye-Braumuller K**, Gorchakov R, Gunter SM, Berry RM, APHIDS Working Group, Murray KO, Nolan MS (2020). Are Ectoparasites Limiting *Triatoma* Fitness in the American Southwest? Poster Presentation. Mid-Atlantic Mosquito Control Association Annual Meeting. Greenville, SC.
20. Johnson D, Lynn MK, **Dye-Braumuller K**, Nolan M, APHIDS Working Group (2020). West Nile Virus 2018 Google Trend Analysis by Metro Area in South and North Carolina. Poster Presentation. Mid-Atlantic Mosquito Control Association Annual Meeting. Greenville, SC.
21. **Dye-Braumuller KC** and Debboun M (2018). Tick (Acari: Ixodidae) Surveillance in Harris County, TX. Texas Mosquito Control Association Annual Meeting. Victoria, TX.

1. **Dye-Braumuller KC**, Gorchakov R, Thangamani S, and Debboun M (2018). A Year in Review: Kissing Bug and Tick Surveillance at Harris County Public Health Mosquito and Vector Control. Annual James Steele Conference on Diseases in Nature Transmittable to Man. Houston, TX.
2. **Dye-Braumuller KC** and Debboun M(2017). Expanding Beyond Mosquitoes: Harris County Public Health Vector Surveillance Branch Overview. Texas Mosquito Control Association Annual Meeting. Fredericksburg, TX.
3. **Dye-Braumuller KC** and Debboun M (2017). Establishment of Kissing Bug Surveillance Program in Harris County, TX. American Mosquito Control Association Annual Meeting. San Diego, CA.
4. **Dye-Braumuller** **KC**, Dennett J, Fredregill C, Reyna M, Schiller A, and Debboun M (2016). Utilizing Bacteria for Mosquito Control: Plans for Wolbachia-Infected Male *Aedes aegypti* Releases in Harris County, TX. Texas Mosquito Control Annual Meeting. Corpus Christi, TX.

1. **Dye KC**, Brown GC, Haynes KF, and Johnson DW (2016). Quantitative analysis of vector behavior following subacute expose to prallethrin, an active ingredient in Duet®. American Mosquito Control Association Annual Meeting. Savannah, GA.
2. **Dye KC**, Brown GC, Haynes KF, and Johnson DW (2015). Quantitative analysis of vector behavior following subacute exposure to prallethrin. Entomology Society of America Annual Meeting. Minneapolis, MN.
3. **Dye KC**, Brown GC, and Johnson DW (2015). Subacute Exposure to Prallethrin Modifies Behavior of Medically Important Vectors. American Mosquito Control Association Annual Meeting. New Orleans, LA.
4. **Dye KC** and Brown GC (2014). Subacute Exposure to Prallethrin Modifies Behavior of Medically Important Vectors. Entomology Society of America Annual Meeting. Portland, OR.
5. **Dye KC**, Gordon JR, Crawley S, Kowles K, Stamper C, and Saeed A (2014). From the lab and beyond: Entomology in action. Poster Presentation. Entomology Society of America Annual Meeting. Portland, OR.
6. **Dye KC** and Brown GC (2014). Efficacy of three pyrethroid insecticides in suburban mosquito suppression. Entomology Society of America North Central Branch Meeting. Des Moines, IA.

**GRANTS and funding**

**Current Research Funding**

**09/17/2021-08/31/2026**

**1R01AI165560-01, NIH NIAID:** “NEXT GENERATION MOSQUITO CONTROL THROUGH TECHNOLOGY-DRIVEN TRAP DEVELOPMENT AND ARTIFICIAL INTELLIGENCE GUIDED DETECTION OF MOSQUITO BREEDING HABITATS” $3.7M Total Cost

K. Dye-Braumuller, Key Personnel; M. Nolan (Co-PI)

This grant will develop novel *Aedes* spp. mosquito traps geared towards multiple mosquito lifestages, creates real-time electronic mosquito capture data input workflows for remote sensing and geospatial analysis, and technical procedures for geospatial prediction modelling that informs daily vector control activities.

**Past Research Funding**

**09/01/2018-12/31/2022**

**The Brockman Medical Research Foundation:** “IMPROVING CHAGAS DISEASE PATIENT DIAGNOSIS AND HEALTH OUTCOMES IN THE SOUTHWESTERN UNITED STATES: EPIDEMIOLOGIC AND ANTIGENIC CHARACTERIZATION OF AUTOCHTHONOUS CASES” $936K Total Cost

K. Dye-Braumuller, Key Personnel; M. Nolan (PI)

The objective of this project is to clarify the risk of locally acquired Trypanosoma cruzi disease transmission and perform epitope mapping of autochthonous parasitic strains in the southwestern US.

**Submitted / Not Funded**

**Centers for Disease Control and Prevention Strengthening Training, Evaluation, and Partnerships in the Prevention and Control of Vector-Borne Diseases Cooperative Agreement:** “The CAVORT Program (Carolinas And Virginia Opportunities for professional Relationship building, applied vector-borne disease Training and program evaluation)” $9M Total Cost

K. Dye-Braumuller, Co-Investigator; M. Nolan (PI)

The CAVORT program’s purpose is to mitigate vector-borne disease (VBD) threats in the Southeastern USA through a three-strategy approach: training, evaluation and interinstitutional relationship building with a multidisciplinary team from across the southeast.

**Centers for Disease Control and Prevention John R. Lewis Undergraduate Public Health Scholars Program and Dr. James A. Ferguson Emerging Infectious Diseases Fellowship: Exposure of Undergraduate, Graduate Students, and Postgraduates to Minority Health, Public Health, and Health Professions:** “The South Carolina SMART (Supporting Minority Advancement and Retention inTo) Public Health Workforce Program” $8.8M Total Cost

K. Dye-Braumuller, Instructor/Key Personnel; M. Nolan (PI)

The SC SMART program will consist of mentorship, leadership & professional development, onboarding for preparation for experiential learning opportunity, academic enrichment, applied learning opportunity, community service events, and debrief, reflection, and overall evaluation of the summer program to recruit and retain minority undergraduates, graduates, and post-docs in public health, specifically infectious diseases.

**US Department of Health and Human Services—NIH Ruth L. Kirschstein Predoctoral Individual National Research Service Award:** “UNCOVERING SPOTTED FEVER GROUP RICKETTSIOSES RISK IN VULNERABLE POPULATIONS IN EL SALVADOR” $74K Total Cost

K. Dye-Braumuller, Principal Investigator

This grant aims to clarify the risk of Spotted Fever Group Rickettsioses in children and pregnant women, identify areas of risk, and increase efficiency of SFGR diagnoses in the country of El Salvador.

**American Kennel Club Canine Health Foundation:** “Canine Tick-Borne Disease in South Carolina: Filling the Gap for One Health” $15K Total Cost

K. Dye-Braumuller, Principal Investigator

This grant aimed to identify knowledge gaps regarding tick-borne disease in canines in South Carolina, compare the disease burden discovered through testing ticks with current knowledge, and lay the groundwork for larger public health and veterinarian One Health interventions.

**Special Projects & Extension**

*Projects funded through discretionary funds or similar (i.e. special projects approved by supervisor when working for local government health department)*

**Impacts of Loal Bat Boxes on Local Mosquito Populations.** May 2024 – Present. Project Coordinator and Graduate Mentor. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**Coastal Carolina Investigation into the Potential for Local Dengue and Malaria: The South Carolina Tourism Hub.** May 2023 – Present. Project Coordinator, Graduate and Undergraduate Mentor. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**Scrub Typhus and *Rickettsia parkeri* Rickettsiosis Investigation in Loris, SC.** August 2023 – Present. Project Coordinator, Graduate and Undergraduate Mentor. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**Transmission Dynamics for West Nile virus in Richland County, SC.** May 2023 – Present. Project Coordinator and Graduate and Undergraduate Mentor. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**Vectors and Associated Arboviruses in Riverbanks Zoo.** May 2022 – August 2023. Graduate Mentor. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**Invasive Asian Longhorned Tick Infestation Investigation, York County.** May 2022 – May 2023. Post Doctoral Fellow Lead, Undergraduates Mentor, Graduate Research Assistant. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

***Rickettsia parkeri* in South Carolina Gulf Coast Ticks.** January 2022 – January 2023. Graduate Mentor and Graduate Research Assistant. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**SFGR in Vulnerable Populations in El Salvador.** May 2021 – May 2022. Project Coordinator and

Graduate Research Assistant. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**La Crosse Virus Encephalitis Upstate Investigation Project.** May 2020 – August 2020. Project Coordinator and Graduate Research Assistant. Laboratory of Vector-Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**State-Wide Tick Surveillance Project.** May 2020 – January 2023. Project Coordinator and Graduate Research Assistant. Laboratory of Vector Borne and Zoonotic Diseases. University of South Carolina. Columbia, SC.

**Remote Sensing and Geospatial Analyses to Detect Disease-Positive Mosquitoes.** August 2017 –

May 2019. Practicum student preceptor and study collaborator. In collaboration with Baylor College of Medicine, National School of Tropical Medicine. Mosquito and Vector Control Division. Harris County Public Health. Houston, TX.

**Big Bend Chagas Disease Epidemiological Investigation.** May 2017. Entomologist, identification of all

kissing bugs. In collaboration with Baylor College of Medicine, National School of Tropical Medicine. Mosquito and Vector Control Division. Harris County Public Health. Big Bend National Park, TX.

**Tick Surveillance Program.** January 2017 – May 2019. Project coordinator. Vector Surveillance Branch,

Mosquito and Vector Control Division. Harris County Public Health. Houston, TX.

***Wolbachia*-infected Male *Aedes* Mosquito Collaboration and Novel Control Technique.** January 2017 – May 2019. Project coordinator. In collaboration with MosquitoMate, Inc. Mosquito and Vector Control Division. Harris County Public Health. Houston, TX.

**Kissing Bug Surveillance Program.** August 2016 – May 2019. Project coordinator. Vector Surveillance

Branch, Mosquito and Vector Control Division. Harris County Public Health. Houston, TX.

**Insecticide Resistance Management: Field Cage Testing.** June 2016 – August 2016. Field technician.

Testing and Evaluation Section, Field Operations Branch, Mosquito and Vector Control Division. Harris County Public Health. Houston, TX.

**Residential Mosquito Suppression Project.** July 2015 – September 2015. Senior laboratory technician. Public Health Entomology Laboratory, University of Kentucky. Lexington, KY.

**Tick Surveillance and Identification for Green River District Health Department.** May 2015. Senior

laboratory technician. Public Health Entomology Laboratory, University of Kentucky. Owensboro, KY.

**Mosquito Identification for Louisville Metro Department of Public Health and Wellness Department.** July 2013 – May 2016. Senior laboratory technician. Public Health Entomology Laboratory, University of Kentucky. Lexington, KY.

**Residential Mosquito Suppression Project.** July 2014 – September 2014. Senior laboratory technician. Public Health Entomology Laboratory, University of Kentucky. Lexington, KY.

**Louisville Metro Department of Public Health and Wellness Mosquito ID Course.** June 2014. Instructor. Public Health Entomology Laboratory, University of Kentucky. Louisville, KY.

**Tick Surveillance and Education for Three Rivers District Health Department.** May 2014. Senior

laboratory technician. Public Health Entomology Laboratory, University of Kentucky. Carrollton, KY.

**Residential Mosquito Suppression Project.** July 2013 – September 2013. Senior laboratory technician. Public Health Entomology Laboratory, University of Kentucky. Lexington, KY.

**Western Kentucky Mosquito Emergency Program.** June 2013. Field technician. Public Health Entomology Laboratory, University of Kentucky. Paducah, KY.

**Teaching Experience**

**EPID 394.** Fall 2024. Co-instructor for Infectious Disease Epidemiology. Epidemiology and Biostatistics

Department, Arnold School of Public Health, University of South Carolina. Columbia, SC.

**EPID 794.** May 2024. Instructor for Infectious Disease Epidemiology. Epidemiology and Biostatistics

Department, Arnold School of Public Health, University of South Carolina. Columbia, SC.

**EPID 794.** May 2023. Co-instructor for Infectious Disease Epidemiology. Epidemiology and Biostatistics

Department, Arnold School of Public Health, University of South Carolina. Columbia, SC.

**Dodd Short Course: Introduction to mosquito-borne arboviruses in Florida.** February 2023.

Instructor. Florida Mosquito Control Association. Gainesville, FL.

**EPID 794.** May 2022. Co-instructor for Infectious Disease Epidemiology. Epidemiology and Biostatistics

Department, Arnold School of Public Health, University of South Carolina. Columbia, SC.

**EPID 701.** Fall 2021. Teaching assistant for Concepts and Methods of Epidemiology. Professor: Dr.

Alyssa Clay-Gilmour. Epidemiology and Biostatistics Department, Arnold School of Public Health, University of South Carolina. Columbia, SC.

**Louisville Metro Department of Public Health and Wellness Mosquito ID Course.** June 2015.

Instructor. Public Health Entomology Laboratory, University of Kentucky. Louisville, KY.

**ENT 300.** Fall 2014. Teaching assistant for General Entomology. Professor: Dr. Kenneth V. Yeargan. Department of Entomology, University of Kentucky. Lexington, KY.

**Certifications**

**Board Certified Entomologist, Specialty: Medical and Veterinary Entomology.** July 2018.

Entomological Society of America.

**Advanced Mosquito Identification and Certification Course.** Class of 2018. Florida Medical

Entomology Laboratory. Vero Beach, FL.

**trainee mentorship**

Formatted as: Trainee Name, (Organization), *Role,* Dates

Abbreviations:

UofSC-ASPH – University of South Carolina Arnold School of Public Health

UofSC-HC – University of South Carolina Honor’s College

 SMART – Support for Minority Advancement in Research Training

 CDC-COE – Centers for Disease Control and Prevention Center of Excellence

**Undergraduate Students**

McKenzi Norris, (UofSC-ASPH), Magellan Research Secondary Advisor, 06/2019 - 12/2020

Danielle Johnson, (UofSC-ASPH), Magellan Research Secondary Advisor, 10/2019 - 05/2020

Hanna Waltz, (UofSC-HC), Magellan Research Secondary Advisor & Honors Thesis Secondary Advisor, 08/2020 - 05/2023

Lauren Turner, (UofSC-ASPH), SMART Research Secondary Advisor & Magellan Research Secondary Advisor, 06/2021 - 12/2022

Bridget Karably, (UofSC-ASPH), CDC-COE Research Intern Secondary Advisor, 06/2021 - 12/2021

Breanna Greenwood, (UofSC-ASPH), CDC-COE Research Intern Secondary Advisor, 06/2021 - 08/2021

Emily Morrison, (UofSC-ASPH), CDC-COE Research Intern Secondary Advisor, 06/2021 - 08/2021

Michael Yan, (UofSC-ASPH), CDC-COE Research Intern Secondary Advisor, 06/2021 - 08/2021

Laura Witt, (UofSC-ASPH), Magellan Research Advisor & Honors Research Grant Secondary Advisor, 03/2022 - 05/2023

Anna Dill, (UofSC-HC), Honors Thesis Secondary Advisor, 03/2022 - 05/2023

**Graduate Students**

Katherine Brown, (UofSC-ASPH), Practicum Thesis Advisor, 05/2023 – 05/2024

Allison Hughes, (UofSC-ASPH), Practicm Thesis Advisor, 05/2024 – Present

**Honors & Awards**

**Arnold School of Public Health Outstanding Student Award.** (2022) University of South Carolina,

Arnold School of Public Health. Columbia, SC. *College-wide award given to 1 outstanding graduate student.*

**2022 3 Minute Thesis Competition Winner.** (2022) University of South Carolina Discover Day.

Columbia, SC.

**2022 Breakthrough Graduate Scholars Award.** (2022) University of South Carolina,

Arnold School of Public Health. Columbia, SC. *University-wide award given to 15 outstanding*

*doctoral graduates.*

**ASTMH American Committee of Medical Entomology Young Investigator Graduate Travel**

**Award.** (2021) American Society of Tropical Medicine and Hygiene Annual Meeting. Virtual Format, $900.

**MAMCA Outstanding Student Award.** (2020) Mid-Atlantic Mosquito Control Association Annual

Meeting. Greenville, SC, $500.

**Arnold School of Public Health Arnold Fellowship.** (2019)University of South Carolina. Columbia,

SC.

**Student Summer Internship.** (2019) CDC Southeastern Center of Excellence in Vector-Borne Diseases.

University of South Carolina, Columbia, SC.

**MUVE Student Scholarship.** (2015) Entomology Society of America Annual Meeting. Minneapolis, MN, $500.

**AAAS/Science Program for Excellence in Science.** (2015) Nominated for participation in program.

**Young Professional of the Month.** (April 2015) American Mosquito Control Association. University of Kentucky.

**Young Professionals Travel Stipend.** (2015) American Mosquito Control Association Annual Meeting. New Orleans, LA, $1,000.

**Student Travel Scholarship.** (2014) North Central Branch Meeting of the Entomology Society of

America. De Moines, IA, $250.

**Georgia Zell Miller HOPE Scholarship.** (Fall 2009 – May 2013) University of Georgia. Athens, GA, undergraduate full tuition.

**Honors Program Student.** (Fall 2009 – May 2013) University of Georgia. Athens, GA.

**John J. Sheuring Scholarship.** (2013) University of Georgia. Athens, GA, $1,000.

**Undergraduate Entomology Scholarship.** (Fall 2011, Spring 2013) University of Georgia. Athens, GA, $500.

**Presidential Scholar.** (Fall 2011, Spring 2012) University of Georgia. Athens, GA.

**Dean’s List.** (Spring 2010, Fall 2011, Spring 2011, Spring 2012) University of Georgia. Athens, GA.

**Service**

**Scientific Reviewer, Journals**

Journal of Medical Entomology (Peer-reviewed journal)

American Journal of Tropical Medicine and Hygiene (Peer-reviewed journal)

Vector-Borne and Zoonotic Diseases (Peer-reviewed journal)

Tropical Medicine & International Health (Peer-reviewed journal)

mSphere (Peer-reviewed journal)

Acta Parasitologica (Peer-reviewed journal)

**Scientific Societies and Institutional Service**

*American Mosquito Control Association (AMCA)*

Symposium Organizer

 2023 Annual Meeting: The results are in: National, Regional, and Local Vector Control

Capacity and Needs

AMCA Young Professionals Advisor and Liaison to the Young Professionals Advisory Board. (2022 – Present). Selected position to the AMCA Board of Directors.

Young Professionals Symposium Organizer (2017, 2018, 2022, 2023, 2024 Annual Meetings).

Young Professionals Pre-Conference Workshop Organizer (2016, 2017, 2018, 2022, 2023, 2024 Annual Meetings).

Chair of AMCA Young Professionals Committee (2016 – 2017). Nominated and elected position to serve young professionals group.

*Society for Vector Ecology (SOVE)*

Student Symposium Organizer (2019, 2021, 2022 Annual Meetings).

SOVE Student Director (2020 – 2021). Nominated and elected position to serve student group.

 SOVE Student Director-Elect (2019 – 2020). Nominated and elected position to serve student

group.

*Entomological Society of America (ESA)*

 Symposium Organizer

 2018 Annual Meeting: Leveling the Playing Field: How Entomologists can Work to

 Reduce Bias and Create Safe Workplaces.

2015 Annual Meeting: (Section Symposium) Synergy in Agricultural Pest Control: Use of Interdisciplinary Approaches to Feed a Growing Population.

Medical, Urban, Veterinary Entomology (MUVE) Representative to Early Career Professionals (2016 – 2018). Nominated and elected position to ESA’s Early Career Professionals Committee.

Chair of Student Affairs Committee (2015 – 2016). Nominated and elected position to ESA’s Student Affairs Committee.

Vice-Chair of Student Affairs Committee (2014 – 2015). Nominated and elected position to ESA’s Student Affairs Committee.

MUVE Representative to Student Affairs Committee (2013 – 2015). Nominated and elected position to ESA’s Student Affairs Committee.

*Texas Mosquito Control Association (TMCA)*

Chair of Young Professional Committee(2017 – 2018). Nominated and elected position to the Texas Mosquito Control Association’s Young Professionals Committee.

Founder of Young Professionals Committee (2017). Aided in the foundation and formation of the TMCA Young Professionals Committee.

*International Congress of Entomology (ICE)*

 Member of 2016 ICE XXV Planning Committee (2016). Representative of ESA student members

and Student Affairs Committee.

Symposium Organizer

2016 ICE / ESA Joint Annual Meeting: Entomologists without borders: The need for collaboration between medical professionals and entomologists for the betterment of global public health.

2016 ICE / ESA Joint Annual Meeting: Aquatic Entomology Around the World.

*Harris County Public Health Department*

Member of One Health Planning Committee(2018). 11th Annual Harris County Public Health One Health Conference (formerly known as the Zoonotic Disease Conference).

*University of Kentucky Entomology Club*

Entomology Discovery Night Volunteer. (2015, 2016). Presentations for the public with the H. Garman Entomology Club.

Science Fair Judge (2014, 2015). Fayette County Public School District Annual Science Fair, Lexington, KY.

Pest Control Short Course Student Volunteer (2013, 2014, 2015).

Explorium Volunteer (2013, 2014, 2015). Volunteer at the Insectarium section of the Explorium Children’s Museum, Lexington, KY.

Linnaean Team (2013).

Honey Bee Committee Member (2013 – 2016).

*University of Illinois Urbana-Champaign, Department of Entomology*

Insect Fear Festival Volunteer (2013).

*University of Georgia, Department of Entomology*

Insectival Student Volunteer (2012).

**Professional Memberships**

**Society for Vector Ecology:** August 2019 – Present.

**American Society of Tropical Medicine and Hygiene:** June 2019 – Present.

**American Mosquito Control Association**: January 2014 – Present.

**Entomology Society of America:** July 2013 – Present.

**Texas Mosquito Control Association**: October 2016 – May 2019.

**University of Kentucky H. Garman Entomology Club:** July 2013 – May 2016.

**University of Georgia H. O. Lund Entomology Club:** August 2010 – May 2013.

**University of Georgia Environmental Health Club:** August 2009 – May 2013.

**Media Coverage**

July 2023. “What could cause a malaria comeback in the US—and what could stop it.” Vox.

https://www.vox.com/2023/7/4/23778786/malaria-us-florida-texas-maryland-climate-change-travel-resurgence-comeback

March 2023. “New invasive tick concerns researchers.” WIS News 10.

https://www.wistv.com/2023/03/23/new-invasive-tick-concerns-researchers/

May 2021. “Tick Tick Tick: What a Plucky Band of Parasite Hunters Found in SC’s Woods.” South

Carolina Public Radio. https://www.southcarolinapublicradio.org/sc-news/2021-05-20/tick-tick-tick-what-a-plucky-band-of-parasite-hunters-found-in-scs-woods

May 2021. “Scientists from the University of South Carolina, USA, Investigate at the UES.” El

Universitario. https://eluniversitario.ues.edu.sv/cientificas-de-la-universidad-de-carolina-del-sur-ee-uu-investigan-en-la-ues/?fbclid=IwAR280dYXa0OuAAWXgOxDfavrxOEzUOTJnaRWj8uy3m08nInKd\_IbtjZpcoY

March 2020. “How a Grassroots USC Project Could Build the State’s First Database of Ticks.” South

Carolina Public Radio. https://www.southcarolinapublicradio.org/sc-news/2020-03-11/how-a-grassroots-usc-project-could-build-the-states-first-database-of-ticks

February 2016. “UK mosquito expert heads team to try to stop Zika virus.” Lexington Herald Leader. http://www.kentucky.com/news/state/article59170758.html

February 2016. “Zoning in on Zika.” Kentucky Kernel. http://www.kykernel.com/news/zoning-in-on- zika/article\_66f51fb2-d5f6-11e5-a7e2-5f3575880098.html

August 2013. “Study is Testing Mosquito Biting Rates and Control Methods.” Entomology Today. https://entomologytoday.org/2013/08/09/study-is-testing-mosquito-biting-rates-and-control- methods/

August 2013. “Research helping take bite out of mosquitoes in Lexington and other suburban backyards.” KY Forward. http://www.kyforward.com/research-helping-take-bite-out-of-mosquitoes-in- lexington-and-other-suburban-backyards/