

Curriculum Vitae for Melissa S Nolan, PhD, MPH

Table of Contents

Contact Information	2
Education and Training.....	2
Current Employment and Appointments	2
Professional Work Experience and Internships	2
Personal Awards/Honors/Scholarships	3
Professional Service and Leadership Positions.....	4
Institutional Service Appointments.....	5
University Level	5
College Level.....	5
Department Level	5
Community Service Affiliations	6
Trainee Mentorship and Advisement	7
Mid-Career Faculty.....	7
Junior Faculty	7
Clinical Fellows	7
Post-Doctoral Fellows	7
Doctoral Students (PhD, MD, and PharmD)	7
Masters Students (MPH, MSPH and MS)	8
Undergraduate Students.....	8
High School Students	9
Honors, Awards and Grants Received by Staff, Current and Former Trainees	10
Junior Faculty	10
Postdoctoral Fellows.....	10
Doctoral Students	10
Masters Students.....	11
Undergraduate Students.....	11
Full-time Staff.....	13
Research Grant Funding.....	15
Research Funding Garnered as Principal Investigator.....	15
Research Funding Garnered as Co-Investigator	18
Peer-Reviewed Publications	22
Published Book Chapters	36
Invited Talks, Guest Lectures, and Community Education Talks.....	37
Scientific Conferences: Podium and Poster Presentations.....	44
Leadership Role on Organized Symposia	57
Legislative and Policy Engagement.....	58
Live Film, Live Radio, and Print Media Interviews	60

Contact Information

Professional:

Email: msnolan@mailbox.sc.edu

Office Phone: 803-777-8932

Office Address: 915 Greene Street, Suite 327, Columbia, SC 29208

Personal:

Email: melissasuzannenolan@gmail.com

Cell Phone: 678-634-9746

Education and Training

University of Georgia

Bachelor of Science, Biological Sciences

Athens, GA

May 2008

University of Texas, School of Public Health

Masters of Public Health, Epidemiology and Global Health Concentration

Houston, TX

August 2008

Baylor College of Medicine

Doctor of Philosophy, Clinical Investigation

Houston, TX

November 2015

Texas Children's Hospital

Post-doctoral Fellowship, Pediatric Infectious Diseases

Houston, TX

April 2018

Current Employment and Appointments

University of South Carolina, Arnold School of Public Health

Assistant Professor, Tenure-Track

Associate Professor, with Tenure

Columbia, SC

2018 -- 2023

2023 -

Prisma Health, Department of Pediatrics

Research Fellow

Columbia, SC

2018 --

Professional Work Experience

2006 – 2007 Sexual Assault Center of Northeast Georgia, *Internship*

2008 – 2009 City of Houston Health & Human Services, Epidemiology Division, *Internship*

2008 – 2009 UTSPH Center for Health Promotion, All About Youth Study, *Graduate Research Assistant*

2009 UCSF Young Black Men who have Sex with Men Study, *Graduate Research Assistant*

2009 UTSPH HIGHER International Fellow: Philippines, *Graduate Research Assistant*

2009 -- 2010 UTSPH Center for Infectious Diseases, *Graduate Research Assistant*

2010 – 2012 UTSPH Center for Infectious Diseases, *Research Coordinator I*

2012 – 2015 Baylor College of Medicine, Texas Children's Hospital, *Research Associate*

2015 – 2018 Harris Health Hospital System, *Research Appointment*

2015 – 2018 Michael E DeBakey Veterans Affairs Medical Center, *WOC Appointment*

2020 – 2022 South Carolina Department of Public Health, *Research Affiliate*

Personal Awards/Honors/Scholarships

2004 – 07	Georgia’s Zell Miller Helping Outstanding Pupils Educationally Program, <i>Scholarship Recipient</i>
2009	Texas Public Education, <i>Scholarship Grant Recipient</i>
2009	Houston Initiative for Global Health, Education and Research, <i>Travel Fellowship Recipient</i>
2012 – 15	BCM’s Graduate School of Biomedical Sciences, <i>Tuition Scholarship Recipient</i>
2013	American Society of Tropical Medicine and Hygiene, <i>Annual Meeting Travel Award Recipient</i>
2020	USC’s Office of the President, <i>Presidential Coin of Excellence</i>
2021	USC’s Office of the Provost, <i>Michael J Mungo Undergraduate Teaching Award nominee</i>
2021	USC’s Arnold School of Public Health, <i>Faculty Service Award</i>
2021	USC’s Office of the Vice President for Research, <i>Distinguished Undergrad Research Mentor Award</i>
2022	USC’s Office of the Vice President for Research, <i>Discovery Day University Research Ambassador</i>
2023	USC’s Office of the Vice President for Research, <i>Breakthrough Stars Award</i>
2024	USC’s Arnold School of Public Health, <i>Faculty Research Award</i>
2024	USC’s <i>Faculty Award for Excellence in Contributions to Access and Collective Engagement in Research</i>
2025	Tropical Medicine and Infectious Disease (scientific journal), <i>John M Goldsmid Award</i>
2026	Office of the South Carolina Governor, <i>Young Scientist Award for Excellence in Scientific Research</i>

Professional Service and Leadership Positions

2010	American Civil Liberties Union, Class Action Lawsuit, <i>Expert Content Witness</i>
2015 – 21	BioMed Central Infectious Diseases, <i>Editorial Board Member</i>
2016 – 17	Current Tropical Medicine Reports, <i>Latin America Section Editor</i>
2017 – 19	Society of Vector Ecology, <i>Elected Regional Officer</i>
2018 – 19	Current Tropical Medicine Reports, <i>Chagas Disease Section Editor</i>
2020	Public Broadcasting Service, <i>Scientific Expert Content Reviewer</i>
2020	PLoS NTD, <i>Guest Editor</i>
2020 – 21	Journal of Environmental and Public Health, <i>Special Issue Guest Editor</i>
2020 – 23	National Institutes of Health, <i>Invited Grant Reviewer</i> (n=6 committee appointments)
2021	Food and Drug Administration, Laboratory of Emerging Pathogens, <i>Invited Site Visit Reviewer</i>
2021 – 23	Entomologic Society of America, <i>Science Policy Fellow</i>
2022	American Kennel Club, <i>Invited Grant Reviewer</i>
2022 – 25	Entomologic Society of America's Diversity and Inclusion Committee, <i>Appointed Member</i>
2022 – 28	National Academies of Science, Engineering, and Medicine--Health and Medicine Division, Forum on Microbial Threats, <i>Nominated member</i>
2024	Czech Republic Science Foundation, <i>Invited Grant Reviewer</i>
2024 – 27	Infectious Disease Society of America, Standards and Practice Guidelines Subcommittee, <i>Nominated Member</i>
2025	American Mosquito Control Association, <i>Invited Grant Reviewer</i>
2025	American Society of Rickettsiology, <i>Invited Abstract Reviewer</i>
2026	IDSA's SPSG Subcommittee's AI Strategy Roadmap Working Group, <i>Invited Member</i>
2026	National Science Foundation, <i>Invited Grant Reviewer</i> (n=1 committee appointment)
2026 – 27	Food Allergy Research and Education, Alpha-gal Syndrome Advisory Council, <i>Invited Member</i>
2026 – 29	American Society of Tropical Medicine and Hygiene, <i>Kinetoplastida Subcommittee Member</i>

Institutional Service Appointments

University Level

- 2008 – 10 UTSPH Student Epidemic Intelligence Society, *Elected Officer*
2008 – 10 UTSPH Student Association, *Elected Officer*
2009 – 10 Texas Medical Center Student Affairs Advisory Council, *Appointed Officer*
2010 – 12 UT Health Science Center at Houston's Committee on the Status of Women, *Elected Officer*
2013 – 14 BCM Institutional Review Board, *Invited Member*
2017 – 18 BCM Clark Faculty Service Award Selection Committee, *Appointed Member*
2018 – 19 Prisma Health System Institutional Review Board, *Appointed Member*
2019 Prisma Health System's Annual Research Showcase, *Presentation Reviewer*
2019 USC's Office of the Vice-President of Research, *Magellan Scholar Proposal Reviewer*
2020 USC's Office of the Vice-President of Research, *ASPIRE Proposal Reviewer*
2020 – 21 South Carolina Statewide COVID-19 Rapid Innovation Task Force, *Public Health Co-Lead*
2020 – 21 South Carolina Statewide COVID-19 Task Force, *Epidemiology Data Monitoring UofSC Team Lead*
2020 – 22 USC's COVID-19 Management and Recovery Planning, *Team Lead*
2020 – 23 USC's Association of Public Health Infectious Disease Students, *Founding Faculty Advisor*
2021 – 24 USC's Big Data Health Sciences Center, *Geospatial Sciences Core Director*
2021 – 24 USC's Faculty Senate, Committee on Honorary Degrees, *Elected Member*
2021 -- USC's Marshall Scholarship Committee, *Invited Member*
2021 -- USC's Education Abroad Office's Student International Travel Oversight Committee, *Invited Member*
2022 USC's Office of the Vice-President of Research, *ASPIRE Proposal Reviewer*
2022 – 24 USC's Associate Vice President & Vice Provost of Global Affairs Search Committee, *Appointed Member*
2023 USC's Office of the Vice-President of Research, *Magellan Scholar Proposal Reviewer*
2025 USC's Office of the Vice-President of Research, *ASPIRE Proposal Reviewer*
2025 – 28 USC's Faculty Senate, *Department Representative*
2026 USC's Associate Vice President & Vice Provost of Global Affairs Search Committee, *Appointed Member*
2026 – 27 USC International Engagement Strategic Planning Taskforce, *Provost Appointed Member*
2026 – 29 USC's Faculty Senate's Information Technology Subcommittee, *Co-Chair (26-27), Chair (27-28) and Chair Ex-Officio (28-29)*
2026 – 29 USC's Instrumentation Resource Facility Advisory Committee, *Invited Member*

College Level

- 2018 – 19 USC Greenville's Monthly Research Seminar, *Co-Lead Organizer*
2020 – 22 ASPH's Mu Chapter, Delta Omega Honorary Public Health Society, *Nominated and Elected Member*
2022 – 24 Arnold School of Public Health (ASPH), Service Award Selection Committee, *Appointed Member*
2022 ASPH's Office of Research, Research Director Search Committee, *Appointed Member*
2025 – 28 ASPH's Research Award Selection Committee, *Appointed Member*
2026 – 27 ASPH Dean's Internal Faculty Advisory Council, *Appointed Member*

Department Level

- 2018 – 19 Department of Epidemiology and Biostatistics' Faculty Search Committee, *Appointed Member*
2018 – 21 Department of Epidemiology and Biostatistics' Admissions Committee, *Appointed Member*
2020 -- 21 Department of Epidemiology and Biostatistics, Research Committee, *Appointed Member*
2021 – 23 Department of Epidemiology and Biostatistics' Faculty Search Committee, *Appointed Member*
2021 – 25 Department of Epidemiology and Biostatistics' Curriculum Committee, *Appointed Member*
2025 – 26 Department of Epidemiology and Biostatistics' Faculty Search Committee, *Committee Chair*

Community Service Affiliations

2010 – 16 Big Brothers Big Sisters of Houston (TX), *Mentor*
2011 Harris County (TX) Psychiatric Center, *Tutor*
2014 – 16 Pershing Middle School of Girls Youth Lacrosse, *Coach*
2015 – 16 Villas on Hempstead, Home Owners Association Board of Directors, *Vice President*
2016 – 18 Rice University-Baker Institute Civic Scientists, *Fellow*
2018 – 19 Junior League of Greenville, Economic Mobility Advocacy Committee, *Member*
2018 – 19 Nicholtown Neighborhood Association, *Member*
2019 – 20 Junior League of Columbia, Transfer Committee, *Member*
2019 – 25 Elmwood Park Neighborhood Association, *Member*
2019 -- Transitions Homeless Center, *Standing Volunteer*
2024 – 25 Logan Elementary School, Parent Teacher Organization, *Member*
2024 – 26 Bright Horizons at USC Daycare Board of Trustees, *Nominated Member*
2025 -- Carver-Lyon Elementary School, Parent Teacher Organization, *Member*

Trainee Mentorship and Advisement

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

Mid-Career Faculty

2023 – 24 Yu Nakagama, BM, PhD, (Osaka Metropolitan University), *Sabbatical Preceptor*

Junior Faculty

2021 – 22 Stella Self, PhD, (UofSC-ASPH), *NIH R25 Faculty Mentor*

2022 – 23 Mufaro Kanyangarara, PhD, (UofSC-ASPH), *NIH R25 Faculty Mentor*

2023 – 24 Matt Haldeman, MD, (UofSC-SOM), *Faculty Fellowship Mentor*

2023 – 24 Matt Haldeman, MD, (UofSC-SOM), *PROPEL Grant Writing Faculty Mentor*

2023 – 24 Tad Dallas, PhD, (UofSC-CAS), *PROPEL Grant Writing Faculty Mentor*

2023 – 24 Pieter Baker, PhD, (UofSC-ASPH), *PROPEL Grant Writing Faculty Mentor*

2023 – 25 Devin Bowes, PhD, (UofSC-ASPH), *NIH U54 Faculty Mentor*

2024 – 25 Leila Larson, PhD, (UofSC-ASPH), *NIH R25 Faculty Mentor*

2024 – 26 Brandon Hollingsworth, PhD, (UofSC-ASPH), *Bridge-to-Faculty Program Faculty Mentor*

2024 – 26 Xueying Yang, PhD, (UofSC-ASPH), *Junior Faculty Mentorship Committee Member*

2024 – 27 Kyndall Dye-Braumuller, PhD, (UofSC-ASPH), *Primary Research Assistant Professor Faculty Mentor*

2025 – 26 Pengfei Guo, (UofSC-ASPH), *PROPEL Grant Writing Faculty Mentor*

2025 – 26 Brandon Hollingsworth, (UofSC-ASPH), *PROPEL Grant Writing Faculty Mentor*

2025 – 26 Kyndall Dye-Braumuller, (UofSC-ASPH), *PROPEL Grant Writing Faculty Mentor*

Clinical Fellows

2018 – 19 Darla McCain, MD, (Prisma Health), *Developmental Pediatrics Fellowship Research Committee Member*

2018 – 19 Matt Haldeman, MD, (Prisma Health), *Preventative Medicine Fellowship Committee Member*

2020 – 22 Ifeanyi Nwadukwe, MD, (Prisma Health), *Preventative Medicine Primary Fellowship Advisor*

2025 – 26 Ximena Fernandez Lango, MD, (Prisma Health), *Infectious Diseases Fellowship Research Advisor*

2025 – 26 Claudia Nieuwoudt, MD, (Prisma Health), *Maternal-Fetal Medicine Fellowship Research Committee Member*

2025 – 26 Nicole Sunshine, PharmD, (Prisma Health), *Infectious Disease Clinical Pharmacy Fellowship Research Committee Member*

Post-Doctoral Fellows

2021 – 27 Huixuan Li, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*

2022 – 24 Kyndall Dye-Braumuller, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*

2023 – 24 Katie Lynn, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*

2023 – 25 Lidia Gual-Gonzalez, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*

2025 – 26 Emily Owens Pickle, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*

2025 – 26 Kirsti Gilmore, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*

Doctoral Students (PhD, MD, and PharmD)

2019 Daniel Lee, (UofSC-SOM), *Summer Research Advisor*

2019 – 21 Jessica Purser, (UofSC-ASPH), *PhD Dissertation Committee Member (HSPM)*

2019 – 22 Kyndall Braumuller, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*

2019 – 22 Katie Lynn, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*

2019 – 26 Megan Davis, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*

2020 Aidan Warner, (UofSC-SOM), *Summer Research Advisor*

2020 Tyler Bunting, (UofSC-SOM), *Summer Research Advisor*

2020 – 23 Lidia Gual Gonzalez, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*

2021 – 22 Andres Gaviria-Figueroa, (UofSC-ASPH), *PhD Dissertation Committee Member (ENHS)*

2021 – 22 Kateryna Parkhomenko, (UofSC-COP), *PharmD Thesis Committee Member*
 2021 – 24 Maggie McCarter, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*
 2022 – 24 Vanessa Caiazzo, (NYU-SW), *NIH T42 Advisor and PhD Dissertation Committee Member*
 2022 – 25 Emily Owens Pickle, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*
 2022 – 25 Kirsti Gilmore, (UofSC-ASPH), *Primary PhD & NIH T32 Advisor and Dissertation Chair*
 2022 Mary Parker, (UofSC-SOM), *SOAR Research Advisor*
 2022 Brendan Case, (UVM-CS), *Primary NIH T35 Advisor*
 2023 – 26 Grant Thomas Foster, (UofSC-CAS), *PhD Dissertation Committee Member*
 2024 Kalan Ferate, (UofSC-SOM), *SOAR Research Advisor*
 2024 Kyla Manning, (UofSC-SOM), *SOAR Research Advisor*
 2024 Lauren Holian, (UofSC-CAE), *NIH T35 Summer Research Advisor*
 2024 – 25 Hanson Cowan, (Vanderbilt), *ASTMH Ben Kean Award Research Advisor*
 2024 – 25 Rebecca Prisco, (UofSC-ASPH), *Primary PhD & NIH T32 Advisor and Dissertation Chair*
 2024 – 26 Nyame Mustapha Murtala, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*
 2024 – 27 Sean Sweeney, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*
 2025 Annelise Shick, (UofSC-SOM), *SOAR Research Advisor*
 2025 – 26 Salome-Joelle Gass, (UofSC-ASPH), *PhD Dissertation Committee Member (HSPM)*
 2025 – 27 Shehirbano Akhtar, (UofSC-ASPH), *PhD Dissertation Committee Member (HSPM)*
 2026 Ruben Hovhannisyan, (August University), *NIH T35 Summer Research Advisor*

Masters Students (MPH, MSPH and MS)

2018 – 19 Sam Christmus, (UofSC-ASPH), *MS Thesis Committee Member (ENHS)*
 2018 – 19 Kyle Hatcher, (UofSC-ASPH), *Primary MSPH Advisor and Thesis Chair*
 2019 – 20 Brianna Tennie, (UofSC-ASPH), *Primary MPH Advisor*
 2020 – 21 Julia Scott, (UofSC-ASPH), *MPH Thesis Committee Member*
 2020 – 21 Hanson Cowan, (Universidad de Antioquia), *MS Thesis Committee Member*
 2020 – 22 Danielle Johnson, (UofSC-ASPH), *Primary MSPH Advisor and Thesis Chair*
 2021 – 22 Megan Peebles, (UofSC-ASPH), *MPH Practicum Advisor*
 2021 – 22 Will Williamson, (UofSC-ASPH), *GRA Advisor and MPH Practicum Advisor*
 2022 – 23 Garrett Moss, (UofSC-ASPH), *MS Thesis Committee Member*
 2022 Maxwell Le May, (Brown SPH), *MPH Practicum Advisor*
 2023 Samantha Rieche, (UofSC-ASPH), *MPH Practicum Advisor*
 2023 Kayla Bramlett, (UofSC-ASPH), *MS Thesis Committee Chair*
 2023 – 24 Sean Sweeney, (UofSC-ASPH), *MS Thesis Committee Chair*
 2024 – 25 Allison Hughes, (UofSC-ASPH), *MS Thesis Committee Chair*

Undergraduate Students

2019 Katie Hicks, (Furman), *Research Internship Advisor*
 2019 Arianna Milicia, (Furman), *Summer Research Internship Advisor*
 2019 – 20 Darby Nugent, (UofSC-ASPH), *Magellan Research Advisor*
 2019 – 20 McKenzi Norris, (UofSC-ASPH), *Magellan Research Advisor*
 2019 – 20 Danielle Johnson, (UofSC-ASPH), *Magellan Research Advisor*
 2020 Julia Fuller, (UofSC-HC), *Honors Thesis Committee Member*
 2020 – 21 Madlyn Wills, (UofSC-ASPH), *Research Internship Advisor*
 2020 – 23 Hanna Waltz, (UofSC-HC), *Magellan Research Advisor & Honors Thesis Primary Advisor*
 2021 – 22 Natalie Brown, (UofSC-CAS), *Magellan Research Advisor*
 2021 – 22 Lauren Turner, (UofSC-ASPH), *SMART Research Advisor & Magellan Research Advisor*
 2021 – 22 Bryceson Hernandez, (NCCU), *SMART Research Advisor*
 2021 – 22 Josie Morrissey, (UofSC-ASPH), *Magellan Research Advisor*
 2021 Bridget Karably, (UofSC-ASPH), *CDC-COE Research Intern Advisor*

2021 Breanna Greenwood, (UofSC-ASPH), *CDC-COE Research Intern Advisor*
 2021 Emily Morrison, (UofSC-ASPH), *CDC-COE Research Intern Advisor*
 2021 Michael Yan, (UofSC-ASPH), *CDC-COE Research Intern Advisor*
 2022 – 23 Anna Dill, (UofSC-HC), *Honors Thesis Primary Advisor*
 2022 – 23 Titi Abiodun, (UofSC-ASPH), *SMART Research Advisor*
 2022 – 23 Kaaliyah Harris, (UofSC-ASPH), *SMART Research Advisor*
 2022 – 23 Heny Patel, (UofSC-HC), *Honors Thesis Primary Advisor*
 2022 – 23 Hannah Morgan, (UofSC-HC), *Honors Thesis Secondary Advisor*
 2022 – 25 Laura Witt, (UofSC-ASPH), *Magellan Research Advisor & Honors Research Grant & Thesis Advisor*
 2022 Addison Blockman, (UofSC-ASPH), *Research Internship Advisor*
 2022 Ahalya Muraleedharan, (UofSC-HC), *Honors Research Grant Advisor*
 2023 Emily Washington (Morris College), *Summer Research Advisor*
 2023 – 24 Elba ‘Sofie’ Fridriksson (UofSC-CAE), *Summer and Magellan Research Advisor*
 2024 Honesty Harris (Columbia College), *NIH R25 Summer Research Advisor*
 2025 Neha Rayala, (UofSC-HC), *Honors Thesis Primary Advisor*
 2025 Mallorie Rice, (UofSC-HC), *Honors Thesis Secondary Reader*
 2025 – 27 Ana Iglesias, (UofSC), *Primary Undergraduate Research Advisor*
 2025 – 27 Riley Moore, (UofSC), *Primary Undergraduate Research Advisor*
 2025 – 27 Lily McGowan, (UofSC), *Primary Undergraduate Research Advisor*
 2026 Quinn Schreiber, (UofSC-Aiken), *Summer Research Advisor*
 2026 Kendall Guthrie, (Midlands Tech), *Summer Research Advisor*

High School Students

2020 – 21 Joe French, (Heathwood Hall Episcopal), *Senior Thesis Committee Mentor*
 2024 Mikenna Cooper (Governor’s High School for Science and Math), *Summer Research Advisor*

**UofSC=University of South Carolina; ASPH=Arnold School of Public Health; COP=College of Pharmacy; NYU=New York University; SW= Social Work; UVM=University of Vermont; CS= Computer Science; SOM=School of Medicine; Brown SPH=Brown University School of Public Health; HSPM=Health Science Policy Management; ENHS=Environmental Health; HC=Honors College, CAS=College of Arts and Sciences, NCCU=North Carolina Central University, SMART=Support for Minority Advancement in Research Training

Honors, Awards and Grants Received by Staff, Current and Former Trainees

Junior Faculty

- Matt Haldeman
 - Emerging Physician Scientist Faculty Fellowship, University of South Carolina's School of Medicine's Research Center for Transforming Health, \$29,726, *January 2023 - March 2024*
- Stella Self
 - National Institutes of Health-R01, \$3,720,501, *December 2023 - November 2028*
- Kyndall Dye-Braumuller
 - ASPIRE grant, University of South Carolina, \$25,000, *July 2025 – June 2026*
- Brandon Hollingsworth
 - Department of Defense-MTEC, \$3,210,000, *October 2025 - September 2028*

Postdoctoral Fellows

- Lidia Gual Gonzalez
 - Racial Justice and Equity Research Fund, University of South Carolina's Office of the Vice-President for Research, \$15,000, *January 2024-May 2025*
 - Conference Travel Scholarship, American Society of Rickettsiology, \$500, *April 2024*
 - Alumni Award for Excellence in Contributions to Access and Collective Engagement, Arnold School of Public Health, \$1,000, *May 2025*
- Katie Lynn
 - 2024 Postdoctoral Fellowship for Research in Japan, Japan Society for the Promotion of Science & the US National Institute for Health, \$8,000, *May 2024*
- Huixuan Li
 - 2025 Postdoctoral Research Grant, Arnold School of Public Health, \$5,000, *July 2025 – June 2026*
- Madeleine Meyer
 - L70 Research in Emerging Areas Critical to Human Health, \$100,000, *September 2025 – August 2027*
- Emily Owens Pickle
 - Alpha-gal Syndrome Landscape Analysis, Foundation for Food and Agriculture Research, \$10,000, *October 2025 – April 2026*

Doctoral Students

- Katie Lynn
 - American Committee of Molecular, Cellular and Immunoparasitology Travel Award for Advanced Training, American Society of Tropical Medicine and Hygiene, \$1,000, *June 2019*
 - Maternal Child Health Catalyst Program's Best Graduate Student Poster, University of South Carolina, \$50, *April 2021*
 - SPARC (Support to Promote Advancement of Research and Creativity) Graduate Research Grant, University of South Carolina, Office of the Vice-President of Research, \$3,900, *December 2021 – December 2022*
 - Maternal and Child Health Catalyst Program Graduate Scholar Award, University of South Carolina, \$3,000, *April 2022 – May 2023*
- Kyndall Dye-Braumuller
 - Arnold Graduate Fellowship, University of South Carolina's Arnold School of Public Health, \$30,000, *August 2019 – May 2021*

- Dr. Bruce A Harrison Outstanding Student Award, Mid-Atlantic Mosquito Control Association, \$500, *February 2020*
- American Committee of Medical Entomology's 2021 Annual American Society of Tropical Medicine and Hygiene Scientific Conference Travel Scholarship, \$900, *July 2021*
- 2022 Breakthrough Graduate Scholars Award, University of South Carolina, Office of the Vice-President of Research, *January 2022*
- Discovery Day 2022 Graduate Student Presentation-1st place winner, University of South Carolina, Office of the Vice-President of Research, *April 2022*
- Doctoral Achievement Award, University of South Carolina's Arnold School of Public Health, *May 2022*
- Emily Owens Pickle
 - Arnold Graduate Fellowship, University of South Carolina's Arnold School of Public Health, \$10,000, *August 2022 – July 2023*
 - SPARC (Support to Promote Advancement of Research and Creativity) Graduate Research Grant, University of South Carolina, Office of the Vice-President of Research, \$5,000, *May 2024 – May 2025*
- Lidia Gual Gonzalez
 - Comstock Award, Entomological Society of America, \$3,000, *August 2022*
 - University of South Carolina's Office of Graduate School, Travel Award, \$500, *September 2022*
 - SPARC (Support to Promote Advancement of Research and Creativity) Graduate Research Grant, University of South Carolina, Office of the Vice-President of Research, \$4,300, *January 2023 – December 2023*
- Hanson Cowan
 - 2024 ASTMH Benjamin H. Kean Travel Fellowship in Tropical Medicine, \$5,000, *May 2024 – May 2025*
- Sean Sweeney
 - Marron Huff Tremblay Science Scholarship, Joshua Tree National Park Foundation, \$5,000, *March 2025 – February 2027*
 - Steven N Blair Horse Collar Fellowship, \$11,000, *August 2025 – July 2026*
 - American Mosquito Control Association Young Professionals' Travel Stipend, \$1,000, *March 2026*
- Nyame Mustapha
 - American Mosquito Control Association Young Professionals' Travel Stipend, \$1,000, *March 2026*

Masters Students

- Brianna Tennie
 - Outstanding Epidemiology Master's Student Award, University of South Carolina's Arnold School of Public Health, *May 2020*
- Katherine Brown
 - Outstanding Epidemiology Master's Student Award, University of South Carolina's Arnold School of Public Health, *May 2024*

Undergraduate Students

- Darby Nugent
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,500, *May 2019 – April 2020*
- Danielle Johnson

- Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$3,000, *January 2020 – August 2020*
- McKenzi Norris
 - Matched Crowdsourcing Research Funds-Undergraduate Student Award, University of South Carolina, Office of the Vice-President of Research \$2,000, *June 2019 – May 2020*
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,500, *May 2020 – April 2021*
- Natalie Brown
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,500, *May 2021 – April 2022*
- Bryceson Hernandez
 - SMART (Support Minority Advancement through Research Training) Research Award, University of South Carolina, Office of the Vice-President of Research, \$1,000, *June 2021 – May 2022*
- Lauren Turner
 - SMART (Support Minority Advancement through Research Training) Research Award, University of South Carolina, Office of the Vice-President of Research, \$1,000, *June 2021 – May 2022*
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,900, *December 2021 – December 2022*
- Hanna Waltz
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research \$2,500, *January – December 2021*
 - Discovery Day 2022 Health Sciences Undergraduate Poster-1st place winner, University of South Carolina, Office of the Vice-President of Research, *April 2022*
 - Magellan Voyager Award, University of South Carolina's Office of Undergraduate Research, \$330, *September 2022*
- Josie Morrissey
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,700, *December 2021 – December 2022*
- Laura Witt
 - Magellan Journey Student Award, University of South Carolina, Office of the Vice-President of Research \$1,000, *March 2022 – February 2023*
 - Research Grant Award, University of South Carolina's Honors College, \$3,000, *June 2022 – May 2023*
 - Magellan Voyager Award, University of South Carolina's Office of Undergraduate Research, \$330, *September 2022*
- Ahalya Muraleedharan
 - Research Grant Award, University of South Carolina's Honors College, \$3,000, *June 2022 – May 2023*
 - Magellan Voyager Award, University of South Carolina's Office of Undergraduate Research, \$330, *September 2022*
- Titi Abiodun

- SMART (Support Minority Advancement through Research Training) Research Award, University of South Carolina, Office of the Vice-President of Research, \$1,000, *June 2022 – May 2023*
- Magellan Voyager Award, University of South Carolina's Office of Undergraduate Research, \$500, *September 2022*
- 2022-2023 Diversity Fellows Award, Arnold School of Public Health, \$1,000, *October 2022- May 2023*
- Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,966, *January 2023 – December 2023*
- Undergraduate Student Award for Excellence in Contributions to Access and Collective Engagement in Research, Arnold School of Public Health, University of South Carolina, \$500, *May 2024*
- Kaaliyah Harris
 - SMART (Support Minority Advancement through Research Training) Research Award, University of South Carolina, Office of the Vice-President of Research, \$1,000, *June 2022 – May 2023*
 - Magellan Voyager Award, University of South Carolina's Office of Undergraduate Research, \$500, *September 2022*
 - Magellan Mini-Grant Award, University of South Carolina's Office of Undergraduate Research, \$500, *December 2022*
- Anna Dill
 - Research Grant Award, University of South Carolina's Honors College, \$450, *September 2022 – August 2023*
 - Magellan Voyager Award, University of South Carolina's Office of Undergraduate Research, \$250, *February 2023*
- Henry Patel
 - Research Grant Award, University of South Carolina's Honors College, \$1500, *September 2022 – August 2023*
 - Senior Thesis Grant Award, University of South Carolina's Honors College, \$572, *March 2023 – August 2023*
- Elba 'Sofie' Fridriksson
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,500, *January 2024 – December 2024*
- Kristina Baus
 - Magellan Undergraduate Student Research Award, University of South Carolina, Office of the Vice-President of Research, \$2,500, *January 2025 – December 2025*

Full-time Staff

- Chloe Rodriguez Ramos
 - Staff Award Recipient for Excellence in Contributions to Diversity, Equity & Inclusion, University of South Carolina's Arnold School of Public Health \$1,000, *May 2022*
- Kia Zellars
 - Staff Award for Excellence in Contributions to Access and Collective Engagement, Arnold School of Public Health, \$1,000, *May 2024*
 - Excellence in Professional Research Staff Award, University of South Carolina, *September 2025*

- Katherine Brown
 - Dodd Short Courses Fellowship, Florida Mosquito Control Association, \$1,000, *January 2025*
 - Travel Stipend Award, American Mosquito Control Association's Washington DC Conference, \$1,000, *March 2025*
 - Cochran Memorial Scholarship for Outstanding Entomology, \$2,000, South Carolina Entomological Society, *October 2025*

Research Grant Funding

Research Funding Garnered as Principal Investigator (in chronological order of start date)

Nolan (PI) 07/01/2017 - 12/31/2018

Sponsor: Texas Children's Hospital Pediatrics Pilot Award

Annual DC: \$50,000 TC: \$50,000

Title: Clinical characterization of acute Chagas disease among rural pediatric patients along the El Salvador-Guatemala border

Main Goal: This investigation defined the clinical manifestations of acute Chagas disease among a cohort of febrile children presenting with palpebral swelling at clinics in Western El Salvador.

Nolan (PD/PI)/Hotez (MPI) 09/01/2017 - 08/31/2021

Sponsor: ExxonMobil Foundation

Annual DC: \$100,000 TC: \$300,000

Title: Geospatial analysis of high-risk areas for vector-borne transmission utilizing satellite imaging technology

Main Goal: Utilizing the remote sensing techniques currently in use by the oil industry, we propose to develop a new model for identification of mosquito-breeding habitats that pose a risk for human disease transmission.

Nolan (PI) 04/16/2018 - 03/31/2019

Sponsor: Thrasher Research Fund

Annual DC: \$25,000 TC: \$25,000

Title: Health evaluation of children with gastrointestinal parasitic-Chagas disease co-infection

Main Goal: We elucidated the influence of co-infection of gastrointestinal parasitic infections and Chagas disease by assessing health indices, cytokine response, and individual's total parasitic count.

Nolan (PI) 09/01/2018 - 12/31/2021

Sponsor: The Brockman Medical Research Foundation

Annual DC: \$200,959 TC: \$883,216

Title: Improving Chagas disease patient diagnosis and health outcomes in the Southwestern United States: Epidemiologic and antigenic characterization of autochthonous cases

Main Goal: 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.

Nolan (MPI) 04/01/2019 - 08/31/2020

Sponsor: Greenville Health System, Transformative Seed Grant

Annual DC: \$20,000 TC: \$20,000

Title: Evaluating the clinical and molecular epidemiology of Klebsiella spp infections in the Upstate region of South Carolina

Main Goal: Our study identified antibiotic resistance and associated clinical characteristics of *Klebsiella* infections within our hospital system and investigated patients with recurrent *Klebsiella* infections to determine how previous antibiotic exposure has driven antibiotic resistance profiles.

Nolan (PI) 05/15/2020 - 05/14/2021

Sponsor: University of South Carolina, Office of the Vice-President of Research, COVID-19 Research Initiative

Annual DC: \$25,000 TC: \$25,000

Title: Clinical, molecular and epidemiological investigations of COVID-19 transmission in the peripartum/postpartum and perinatal/postnatal setting

Main Goal: This grant aims to elucidate the maternal-fetal health outcomes of COVID-19 infection, and the viral kinetics and transmission risk among shared biological samples of mothers and infants.

Nolan (PI) 06/01/2020 - 11/30/2020

Sponsor: Prisma Health System, COVID-19 Seed Grant

Annual DC: \$16,000 TC: \$16,000

Title: SARS-CoV-2 surveillance of asymptomatic pregnant women and comparison of their viral kinetics to symptomatically infected women

Main Goal: This grant will define the testing characteristics of a point-of-care diagnostic for rapid identification of asymptomatically infected women presenting for labor and delivery and compare their viral load decay rate to infected post-partum women with clinically apparent disease.

Nolan (PI) 09/01/2020 - 12/31/2021

Sponsor: U.S. Department of Health and Human Services (SC DHEC), #NU50CK000542

Annual DC: \$499,952 TC: \$1,333,934

Title: Epidemiology and laboratory capacity for prevention and control of emerging infectious diseases

Main Goal: This grant defines the baseline COVID-19 immunity in representative South Carolinian populations and characterizes population-specific transmission dynamics. We aim to provide rigorous population immunity projections to inform public health officials' and policymakers' decisionmaking.

Nolan (PI) 07/01/2021 - 05/31/2025

Sponsor: US Centers for Disease Control (SC DHEC), #OT21-2103

Annual DC: \$1,928,080 TC: \$5,980,832

Title: South Carolina's initiative to address COVID-19 health disparities among populations at high-risk and underserved, including racial and ethnic minority populations and rural communities

Main Goal: This grant develops new lines of public health outreach to communities of Color and performs beta-testing of at-home SARS-CoV-2 surveillance to inform future state public health response.

Nolan (PI) 07/01/2021 - 09/30/2022

Sponsor: University of South Carolina, Office of the Vice-President of Research

Annual DC: \$15,000 TC: \$15,000

Title: Canine tick-borne disease in South Carolina: Filling in the One Health knowledge gap

Main Goal: This grant will define the risk of canine tickborne disease in South Carolina through strategic vector surveillance, pathogen detection and practicing veterinarian knowledge, attitudes, and practices surveys.

Nolan (PD/PI)/Gunter (MPI) 09/01/2021 - 08/31/2026

Sponsor: National Institutes of Health (NIAID), R01AI165560

Annual DC: \$499,999 TC: \$3,280,171

Title: Next generation mosquito control through technology driven trap development and artificial intelligence guided detection of mosquito breeding habitats

Main Goal: Develop new mosquito control traps and geospatial prediction tools to improve the efficiency of vector control response to *Aedes spp* mosquitos.

Nolan (PI) 05/01/2022 - 04/30/2023

Sponsor: Prisma Health System Transformative Seed Grant

Annual DC: \$20,000 TC: \$20,000

Title: Chagas disease seroprevalence among Latinx residents in South Carolina

Main Goal: This serosurvey will assess the prevalence of undiagnosed Chagas disease among patients presenting for clinical care within the Prisma Health system and will generate critical pilot data to inform future Latinx-based clinical education programs to mitigate health disparities.

Dinglasan (PD/PI) – Nolan (Co-PI-Deputy Director) 07/01/2022 - 06/30/2027

Sponsor: U.S. Centers for Disease Control and Prevention, CK000662, (Subcontract from UF)

Annual DC: \$2,000,000 TC: \$10,000,000

Title: CDC Southeastern Center of Excellence in Vector Borne Diseases: The Gateway Program

Main Goal: This is a renewal application for the CDC Southeastern Center of Excellence in Vector-Borne Diseases: Gateway Program (SECVBD) led by the University of Florida; the goal is to maintain our established, comprehensive, applied, and basic research program to further our understanding of VBD transmission to prevent VBDs in the continental U.S. and territories.

Nolan (PI) 07/13/2022 - 07/12/2023

Sponsor: National Science Foundation, The Extreme Science and Engineering Discovery Environment (XSEDE)

Annual DC: \$46,050 TC: \$46,050

Title: Aedes Project: a Machine-learning based Aedes Mosquito Egg Identification and Counting system Request

Main Goal: This computational grant provides access to a novel GUI interface called Exosphere for Jetstream2 processing and long-term storage of images for development of an *Aedes* mosquito egg neural network analysis identification cellphone application.

Nolan (PI) 10/01/2022 – 09/31/2025

Sponsor: South Carolina SmartState Center for Healthcare Quality

Annual DC: \$101,267 TC: \$303,802

Title: The STICK (Sexually Transmitted Infection Concomitance and Kinetics) Study

Main Goal: This translational investigation aims to advance clinical management of concomitant sexually transmitted infected adolescents and young adults through prospective cohort and pathogenetic investigations.

Nolan (PI) 11/18/2022 - 11/17/2023

Sponsor: South Carolina Department of Health and Environmental Control

Annual DC: \$89,996 TC: \$89,886

Title: Pathogen surveillance of metastriate ticks in South Carolina

Main Goal: The Nolan lab developed the only validated metastriate tick multiplex bacterial panel digital PCR assay method and will execute this testing approach for informed public health official decision making.

Nolan (PI) 12/01/2022 - 11/30/2023

Sponsor: Burroughs Wellcome Fund, #1023081

Annual DC: \$50,000 TC: \$50,000

Title: Employing big data methods to elucidate the impact of three decade's extreme weather events on early childhood development in the United States

Main Goal: This grant employs advanced computational and statistical methods to evaluate the relationship between drought and temperature deviations on USA pediatric population's development milestones at the neighborhood level.

Nolan (PD/PI)/Robin Dawson (MPI) 07/01/2023 – 12/31/2026

Sponsor: The Duke Endowment, 7154-SP

Annual DC: \$210,000 TC: \$630,000

Title: Evaluating community health workers' ability to improve the accuracy of early diagnostic testing among rural and minority patients

Main Goal: This award will assess the effectiveness of combined telemedicine-assisted at-home testing among rural, minority residents to increase proactive screening of three diseases that disproportionately affect the poor.

Nolan (PI) 08/15/2023 - 08/14/2027

Sponsor: University of South Carolina, Office of the Vice-President of Research

Annual DC: \$500,000 TC: \$2,000,000

Title: *University of South Carolina Institute of Infectious Disease Translational Research*

Main Goal: This grant will establish an international reputation in infectious disease transdisciplinary research by catalyzing new synergistic collaborations among high-producing faculty and uniting core disciplinary strengths to address key scientific questions that limit our ability to mitigate disease emergence and persistence.

Nolan (PD/PI)- Irvin and Gual Gonzalez (MPI) 01/01/2024 - 05/31/2025

Sponsor: University of South Carolina, Office of the Vice-President of Research

Annual DC: \$15,000 TC: \$15,000

Title: *Reducing vector-borne disease racial disparities through middle school interventions in South Carolina rural schools*

Main Goal: This transdisciplinary grant will aim to reduce racial disparities related to vector-borne disease exposure by executing a tailored educational campaign throughout South Carolina's I-95 corridor (area of greatest multigenerational poverty and high vector-borne disease burdens).

Nolan (PD/PI)- Gregg (co-PI) 01/01/2025 - 06/30/2027

Sponsor: Prisma Health System Transformative Seed Grant

Annual DC: \$20,000 TC: \$20,000

Title: *Elucidating the biological mechanisms of vaginal progesterone on reducing pre-term birth: Does vaginal progesterone alter vaginal microbiome profiles leading to perinatal vaginal homeostasis?*

Main Goal: This prospective study will employ basic science approaches to identify key biological processes that may lead to lower risk of pre-term birth. This proof-of-concept study will test the hypothesis that perinatal vaginal progesterone lowers premature parturition through the alteration of vaginal microbiomes from a *Lactobacillus* lacking to a *Lactobacillus* dominant environment.

Spinale/Hebert (MPI)/ Nolan (Subgrant PI) 03/20/2026 – 03/19/2028

Sponsor: National Institutes of Health, CLINTRUSC Parent Grant, P20GM155896

Annual DC: \$90,000 TC: \$180,000

Title: *Advancing Tick-borne Disease Diagnostics*

Main Goal: This hospital-based surveillance study aims to evaluate the clinical epidemiology of emerging tick-borne infections and identify key genomic targets for enhanced molecular diagnostic tools.

Nakagama (PD/PI)/ Nolan (MPI) 01/01/2026 – 12/31/2028

Sponsor: National Institutes of Health, eASIA program, #HE1406

Annual DC: \$159,658 TC: \$478,975

Title: *Precision Response to unexplained Infections by Metagenomic Enrichment and Detection*

Main Goal: The project aims to discover novel/underappreciated pathogens, synergistic viral interplay, and functional virus-host interactions through metagenomic sequencing (mNGS), and to verify their pathogenic potential through in vitro disease-modeling.

Research Funding Garnered as Co-Investigator

(in chronological order of start date)

Karami (PI) 05/15/2020 - 05/14/2021

Sponsor: University of South Carolina, Office of the Vice-President of Research, COVID-19 Research Initiative

Annual DC: \$25,000 TC: \$25,000

Title: *Explore diseases and chemicals in COVID-19 scholarly articles with data science techniques*

Main Goal: This project will develop a platform to analyze COVID-19 open research database to detect and investigate diseases and explore their trends overtime.

Li and Olatosi (MPI) 08/15/2021 - 08/14/2023

Sponsor: University of South Carolina, Office of the Provost's Excellence Initiative

Annual DC: \$41,194 TC: \$82,388

Title: Big Data Health Sciences Center-GIS Core

Main Goal: This University excellence initiative will accelerate the university's utilization of "big data" and will serve as a campus-wide, interdisciplinary enterprise to conduct cutting-edge, data-driven health research and discovery. It also will offer professional development opportunities, academic training, and research services to industry partners. The GIS core is one of 7 strategically chosen integrated cores to promote multidisciplinary approaches to improving the health of South Carolinians.

Quorllo (PI) 01/01/2022 - 12/31/2023

Sponsor: American Kennel Club, #CHF. 02983

Annual DC: \$68,000 TC: \$68,000

Title: Enhanced detection and characterization of Spotted fever group rickettsia species in dogs and ticks with focus on a novel Rickettsia species infecting clinically ill dogs in the US

Main Goal: This grant will develop a digital droplet PCR for improved detection of SFGR in dogs and characterize a unique and novel SFGR through culture isolation and epidemiological studies.

Zorello Laporta (PI) 02/01/2022 - 01/31/2027

Sponsor: Fundação de Amparo à Pesquisa do Estado de São Paulo, #21/06669-6

Annual DC: \$82,832 TC: \$414,160

Title: Cohort of zoonotic landscapes influenced by deforestation and land use changes in the Amazon

Main Goal: This grant assesses distinct landscape fragmentation thresholds to the dynamics of transmission of vector-borne diseases (malaria, leishmaniasis, Chagas disease) in the Brazilian Amazonian basin.

Haldeman (PI) 08/15/2022 – 08/14/2023

Sponsor: UofSC Big Data Health Science Center and South Carolina Center for Rural & Primary Healthcare

Annual DC: \$30,000 TC: \$30,000

Title: A two-pronged big data approach to critically analyze Strongyloides stercoralis infections among rural, impoverished South Carolina residents

Main Goal: This Prisma Health chart abstraction study combined with a serosurvey of banked minority and rural resident samples will estimate the rate of helminth infection among vulnerable Southern populations.

Larson (PI) 08/15/2022 – 08/14/2023

Sponsor: UofSC Big Data Health Science Center

Annual DC: \$29,965 TC: \$29,965

Title: Determining a functional hemoglobin threshold to define anemia in children and women

Main Goal: This study will identify hemoglobin thresholds associated with optimal health outcomes, such as birth weight, preterm birth, depression, and child developmental milestones, and determine whether the etiology of anemia modifies the hemoglobin thresholds.

Rennert (PI) 01/05/2023 – 11/30/2027

Sponsor: National Institute of Health (NLM), 1 R01 AI168216

Annual DC: \$499,999 TC: \$3,405,970

Title: Developing a dynamic modeling framework for surveillance, prediction, and real-time resource allocation to reduce health disparities during Covid-19 and future pandemics

Main Goal: This proposal will develop a dynamic simulation modeling framework for surveillance, prediction, and real-time allocation of essential resources to underserved communities in order to reduce health disparities during Covid-19 and future pandemics.

Li (PD/PI)/ Zhang (MPI) 05/01/2023 – 04/30/2024

Sponsor: National Institute of Health (NIAID), 1 R56 AI174896

Annual DC: \$699,122 TC: \$699,122

Title: Visualizing and predicting new and late HIV diagnosis in South Carolina: A Big Data Approach

Main Goal: This bridge award will strengthen the understanding and visualization of new and late HIV diagnoses, enable the prediction of HIV clusters and outbreaks, and contribute to optimizing strategies for targeted HIV prevention and control.

Rennert (PI) 9/01/2023 – 08/31/2028

Sponsor: US Centers for Disease Control and Prevention, NU38FT000011

Annual DC: \$3,500,00 TC: \$17,500,000

Title: Disease Modeling and Analytics to inform Outbreak Preparedness, Response, Intervention, Mitigation, and Elimination in South Carolina (DMA-PRIME)

Main Goal: This initiative will utilize data-driven approaches to conduct infectious disease forecasting, design decision-support toolkits and enhance methods of communication to public health organizations and decision makers.

Self (PI) 12/01/2023 – 11/30/2028

Sponsor: National Institute of Health (NIAID), 1 R01 AI179840

Annual DC: \$499,999 TC: \$3,720,501

Title: Developing new statistical models for vector-borne disease surveillance to improve accuracy while reducing cost

Main Goal: This project aims to develop statistical models for facilitating cost effective vector-borne disease surveillance through the use of pooled testing and nowcasting.

Larson (PI) 08/12/2025 – 07/31/2027

Sponsor: National Institute of Health (NICHD, NIEHS), R21 HD114012

Annual DC: \$378,140 TC: \$378,140

Title: Using big data to understand the influence of extreme weather events on child health and development in the United States

Main Goal: This grant employs advanced computational and statistical methods to evaluate the relationship between drought and temperature deviations on USA pediatric population's development milestones at the neighborhood level.

Aguero (PI) 09/09/2025 – 08/31/2030

Sponsor: National Institute of Health (NIAID), 1R01AI183396

Annual DC: \$133,746 TC: \$668,730

Title: High-throughput analysis of dynamics of antibody responses against defined epitopes: prioritization of diagnostic and prognostic markers for Chagas disease

Main Goal: This proposal continues our work on enhanced serologic diagnostic assay development comprehensive of all circulating *Trypanosoma cruzi* discrete typing units causing human infection.

Cross & Hollingsworth (PI) 10/01/2025 – 09/30/2028

Sponsor: Medical Technology Enterprise Consortium (MTEC)/Department of Defense

Annual DC: \$1,067,000 TC: \$3,210,000

Title: A pathogen- and vector-agnostic workflow for vector-borne disease diagnostics, detection, and early outbreak response

Main Goal: The purpose of this Department of Defense sponsored program is to develop novel sequencing and bioinformatic techniques that can be implemented into infectious disease risk models for vector-borne diseases in the Southeast Asia region.

Grier (PI) 07/01/2026 – 12/31/2027

Sponsor: University of South Carolina, Office of the Vice-President of Research

Annual DC: \$20,000 TC: \$20,000

Title: ASPIREinG: Profiling human immune responses to insect-specific arboviruses of unknown pathogenicity

Main Goal: This grant will evaluate innate immune responses to mosquito-specific viruses in vitro and characterize immune profiles of arbovirus-infected individuals to understand the relationship between immune signatures and pathogenicity by these arboviruses.

Peer-Reviewed Publications

(listed in chronological order by publication date) *denotes undergraduate student author, **denotes graduate student author, ***denotes post-doctoral or clinical fellow trainee, [†]denotes senior author role

1. **Nolan MS**, Zangeneh A, Khuwaja SA, Martinez D, Rossmann SN, Cardenas V, Murray KO. Proximity of residence to bodies of water and risk for West Nile virus infection: A case-control study in Houston, Texas. Special Issue: Advances in Arboviral Surveillance, Detection, and Diagnosis. *J Biomed Biotechnol* 2012; 2012:159578
2. **Nolan MS**, Hause AM, Murray KO. Findings of long-term depression up to 8 years post-West Nile virus infection: the Houston West Nile virus cohort. *J Clin Psychol* 2012; 68(7):801-808.
3. **Nolan MS**, Podoll AS, Hause AM, Akers KM, Finkel KW, Murray KO. Prevalence of chronic kidney disease and progression of disease over time among patients enrolled in the Houston West Nile virus cohort. *PLoS One* 2012; 7(7):e40374.
4. **Nolan MS**, Schuermann J, Murray KO. West Nile virus infection among human, Texas, USA, 2002-2011. *Emerg Infect Dis* 2013; 19(1):137-139.
5. Murray KO, Ruktanonchai D, Hesalroad D, Fonken E, **Nolan MS**. The 2012 Outbreak of West Nile virus in Texas. *Emerg Infect Dis* 2013; 19(11):1836-1838.
6. Murray KO, **Garcia MN**, Yan C, Gorchakov R. Persistence of detectable immunoglobulin M antibodies up to 8 years after infection with West Nile virus. *Am J Trop Med Hyg* 2013; 89(5):996-1000.
7. Qian F, Thakar J, Yuan X, **Nolan M**, Murray K, Lee B, Wong S, Meng H, Kleinstein SH, Montgomery RR. Immune markers associated with host susceptibility to infection with West Nile virus. *Viral Immunol* 2014; 27(2): 39-47.
8. Beaumier C, **Garcia MN**, Murray KO. The History of Dengue in the United States and its Recent Emergence. *Curr Trop Med Rep* 2014; 1:32-35.
9. Wilking A, Elliott E, **Garcia MN**, Murray KO, Munoz F. Central Nervous System Manifestations in Pediatric Patients with Influenza A H1N1 Infection during the 2009 Pandemic. *Pediatr Neurol* 2014; 51: 370-376.
10. **Garcia MN**, Hause AM, Walker CM, Orange JS, Montgomery R, Hasbun R, Murray KO. Evaluation of prolonged fatigue post-West Nile virus infection and association of fatigue with elevated antiviral and proinflammatory cytokines. *Viral Immunol* 2014; 27(7):1-7.
11. **Garcia MN**, Murray KO, Hotez PJ. Novel Mechanisms of Autochthonous and Sylvatic Transmission of Human Chagas Disease in the United States. *Parasit Vectors* 2014; 7(1):311.
12. Murray KO, **Garcia MN**, Rahbar MH, Martinez D, Khuwaja SA, Arafat RR, Rossmann S. Survival analysis, long-term outcomes, and percentage of recovery up to 8 years post-infection among the Houston West Nile virus cohort. *PLoS One* 2014; 9(7):e102953.

13. **Garcia MN**, Murray KO, Woc-Colburn L, Rossmann S, Townsend RL, Stramer SL, Bravo M, Kamel H, Beddard R, Townsend M, Oldham R, Botazzi ME, Hotez PJ. Trypanosoma cruzi screening in Texas blood donors, 2008-2012. *Epidemiol and Infect* 2014: 1-4.
14. Cardoso RN, Macedo FY, **Garcia MN**, Garcia DC, Benjo AM, Aguilar D, Jneid H, Bozkurt B. Chagas cardiomyopathy is associated with higher incidence of stroke: a meta-analysis of observational studies. *J Card Fail* 2014; 20(12):931-938.
15. **Garcia MN**, Murray KO, Hotez PJ, Rossmann S, Gorchakov R, Ontiveros A, Woc-Colburn L, Botazzi ME, Rhodes CE, Ballantyne CM, Aguilar D. Development of Chagas Cardiac Manifestations Among Texas Blood Donors. *Am J Cardiol* 2015: 115(1):113-117.
16. **Garcia MN**, Aguilar D, Gorchakov R, Montgomery SP, Rivera H, Rossman SR, Hotez PJ, Murray KO. Evidence of autochthonous Chagas disease in southeastern Texas. *Am J Trop Med Hyg* 2015: 92(2): 325-330.
17. Qian F, Goel G, Meng H, Wang X, You F, Devine L, Raddasi K, **Garcia MN**, Murray KO, Bolen CR, Gaujoux R, Shen-Orr SS, Hafler D, Fikrig E, Xavier R, Kleinstein SH, Montgomery RR. Systems immunology reveals markers of susceptibility to West Nile virus infection. *Clin Vaccine Immunol* 2015: 22(1): 6-16.
18. Weatherhead JE, **Garcia MN**, Miller VE, Hasbun R, Salazar L, Dimachkie M, Murray KO. Long-term neurologic outcomes among patients with a history of West Nile virus infection. *Am J Trop Med Hyg* 2015: 92(6): 1006-1012.
19. **Garcia MN**, Hasbun R, Murray KO. Persistence of West Nile virus. *Microbes Infect* 2015: 17(2): 163-168.
20. **Garcia MN**, Philpott D, Murray KO, Ontiveros A, Revell P, Chandramohan L, Munoz-Rivas F. Clinical Characteristics of the Pandemic H1N1 Influenza Virus Associated with Hospitalization in a Pediatric Population. *Epidemiol Infect* 2015: 2: 1-11.
21. **Garcia MN**, Wagner J, Murphy SK, Gross A, Murray KO. Knowledge, attitudes and practices of Texas hunters: a potentially high risk group for Chagas disease transmission. *Parasi Vectors* 2015: 8: 197.
22. **Garcia MN**, Woc-Colburn L, Aguilar D, Hotez PJ, Murray KO. Historical perspectives on the epidemiology of human Chagas disease in Texas: recommendations for enhanced understanding of clinical Chagas disease in the southern United States. *PLoS Negl Trop Dis* 2015: 9: e0003981
23. Murray KO, Fischer RS, Chavarria D, Duttman C, **Garcia MN**, Gorchakov R, Gross S, Hotez PJ, Jiron W, Leibler JH, Lopez J, Mandayam S, Marin A, Sheleby J. Mesoamerican Nephropathy: A Neglected Tropical Disease with an Infectious Etiology? *Microbes Infect* 2015: 17: 671-675
24. **Garcia MN**, Hernandez D, Gorchakov R, Murray KO, Hotez PJ. The 1899 Kissing Bug Outbreak in the United States. *PLoS Negl Trop Dis* 2015: 9: e004117
25. Tsioris KN, Gupta A, Ogunniyi O, Zimnisky RM, Qian F, Yao Y, Wang X, Stern JNH, Chari R, Briggs AE, Clouser CR, Vigneault F, Church GM, **Garcia MN**, Murray KO, Montgomery RR, Kleinstein SH, Love JC. Neutralizing antibodies against West Nile virus identified directly from human B cells by single-cell analysis and next generation sequencing. *Integr Biol (Camb)* 2015: 7: 1587-1597
26. Gunter SM, Jones KM, Zhan B, Essigmann HT, Murray KO, **Garcia MN**, Gorchakov R, Bottazzi ME, Hotez PJ, Brown EL. Identification and Characterization of the *Trypanosoma cruzi* B-cell Superantigen Tc24. *Am J*

27. Hasbun R, **Garcia MN**, Kellaway J, Baker L, Salazar L, Murray KO. West Nile virus retinopathy and associations with long term neurological and neurocognitive sequelae. *PLoS One* 2016; 11: e0148898
28. Gorchakov R, Trosclair LP, Wozniak EJ, Feria TP, **Garcia MN**, Gunter SM, Murray KO. Trypanosoma cruzi infection prevalence and bloodmeal analysis in Triatomine vectors of Chagas disease from rural peridomestic locations in Texas, 2013-2014. *J Med Entomol* 2016; 53: 911-918
29. Vanichanan J, Salazar L, Wootton SH, Aguilera E, **Garcia MN**, Murray KO, Hasbun R. Underutilization of West Nile virus and other arbovirus testing in patients with meningitis and encephalitis. *Emerg Infect Dis* 2016; 22(9). doi: 10.3201/eid2209.152050.
30. **Garcia MN**, Nelson SK, Wolf N, Asojo O. Female secondary education is imperative for improved health outcomes in Nigeria. *Science Open Research* 2016. doi: 10.14293/s2199-1006.1.sor-med.arjtjp.v1
31. Lopez JE, Krishnavajhala A, **Garcia MN**, Bermudez S. Tick-borne relapsing fever spirochetes in the Americas. *Vet Sci* 2016; 3(16): doi:10.3390/vetsci3030016
32. **Garcia MN**[†], ODay S, Fischer-Hoch, S, Gorchakov R, Patino R, Feria TP, Laing S, Lopez JE, Ingber A, Jones KM, Murray KO. One Health interactions of Chagas disease vectors, mammalian reservoirs and human residents along the Texas-Mexico Border. *PLoS Negl Trop Dis* 2016; 10(11): e0005074
33. Murray KO, Evert N, Mayes B, Fonken E, Erickson T, **Garcia MN**, Sidwa T. Typhus group rickettsiosis in Texas. *Emerg Infect Dis* 2016; 23(4): 645-648.
34. Baldwin NL, Murray KO, **Garcia MN**, Light KC, Bateman L. Treatment of postural orthostatic tachycardia syndrome and management of myalgic encephalomyelitis/chronic fatigue syndrome following West Nile virus infection. *Fatigue: Biomedicine, Health, and Behavior* 2016; 4: 226-236.
35. Gunter SM**, Brown EL, Gorchakov R, Murray KO, **Garcia MN**[†]. Historical perspective of Domestic and Wildlife Mammalian Reservoirs for Trypanosoma cruzi in Texas. *Zoonoses Public Health* 2016: doi:10.1111/zph.12330
36. Gunter SM**, Murray KO, Gorchakov R, Beddard R, Rossmann SN, Montgomery SP, Rivera H, Brown EL, Aguilar D, Widman LE, **Garcia MN**[†]. South-Central Texas: A potential endemic area of autochthonous Trypanosoma cruzi transmission to humans. *Emerg Infect Dis* 2017; 23(3): 500-503.
37. Murray KO, Gorchakov R, Carlson AR, Berry R, Lai L, Natrajan M, **Garcia MN**, Boom J, Correa A, Patel SM, Agaard K, Mulligan M. Prolonged detection of Zika virus in vaginal secretions and whole blood. *Emerg Infect Dis* 2017; 23(1): 99-101.
38. Svarch AE***, Arce-Salinas CA, Amaya JL, **Garcia MN**[†]. Leptospirosis in tropical regions of southeast Mexico: A clinical case series. *Curr Trop Med Rep* 2017. doi: 10.1007/s40475-017-0104-s.
39. Athar P, Hasbun R, **Garcia MN**, Salazar L, Woods S, Sheikh K, Murray KO. Long-term neuromuscular outcomes of West Nile virus infection: a clinical and electromyograph evaluation of patients with a history of infection. *Muscle Nerve* 2017: doi 10.1002/mus.25660

40. **Garcia MN**[†], Gorchakov R, Gunter S, Murray KO, Herrera CP. Molecular identification and genotyping of *Trypanosoma cruzi* DNA from serology of autochthonous Chagas disease patients in Texas, USA. *Infect Genet Evol* 2017;49: 151-156.
41. Yao Y, Strauss-Albee DM, Zhou JQ, Malawista A, **Garcia MN**, Murray KO, Blish CA, Montgomery RR. The natural killer cell repertoire to West Nile virus in young and old individuals with or without prior history of infection. *PLoS ONE* 2017; 12(2):e0172625
42. Harris N***, Woc-Colburn L, Gunter SM, Gorchakov R, **Garcia MN**[†]. Autochthonous Chagas disease case report with Arizona residential and southern United States military exposures. *Zoonoses Public Health* 2017; 64(6): 491-493.
43. **Garcia MN**[†], Cropper TL, Gunter SM, Kramm MM, Pawlak MT, Roachell W, Ronca SE, Stidham RA, Webber BJ, Yun HC. Vector-borne diseases of public health importance for personnel on military installations in the United States. *US Army Med Dep J* 2017; 1(17): 90-101.
44. Fischer RSB, Mandayam S, Chavarria D, Vangala C, **Nolan MS**, Gorchakov R, Garcia L, Palma L, Garcia F, Garcia-Trabanino R, Murray KO. Clinical Evidence of Acute Mesoamerican Nephropathy. *Am J Trop Med Hyg* 2017; 97(4): 1247-1256
45. Murray KO, Kolodziej S, Ronca S, Gorchakov R, Navarro P, **Nolan MS**, Podoll A, Finkel K, Mandayam S. Visualization of West Nile virions in urine sediment using electron microscopy and immunogold up to 9 years post-infection. *Am J Trop Med Hyg* 2017; 97(6): 1913-1919
46. Stark PM, Flatt KL, **Nolan MS**, Debboun M. Field cage insecticide resistance tests against *Culex quinquefasciatus* Say (Diptera: Culicidae) in Harris county, Texas. *J Vector Ecol* 2017; 42(2):279-288.
47. Erickson T, da Silva J, **Nolan MS**, Marquez L, Munoz F, Murray KO. Newly Recognized Pediatric Cases of Typhus Group Rickettsiosis, Houston, Texas. *Emerg Infect Dis* 2017; 23(12): 2068-2071.
48. Murray KO, **Nolan MS**, Ronca S, Datta S, Govindarajan K, Narayana PA, Salazar L, Woods SP, Hasbun R. The neurocognitive and MRI outcomes of West Nile virus infection: Preliminary Analysis Using an External Control Group. *Front Neurol* 2018; 9:111
49. Ingber A, **Garcia MN**, Leon J, Murray KO. Chagas disease knowledge and risk behaviors of the homeless population in Houston, Texas. *J Racial Ethn Health Disparities* 2018; 5(2): 229-234.
50. Gunter SM***, Cordray C, Gorchakov R, Grose I, Dittmar B, Brown EL, Murray KO, **Nolan MS**[†]. Identification of White-tailed deer (*Odocoileus virginianus*) as a novel reservoir species for *Trypanosoma cruzi* in Texas. *J Wildl Dis* 2018; 54(4):814-818.
51. Olive JK**, Hotez PJ, Damania A, **Nolan MS**[†]. The state of the antivaccine movement in the United States: A focused examination of nonmedical exemptions in states and counties. *PLoS Med* 2018; 15(6):e1002578
52. Sheppard DP, Woods SP, Hasbun R, Salazar L, **Nolan MS**, Murray KO. Does intra-individual neurocognitive variability relate to neuroinvasive disease and quality of life in West Nile virus? *J Neurovirol* 2018; 24(4): 506-513.
53. **Nolan MS**[†], Aguilar D, Brown E, Ronca SE, Gunter SM, Murray KO, Hanis C. Continuing evidence of Chagas disease along the Texas-Mexico border. *PLoS Negl Trop Dis* 2018; 12(11):e0006899

54. Dye-Braumuller KC, Gorchakov R, Gunter SM, Neilsen DH, Roachell WD, Wheless A, Debboun M, Murray KO, **Nolan MS**[†]. Identification of triatomines and their habitats in a highly developed urban environment *Vector Borne Zoonotic Dis* 2018; doi: 10.1089/vbz.2018.2352
55. Ronca SE, Murray KO, **Nolan MS**[†]. West Nile virus cumulative incidence and estimated national seroprevalence in the continental United States: 1999-2016. *Emerg Infect Dis* 2019; 25(2): 325-327.
56. Philpott DCE, **Nolan MS**, Evert N, Mayes B, Healroad D, Fonken E, Murray KO. Acute and delayed deaths after West Nile virus infection, Texas, USA, 2002-2012. *Emerg Infect Dis* 2019; 25(2).
57. Gorchakov R, Gulas-Wroblewski BE, Ronca SE, Ruff JC, **Nolan MS**, Berry R, Alvarado RE, Gunter SM, Murray KO. Optimizing PCR detection of West Nile virus from body fluid specimens to delineate natural history of an infected human cohort. *Int J Med Sci* 2019; 20(8).
58. Kramm M, Montalvo A, Parker I, Lopez R, Gorchakov R, **Nolan MS**[†]. Immunochromatographic antibody screening for diagnosis of *Trypanosoma cruzi* in South Texas Meso-Mammals. *Wildlife Society Bulletin* 2019; 43(4): 678-682.
59. **Nolan MS**[†], Cruz AT, Erickson T. Retrospective chart analysis of child and adolescent *Trichomonas vaginalis* infection in Houston, Texas. *J Pediatric Infect Dis Soc* 2020; 9(1): 75-81. doi: 10.1093/jpids/piy134
60. Gunter SM^{***}, Ronca SE, Sandoval M, Coffman K, Leining L, Gorchakov R, Murray KO, **Nolan MS**[†]. Chagas disease infection prevalence and vector exposure in a high-risk population of Texas hunters. *Am J Trop Med Hyg* 2020; 102(2):294-297. doi: 10.4269/ajtmh.19-0310
61. Haldeman M^{***}, **Nolan MS**[†], Ng'habi K. Human Hookworm Infection: Is Effective Control Possible? A Review of Hookworm Control Efforts and Future Directions. *Acta Trop* 2020; 201 (105214). doi:10.1016/j.actatropica.2019.105214
62. Lynn MK^{**}, Bossak B, Sandifer P, Watson A, **Nolan MS**[†]. Contemporary autochthonous human Chagas disease in the USA. *Acta Trop* 2020; 205: 105361
63. Dye-Braumuller K^{**}, Evans CL, Lynn MK^{**}, Forsyth CJ, Gomez C, **Nolan MS**[†]. Domestic *Triatoma sanguisuga* human exposure in the South Carolina Coastal Region. *Am J Trop Med Hyg* 2020; 103(4): 1487-1489. doi: 10.4269/ajtmh.20-0043
64. **Nolan MS**[†], Lynn MK^{**}, Lacroix R, Brownlee J, Kelly D. Adolescent *Trichomonas vaginalis* in a high-burdened region of the southern United States. *Sex Transm Dis* 2020; 47(7): 499-502.
65. Dye-Braumuller K^{**}, Lynn MK^{**}, Gorchakov R, Gunter SM, Berry RM, Skiles R, Murray KO, **Nolan MS**[†]. Low *Trypanosoma cruzi* transmission risk to humans in the Trans-Pecos region of Texas. *Parasite Epidemiol Control* 2020; 11:e00180. doi: 10.1016/j.parepi.2020.e00180.
66. **Nolan MS**[†], Tonussi Mendes JE, Perez Riera AR, Zorello Laporta G. Oral *Trypanosoma cruzi* Transmission Resulting in Advanced Chagasic Cardiomyopathy in an 11-month-old. *Case Rep Infect Dis* 2020; 2020:8828950. doi: 10.1155/2020/8828950.
67. Hochberg NS, Hamer DH, Marcus R, **Nolan MS**, Meymandi S, Gilman R. Chagas disease in the United States: a perspective on diagnostic testing limitations and next steps. *Amer J Trop Med Hy* 2021; 104(3): 800-804. doi: 10.4269/ajtmh.19-0871

68. Dye-Braumuller K**, Lynn MK**, **Nolan MS**[†]. History of indigenous *Trypanosoma cruzi* infection in humans, animals and triatomines in California, USA. *Zoonoses Public Health* 2021; 68(4): 299-308. doi: 10.1111/zph.12797
69. **Nolan MS**[†], Aguilar D, Misra A, Gunter SM, Erickson T, Gorchakov R, Rivera H, Montgomery S, Murray KO. *Trypanosoma cruzi* in nonischemic cardiomyopathy patients, Houston, Texas, USA. *Emerg Infect Dis* 2021; 27(7). doi: 10.3201/eid2707.203244
70. Erickson T, Munoz FM, Troisi CL, **Nolan MS**, Hasbun R, Brown EL, Murray KO. The epidemiology of meningitis in infants under 90 days of age in a large pediatric hospital. *Microorganisms* 2021; 9(3):526. doi: 10.3390/microorganisms9030526
71. Hansen M, **Nolan MS**, Gorchakov R, Hasbun R, Murray KO, Ronca SE. Unique cytokine response in West Nile virus patients who developed chronic kidney disease: A prospective cohort study. *Viruses* 2021; 13 (311): v13020311.
72. Talavera-Lopez C, Messenger LA, Lewis MD, Yeo M, Reis-Cunha JL, Matos GM, Bartholomeu DC, Calzada JE, Saldana A, Ramirez JD, Guhl F, Ocana-Mayorga S, Costales JA, Gorchakov R, Jones K, **Nolan MS**, Teixeira SMR, Carrasco H, Bottazzi ME, Hotez PJ, Murray KO, Grijalva MJ, Burleigh B, Grisard EC, Miles MA, Andersson B. Repeat-driven generation of antigenic diversity in a major human pathogen, *Trypanosoma cruzi*. *Front Cell Infect Microbiol* 2021; 10.3389/fcimb.2021.614665
73. **Nolan MS**[†], Murray KO, Mejia R, Hotez PJ, Villar Mondragon MJ, Rodriguez S, Palacios R, Murcia Ernesto W, Lynn MK, Torres ME, Monroy Escobar MC. Elevated pediatric Chagas disease burden complicated by concomitant gastrointestinal parasites and malnutrition in El Salvador. *Trop Med Infect Dis* 2021, 6(2): 72. <https://doi.org/10.3390/tropicalmed6020072>.
74. Karami A, Bookstaver B, **Nolan MS**, Bozorgi P. Investigating diseases and chemicals in COVID-19 literature with text mining. *International Journal of Information Management Data Insights*. 2021, 1(2): 100016. <https://doi.org/10.1016/j.ijime.2021.100016>
75. **Nolan MS**[†], Hochberg NS. Chagas disease in HIV-infected patients: It's time to consider the diagnosis. *Am J Trop Med Hyg* 2021, 105(3): 545-546. doi: 10.4269/ajtmh.21-0681.
76. Marcus R, Henao-Martinez AF, **Nolan MS**, Livingston E, Klotz SA, Gilman RH, Miranda-Schaeubinger M, Meymandi M. Recognition, and screening for Chagas disease in the United States. *Ther Adv Infect Dis* 2021, 8: 20499361211046086. doi: 10.1177/20499361211046086
77. Dye-Braumuller KC**, Waltz H*, Lynn MK**, Klotz SA, Schmidt JO, Romero A, Rodriguez S, Palacios R, Cornejo M, **Nolan MS**[†]. A southwestern United States pilot investigation of triatomine-mite prevalence and potential impact on triatomine vector capability. *Insects* 2021, 12(9): 811. doi: 10.3390/insects12090811
78. Seijas-Chavez JA, **Nolan MS**, Lynn MK, Francalino da Rocha MJ, da Costa Araujo M, Affonso Fonseca FL, Laporta GZ. Causal effects on low Apgar at 5-mins and stillbirth in a malaria maternal-fetal health outcome investigation: a large perinatal surveillance study in the Brazilian Amazon. *Malaria J*. 2021, 20(1):444. <https://doi.org/10.1186/s12936-021-03981-y>.
79. **Nolan MS**[†], Daguise V, Davis M, Duwve J, Sherrill W, Heo M, Litwin A, Kanyangarara M, Watson S, Huang R, Eberth JM, Gual Gonzalez L, Lynn M**, Korte J. SARS-CoV-2 viral incidence, antibody point prevalence, associated population characteristics and vaccine attitudes-South Carolina, February 2021. *Public Health Rep* 2022, 137(3):457-462. doi: 10.1177/00333549221081128

80. Gormley MA, **Nolan MS**, Heo M, Litwin A, Alier A, Daguise V. Differences in SARS-COV-2 vaccination attitudes and behaviors between healthcare workers and emergency medical services workers in South Carolina, February 2021. *South Med J* 2022 Jun;115(6):381-387. doi: 10.14423/SMJ.0000000000001406
81. Dye-Braumuller KC**, Gordon JR, McCoy K, Dinglasan R, **Nolan MS**[†]. Riding the wave: Reactive vector-borne disease policy renders the United States vulnerable to outbreaks and insecticide resistance. *J Med Entomol*, 2022; tjab219, <https://doi.org/10.1093/jme/tjab219>
82. Gual-Gonzalez L**, Arango-Ferreira C, Lopera-Restrepo LC, Cantillo-Barraza O, Velazquez Marin D, Restrepo Bustamante N, Traina-Chavez O, **Nolan MS**[†]. Acute Pediatric Chagas disease in Antioquia, Colombia: A geographic location of suspected oral transmission. *Microorganisms* 2022, 10(1):8. DOI: 10.3390/microorganisms10010008
83. Scott J, **Nolan MS**, Ortaglia A, Mberikunashe J, Tapera O, Kanyangarara M. Health service utilization in Manicaland Province, Zimbabwe during the COVID-19 pandemic: Results from a cross-sectional household survey. *Journal of Global Health Reports*. 2022;6: e2022005
84. Boehme HM, Kaminski B, **Nolan MS**. City-Wide Firearm Violence Spikes in Minneapolis Following the Murder of George Floyd: A Comparative Time-Series Analysis of Three Cities. *Urban Sci* 2022, 6(1):16. <https://doi.org/10.3390/urbansci6010016>
85. Gual-Gonzalez L**, McCarter M**, Dye-Braumuller K**, Self S, Ross CH, Rodriguez-Ramos C, Daguise V, **Nolan MS**[†]. Statistical determinants of COVID-19 vaccinations among a state-wide year-long surveillance initiative in a conservative Southern state. *Vaccines* 2022, 10(3):412. doi: 10.3390/vaccines10030412
86. Dye-Braumuller KC**, Gordon JR, Johnson D*, Morrissey J*, McCoy K, Dinglasan R, **Nolan MS**[†]. Needs assessment of Southeastern United States vector control agencies: capacity improvement is greatly needed to prevent the next vector-borne disease outbreak. *Trop Med Infect Dis* 2022, May 13;7(5):73. doi: 10.3390/tropicalmed7050073
87. Lino A, Erickson T, **Nolan MS**, Murray KO, Ronca SE. A preliminary study of proinflammatory cytokines and depression following West Nile virus infection. *Pathogens* 2022, 11(650). doi: 10.3390/pathogens11060650
88. Lynn MK**, Dye-Braumuller KC**, Beatty N, Dorn P, Klotz S, Stramer S, Townsend RL, Kamel H, Vannoy J, Sadler P, Montgomery SP, Rivera HN, **Nolan MS**[†]. Evidence of Autochthonous Chagas disease in the southwestern United States: A case series of *Trypanosoma cruzi* seropositive blood donors. *Transfusion*. 2022. doi: 10.1111/trf.17026.
89. Kanyangarara M, McAbee L, Daguise VG, **Nolan MS**[†]. Factors associated with COVID-19 vaccine intentions among South Carolina residents. *Vaccines* 2022 10(6), 942; <https://doi.org/10.3390/vaccines10060942>
90. Dye-Braumuller KC**, Rodriguez Aquino MS, Self SCW, Kanyangarara M, **Nolan MS**[†]. Spotted fever group rickettsioses in Central America: The research and public health disparity among socioeconomic lines. *Insects* 2022;13(8):674. doi: 10.3390/insects13080674.

91. Boehme HM, Williams T, Brown N, Kidd L, Hernandez BL, **Nolan MS**. “It’s all about just creating the safe space.” Barbershops and Beauty Salons as Community Anchors in Black Neighborhoods: Crime Prevention, Cohesion, and Support during the COVID-19 Pandemic. *Crime Delinq* 2022. doi: 10.1177/00111287221130956
92. Dye-Braumuller KC**, Rodriguez Aquino MS, Zellars K, Waltz H*, Meyer M, Gual-Gonzalez L**, Self SCW, Kanyangarara M, **Nolan MS**[†]. Evidence of an emerging neglected tropical disease in El Salvador: Antibody prevalence and risk factors associated with *Rickettsia* spp in a pediatric cohort. *Pathogens* 2022;11(11):1241. doi: 10.3390/pathogens11111241
93. Gual-Gonzalez L, Medina M, Valverde C, Beltran V, Traina-Chavez O, **Nolan MS**, Cantillo-Barraza O. Laboratory evaluation and field feasibility of the effect of micro-encapsulated insecticide on *Rhodnius prolixus* and *Triatoma dimidiata* mortality in rural households in Boyacá, Colombia. *Insects* 2022;13(11):1061. doi: 10.3390/insects13111061
94. Gual-Gonzalez L**, McCarter M**, Peebles M**, **Nolan MS**[†]. A state-wide, cross-sectional evaluation of the knowledge and level of concern of rabies among South Carolina residents. *Zoonoses Public Health* 2023;70(1):103-110. doi: 10.1111/zph.13001
95. Lynn MK**, Rodriguez Aquino SM, Self SCW, Kanyangara M, Campbell BA, **Nolan MS**[†]. TORCH congenital syndrome infections in Central America’s Northern Triangle. *Microorganisms* 2023;11(2):257. doi: 10.3390/microorganisms11020257
96. Boehme HM, Dawson R, Gual Gonzalez L, Rodriguez Ramos C, Kidd L, **Nolan MS**. “Ain’t about the money, ain’t about the haircut”: Experiences of servant leadership in Black-owned barbershops and beauty salons during the COVID-19 pandemic. *Qualitative Research Health* 2023; 3:100225. <https://doi.org/10.1016/j.ssmqr.2023.100225>
97. Ricci AD, Bracco L, Ramsey J, **Nolan MS**, Lynn MK, Altcheh J, Torrico F, Kesper N, Villar JC, Marco JD, Aguero F. The *Trypanosoma cruzi* Antigen and Epitope Atlas: antibody specificities in Chagas disease patients across the Americas. *Nat Commun* 2023;14(1):1850. doi: 10.1038/s41467-023-37522-9
98. Dye-Braumuller KC**, Lynn MK**, Cornejo Rivas PM, Rodriguez Aquino MS, Chandler JB, Trout Fryxell RT, Self S, Kanyangarara M, **Nolan MS**[†]. First Report of Multiple *Rickettsia* spp., *Anaplasma* spp., and *Ehrlichia* spp. in the San Miguel Department of El Salvador from Zoonotic Tick Vectors. *Acta Trop* 2023;106909. doi: 10.1016/j.actatropica.2023.106909
99. Kanyangarara M, Daguise V, Gual Gonzalez L, Litwin A, Korte J, Ross C, **Nolan MS**[†], SC STRONG Project Team. COVID-19 testing practices, preventive behaviors and factors associated with test positivity: Population-Based Statewide Survey Study. *JMIR Public Health Surveill* 2023; 9:e34579. Doi:10.2196/34579
100. Lynn MK**, Rodriguez Aquino MS, Cornejo Rivas PM, Kanyangarara M, Self SCW, Campbell BA, **Nolan MS**[†]. Chagas disease maternal seroprevalence and maternal-fetal health outcomes in a parturition cohort in Western El Salvador. *Trop. Med. Infect. Dis.* 2023, 8(4), 233; <https://doi.org/10.3390/tropicalmed8040233>
101. Romer G, Bracco L, Ricci AD, Balouz V, Berna L, Villar JC, Ramsey JM, **Nolan MS**, Torrico F, Kesper N, Altcheh J, Robello C, Buscaglia CA, Agüero F. Deep serological profiling of the *Trypanosoma cruzi* TSSA antigen reveals different epitopes and modes of recognition by Chagas disease patients. *PLoS Negl Trop Dis* 2023; 17(8):e0011542. doi:10.1371/journal.pntd.0011542

102. Dye-Braumuller KC**, Gual Gonzalez L**, Abiodun T*, Rustin L, Evans C, Meyer M, Zellars K, Neault MJ, **Nolan MS**[†]. Invasive Asian longhorned tick *Haemaphysalis longicornis* (Acari: Ixodidae) investigation in South Carolina: new records of establishment, pathogen prevalence and blood meal analyses. *J Med Entom* 2023; 60(6): 1398-1405. Doi: 10.1093/jme/tjad119
103. Gual-Gonzalez L**, Dye-Braumuller K**, Warner A**, Bunting T**, Bryant D, Connelly R, Burkhalter K, **Nolan MS**[†]. Do *Aedes triseriatus* respect state boundaries?: A paucity of La Crosse virus in the South Carolina Appalachian mountains. *Vector-borne and Zoonotic Dis* 2023; doi:10.1089/vbz.2023.0018
104. McCarter MSJ**, Self S, Lee C**, Li H***, **Nolan MS**[†]. The utility of Bayesian predictive model to forecast neuro-invasive West Nile virus in the United States, 2022. *PLoS One* 2023;18(9):e0290873.
105. Gual Gonzalez L**, Self SCW, Meyer M, Cantillo-Barraza O, Torres ME, **Nolan MS**[†]. Human spotted fever group *Rickettsia* seroprevalence and associated epidemiologic factors among diverse, marginalized populations in South Carolina. *Ticks and Tickborne Dis* 2023; 15(2):102288. Doi: 10.1016/j.ttbdis.2023.102288
106. Beatty NL, Arango-Ferreira C, Gual-Gonzalez L, Zuluaga S, **Nolan MS**, Cantillo-Barraza O. Oral Chagas Disease in Colombia – Confirmed and Suspected Routes of Transmission. *Trop Med Infect Dis* 2024; 9(1): 14. Doi: 10.3390/tropicalmed9010014
107. Self S, **Nolan M**[†]. A Bayesian Spatial Scan Statistic for Multinomial Data. *Statistics and Probability Letters* 2024; 206 (1100005). Doi:10.1016/j.spl.2023.1100005
108. Gual Gonzalez L**, Self SCW, Zellars K, Meyer M, Cantillo Barraza O, Torres ME, **Nolan MS**[†]. Eco-epidemiology of *Rickettsia amblyommatis* and *Rickettsia parkeri* in naturally infected ticks (Acari:Ixodida) from South Carolina. *Parasit Vectors* 2024, 17(1):33. doi: 10.1186/s13071-023-06099-z
109. Boehme HM, Metcalfe C, Adams I, Leasure P, **Nolan MS**. Does scientific research change minds? Linking criminology and public perceptions of policing. *Criminol Public Pol* 2024, 23(1): 201-224. DOI: 10.1111/1745-9133.12644
110. Gual Gonzalez L**, Cantillo Barraza O, Torres ME, Quintoero Velez JC, Medina M, Self SCW, **Nolan MS**[†]. Spotted fever group rickettsiae antibody prevalence in Miraflores, Colombia: A cross-sectional serosurvey of humans and dogs. *Am J Trop Med Hyg* 2024, 110(6):1245-1252. DOI: 10.4269/ajtmh.23-0593
111. Lynn MK**, Rodriguez Aquino MS, Cornejo Rivas PM, Miranda Pena X, Kanyangarara M, Self SCW, Campbell BA, **Nolan MS**[†]. Perinatal dengue and Zika virus seroprevalence and maternal-fetal outcomes among El Salvadoran women presenting for labor-and-delivery. *Matern Health Neonatol Perinatol* 2024, 10(7). DOI: 10.1186/s40748-024-00177-5.
112. Gual Gonzalez L**, Torres ME, Self SCW, Cantillo Barraza O, **Nolan MS**[†]. Spotted fever group *Rickettsia* spp. molecular and serological evidence among Colombian vectors and animal hosts: A historical review. *Insects* 2024, 15(3). doi: 10.3390/insects15030170
113. Case BKM**, Dye-Braumuller KC**, Evans C, Li H***, Rustin L, **Nolan MS**[†]. Adapting vector surveillance using Bayesian Experimental Design: an application to an ongoing tick monitoring program in the southeastern United States. *Ticks Tick Borne Dis* 2024, 15(3):102329. Doi: 10.1016/j.ttbdis.2024.102329
114. Lynn MK**, Rodriguez Aquino MS, Cornejo Rivas PM, Kanyangarara M, Self SCW, Campbell BA, **Nolan MS**[†]. Employing digital PCR for enhanced detection of perinatal *Toxoplasma gondii* infection: A cross-

- sectional surveillance and maternal-infant outcomes study in El Salvador. *PLoS Negl Trop Dis* 2024, 18(5):e0012153. DOI: 10.1371/journal.pntd.0012153
115. Zhang EY, Kalmath P, Abernathy HA, Giandomenico DA, **Nolan MS**, Reiskind MH, Boyce RM. Rickettsia africae infections in sub-Saharan Africa: A systematic review of epidemiological studies and summary of case reports. *Trop Med Int Health* 2024, 29(7):541-583. DOI: 10.1111/tmi.14002
 116. Bramlett KE**, Witt LE*, Meyer MM, Zellars K, Dye-Braumuller KC***, **Nolan MS**[†]. Evidence of incomplete feeding behaviors among South Carolina tick populations. *Insects* 2024, 15(6): 385. DOI: <https://doi.org/10.3390/insects15060385>
 117. Dawson RM, Boehme HM, Criswell S, Dunham-Thornton J, **Nolan MS**[†]. “We rely on each other”: A qualitative exploration of Eastern Region Native American experiences during the COVID-19 pandemic. *Helio* 2024, 10(13):E33456. DOI: <https://doi.org/10.1016/j.heliyon.2024.e33456>
 118. Huang R, McLain AC, Herrin B, **Nolan M**, Cai B, Self S. Bayesian group testing regression models for spatial data. *Spat Spatiotemporal Epidemiol* 2024, 50:100677. DOI: <https://doi.org/10.1016/j.sste.2024.100677>
 119. Jung S, Boehme H, Leasure P, Kidd L, **Nolan MS**. Who is culpable in fentanyl-induced deaths? A survey vignette investigating public perceptions of drug supplier culpability. *J Crime Justice* 2024, 95:102284. DOI: <https://doi.org/10.1016/j.jcrimjus.2024.102284>
 120. Galletti MFBM, Hecht JA, McQuiston JR, Gartin J, Cochran J, Blocker BH, Ayres BN, Allerdice MEJ, Beati L, Nicholson WL, Snellgrove AN, Paddock CD, and US Tick MALDI-TOF consortium (Kennedy A, Eisen R, Molaei G, Lado P, Foley J, Goddard J, Occi J, Paget K, Dykstra L, **Nolan M**, Cortinas R, Sambado S, Fink S, Campbell SR, Romer Y). Applying MALDI-TOF MS to resolve morphologic and genetic similarities between two *Dermacentor* tick species of public health importance. *Scientific Reports* 2024, 14: 19834. <https://doi.org/10.1038/s41598-024-69768-8>
 121. Da Costa Da Silva A, Dye-Braumuller KC***, Wagner-Coello H, 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. *J Vector Ecology* 2024, 50(1):28-38. Doi: 10.52707/1081-1710-50.1-28.
 122. Agudelo Higuaita NI, Beatty NL, Forsyth C, Henao-Martinez AF, Manne-Goehler J, and the US Chagas Research Consortium (**Nolan MS**). Chagas disease in the United States: A call for increased investment and collaborative research. *Lancet Regional Health Americas* 2024, 34:100768.
 123. Ossowski M, Gallardo J, Chadi R, Hernández Y, Fernández M, Marco JD, Triana-Chavez O, **Nolan M**, Pech May A, Ramsey J, Villar J, Agüero F, Potenza M, Gomez K. Performance assessment of ELISA assays using the *Trypanosoma cruzi* specific antigen Tc323 for the diagnosis of chronic Chagas Disease. *ACS Infectious Diseases* 2024, <https://doi.org/10.1021/acsinfecdis.4c00784>
 124. Jibowu M, **Nolan MS**, Ramphul R, Essignmann HT, Brown EL, Gunter SM. Spatial dynamics of *Culex quinquefasciatus* abundance: geostatistical insights from Harris County, Texas. *Int J Health Geogr* 2024; 23(1): 26. doi: 10.1186/s12942-024-00385-4.
 125. Kidd L, Boehme HM, Crouch E, Kennedy E, **Nolan, MS**. A Statewide Survey Examining Public Perceptions of ACEs, (poly)Victimization, Mental Health, and Firearm Information Provision in the

Aftermath of the Pandemic. Journal of Crime and Justice (Special Issue: Public Health and Crime) 2025, 48(2); 205-219. DOI: <https://doi.org/10.1080/0735648X.2024.2358928>

126. Waltz H*, Kaminski L**, Dye-Braumuller KC***, Haldeman M***, Owens Pickle E**, **Nolan MS[†]**. Alpha-galactose syndrome cases within the Prisma Health system, South Carolina *South Med J* 2025, 118(3): 161-166. Doi:10.14423/SMJ.0000000000001799
127. Gual Gonzalez L**, Gordon JR, Crawley SE, Gunter S, **Nolan M[†]**. Collaborate or stagnate: break down silos to achieve success. *Am Entomol* 2025; 71(1).
128. Lynn MK***, Parker M, Stramer S, Townsend RL, **Nolan MS[†]**. Bridging the gap between infectious disease blood donation screening and connection to healthcare services: The American Chagas disease example. *J Public Health Policy* 2025; 45(1): 168-179. doi: 10.1057/s41271-024-00539-5
129. Cantillo-Barraza O, Gual-Gonzalez L, Velasquez-Ortiz N, Medina Camargo MA, Gonzalez P, Cruz-Saavedra L, Castillo A, Zuluaga S, Herrera G, Cowan H, Velez-Mira A, Patino LH, Ramirez JD, Triana O, **Nolan MS[†]**. Triatoma venosa and Panstrongilus geniculatus challenge the interruption of vectorial Trypanosoma cruzi transmission by Rhodnius prolixus in eastern Colombia. *PLoS NTDs* 2025; 19(1):e0012822. doi: 10.1371/journal.pntd.0012822
130. Gual Gonzalez L***, Abiodun T*, **Nolan MS[†]**. Defining the Tick-borne Disease Occupational Risk Among Four High-Risk Vocations in South Carolina. *J Med Entomol* 2025, doi.org/10.1093/jme/tjaf020
131. Dye-Braumuller KC***, Prisco R**, **Nolan MS[†]**. (Re)Emerging Arboviruses of Public Health Significance in the Brazilian Amazon. *Microorganisms* 2025; 13(3), 650. doi.org/10.3390/microorganisms13030650
132. Owens Pickle E**, Dye-Braumuller K***, Gual-Gonzalez L***, Trout-Fryxell R, Chandler J, Qurollo B, **Nolan MS[†]**. First identification of Candidatus Rickettsia andeanae from a large geographic region and novel tick species. *J Vector Ecol* 2025; 50(1):S4-S7. doi: 10.52707/1081-1710-50.1-S4
133. Harp RD, Holcomb KM, Retkute R, Prusokiene A, Prusokas A, Ertem Z, Ajelli M, Kummer AG, Litvinova M, Merler S, Piontti AP, Pletti P, Vespignani A, W ABB, Zardini A, Helm Smith K, Armstrong P, DeFelice N, Keyel A, Shephard J, Smith R, Tyre An, Humphries J, Cohnstaedt L, Hosseini S, Scoglio C, Gorris M, Barnard M, Moser K, Spencer J, McCarter MSJ, Lee C, **Nolan MS**, Staples E, Nett R, Johansson M. Evaluation of the 2022 West Nile virus forecasting challenge, United States. *Parasit Vectors* 2025; 18(1):152. doi: 10.1186/s13071-025-06767-2
134. McCarter MSJ**, Self SCW, Li H***, Ewing A, Gual Gonzalez L***, Kanyangarara M, **Nolan MS[†]**. Validating A Bayesian Spatio-Temporal Model to Predict La Crosse Virus Human Incidence in the Appalachian Mountain Region, USA. *Microorganisms* 2025; 13(4), 812. Doi.org/10.3390/microorganisms13040812
135. Lynn MK**, Rodriguez Aquino MS, Buendia Rivas CA, Morales Landrove A, Portillo de Juarez AM, Aquila Ceron R, Garcia Lopez D, **Nolan MS[†]** and the El Salvador Congenital Chagas team. Prenatal Chagas disease screening in Latin America: the current policy landscape and potential utility of an expanded maternal-familial Trypanosoma cruzi testing framework. *Lancet Regional Health Americas* 2025; 47, 101139
136. Haldeman MS***, Heidt H, Gass SJ, **Nolan MS[†]**. Evidence of autochthonous human Strongyloides stercoralis in South Carolina. *Am J Trop Med Hyg* 2025; 113(5): 1039-1047. doi: 10.4269/ajtmh.25-0209

137. Gual Gonzalez L, Boehme H, Leasure P, Baker PA, **Nolan MS**. An experimental investigation of federal messaging on public support for enforcement- and treatment-based approaches for opioid overdose prevention in South Carolina. *Health Justice* 2025; 13(1):46. doi: 10.1186/s40352-025-00356-2
138. Lynn MK***, Boehme HM, Hall J, Kent P***, Litwin AH, Pham Q, **Nolan MS[†]**, and the Prisma Chagas team. An evidence-based intervention to increase *Trypanosoma cruzi*, a neglected parasitic infection, diagnosis in rural and moderate-size-city US clinics. *Open Forum Infect Dis* 2025; 12(8):ofa467. doi: 10.1093/ofid/ofaf467
139. Laporta GZ, Valle D, Prist PR, Ilacqua RC, Santos TC, Madeira FP, Silva GM, Brilhante AF, **Nolan MS**, Speranca MA. Intermediate forest cover and malaria risk in an Amazon deforestation frontier. *Acta Tropica* 2025; 269:107757. doi: 10.1016/j.actatropica.2025.107757
140. McCarter MSJ**, Self SCW, Ewing A, Kanyangarara M, Gunter SM, **Nolan MS[†]**. The evolution of public health statistical modelling approaches and how to advance their incorporation into modern arboviral surveillance. *J Med Entomol* 2025;tjaf127. doi: 10.1093/jme/tjaf127
141. Silva GM, Ilacqua RC, Goncalves FG, Santana CM, Jordao FT, Prist PR, **Nolan MS**, Brilhante AF, Speranca MA, Laporta GZ. SARS-CoV-2 detection and persistence in a remote Amazonian settlement. *J Trop Med* 2025; 2025:4872494. doi: 10.1155/jotm/4872494
142. Kelman P, Chavers T, Owens Pickle E, Sonenshine D, **Nolan MS**, Gaff H. Tick responses to diverse chemical attractants to enhance tick surveillance methods' efficacy. *Ticks Tick Borne Dis* 2025; 16(6):102577. DOI: 10.1016/j.ttbdis.2025.102577
143. Fridriksson ES*, Muraleedharan A*, Dye-Braumuller KC, Meyer MM, Zellars K, Li H***, **Nolan MS[†]**, and the SC WNV study team. Ecologic factors contributing to West Nile virus hyperendemicity in the Southeastern USA: A comprehensive vector-human-environmental cohort study. *Am J Trop Med Hyg* 2026; doi:10.4269/ajtmh.25-0305
144. Patel H, Hamilton B, Kell A, Paras I, **Nolan M**, Criswell S, Dawson R. “You can live with it or you can die”: Southern Gothic Storytelling of Diabetes Management in a Rural South Carolina Town. *Qual Health Res* 2026; 10497323251403548. doi: 10.1177/10497323251403548
145. Meyer Torelli MM, Gual Gonzalez L, Baus K, **Nolan MS[†]**. *Rickettsia parkeri* genetic diversity from three different hard tick species (family: Ixodidae). *Parasit Vectors* 2026; doi: 10.1186/s13071-026-07276-6
146. Brown K, Owens Pickle E***, Sweeney S**, Gual-Gonzalez L, Braumuller K, Weber M, **Nolan MS[†]**. Mosquito species composition at a Zoological Park in South Carolina, USA, August-December 2023. *Vector Borne Zoonotic Dis* 2026; doi: 10.1177/15303667261424694
147. Owens Pickle E***, Dye-Braumuller K, Self SCW, Commins S, **Nolan MS[†]**. Tick to table: Unraveling the global impact of alpha-gal syndrome. *J Med Entomol* 2026; 63(2): tjag040. doi: 10.1093/jme/tjag040
148. Brilhante AF, Galvis-Ovallos F, Jordao FT, Ramos LJ, Ilacqua RC, Abreu WC, **Nolan MS**, Madeira FP, Silva GM, Santos TC, Prist PR, Valle DR, Speranca MA, Laporta GZ. Human occupation, not forest structure, determines sandfly abundance in the Amazon. *Parsit Vectors* 2026; 19(1):225. Doi: 10.1186/s13071-026-07409-x

149. Dye-Braumuller KC, Gual Gonzalez L, Owens Pickle E***, Lee C, Meyer M, Evans C, Chandler JG, Trout Fryxell RR, **Nolan MS**[†]. Filling in the gap: Establishing the first South Carolina state-wide tick and tick-borne pathogen surveillance program. *Insects* 2026; 17(4): 414. Doi: 10.3390/insects17040414
150. Brown K, Weber M, Zellars K, Gual-Gonzalez L, Meyer Torelli M, Skvarla MJ, Knee W, Reeves WK, **Nolan MS**[†]. West Nile virus detected in louse flies (Diptera: Hippoboscidae) collected from rehabilitated raptors in South Carolina. *Parasit Vectors* 2026; 19(1): 262. Doi: 10.1186/s13071-026-07428-8
151. Laporta GZ, Ramos LJ, Santana CM, Abreu WU, Ilacqua RC, **Nolan MS**, Brilhante AF, Madeira FP, Meneguetti DUO, Galvis-Ovallos F, Prist PR, Valle D, Speranca MA. Deforestation and human proximity influence *Trypanosoma cruzi* infection in palm-dwelling triatomines. *PLoS One* 2026; 21(5):e0349311. Doi: 10.1371/journal.pone.0349311
152. Hughes A**, Laporta GZ, Dye-Braumuller K, Self SCW, Hollingsworth B, **Nolan MS**[†]. Deforestation's impact on Brazilian *Culex* mosquitos and arboviral spillover risk. *Acta Tropica* 2026; 280:108161. Doi: 10.1016/j.actatropica.2026
153. Rodriguez Aquino MS, Juarez Alvarado EN, Castaneda Lue FJ, Cornejo Rivas PM, **Nolan MS**, Gual-Gonzalez L. First report of gynandromorphism in *Rhipicephalus microplus* (Acari: Ixodidae) in El Salvador. *Acta Parasitol* 2026; 71(4): 146. Doi: 10.1007/s11686-026-01327-9
154. Sweeney S, Bullock A, Reiskind M, Newnam A, Kanipe J, **Nolan MS**, Boyce R, and the North Carolina Biltmore Forest Study Team. Southward expansion of *Ixodes scapularis* (blacklegged) tick pathogens—Western North Carolina, November 2024 – August 2025. *MMWR Morb Mortal Wkly Rep* 2026;75(31):398-402. Doi: 10.15585/mmwr.mm7531a1
155. Li H***, Lee C, Sweeney S**, Valafar H, **Nolan MS**[†]. Geographic expansion, not viral intensification, leads to human dengue outbreaks in Mexico: A 40-year integrated remote sensing and machine learning analysis. *Front Public Health* 2026;14:1888753. Doi: 10.3389/fpubh.2026.1888753
156. Lynn MK, Pollom E, Dye-Braumuller K, Gual Gonzalez L, Sweeney S**, Meyer MM, Zellars K, Brown K, Knapp H, Cornejo PM, Rodriguez MS, **Nolan MS**[†]. Triatomines in New Mexico: Species diversity and *Trypanosoma cruzi* prevalence in communities with frequent exposure and home intrusion. *Accepted: New Mexico Journal of Science*
157. Onyame V, McLain A, Ghosal R, **Nolan M**, Self S. A spatial scan statistic for group testing data. *Accepted: Spatial and Spatio-temporal Epidemiology*
158. Costa-da-Silva AL, Zhou J, Frederiksen A, Carlos Palacios R, Ramirez Fernandez C, Gonzalez M, Pravia D, Miao L, Dye-Braumuller K, Fridriksson SE, Frick E, Li H, Gunter SM, DeGennaro M, **Nolan MS**[†]. AeEggCounter: A computer vision tool for high-throughput screening of Aedes eggs from ovitrap field samples. *Accepted: J Am Mosq Control Assoc*
159. Li H, Zhou J, Dye-Braumuller K, Vigilant M, DeGennaro M, Jibowu M, Oluyomi AO, Nolan MS, **Gunter SM**. The prediction of *Aedes* mosquito abundance using remote sensing and machine learning in Harris County, Texas. *Accepted: Scientific Reports*
160. Owens Pickle E**, Dye-Braumuller K, Zellars K, Self SCW, Commings S, **Nolan MS**[†]. Immunologic comparison of alpha-gal sensitized and non-sensitized groups from a large community-based sample. *Accepted: Frontiers of Immunology*

161. Owens Pickle E**, Meyer Torelli M, Knapp H**, Zychowski D, Sweeney S**, Bramlett K, Dye-Braumuller K, Self S, Boyce R, Commins SP, **Nolan MS**[†]. Detection of Heartland virus in lone star ticks collected in South Carolina, USA, 2021-2024. Accepted: Emerging Infectious Diseases
- Brown KM, **Nolan MS**, Poh KC, Skvarla MJ. Neglected but not insignificant: The hidden ecology of Hippoboscids flies. In review: Ann Entomol Soc Am
- Cantillo-Barraza O, Jaimes-Duenez J, Posada L, Medina M, Velez-Mira A, Gual-Gonzalez L, Gonazlez-Mejia P, Aramendiz-Macias L, Mejia A, Velasquez-Ortiz N, Meyer Torelli M, Carrillo M, Valdivia H, **Nolan MS**, Ramirez JD, Vasquez GM. Surveillance of sand fly vectors, domestic reservoirs, and human cases in an endemic focus of cutaneous leishmaniasis in western Boyacá, Colombia. In review: PLoS One
- Dye-Braumuller KC, Zellars K, Meyer Torelli M, Neault M, Scharko P, Buford WI, Rustin L, Evans CL, **Nolan MS** and the USC Newberry Cattle Outbreak Team. Case report and investigation: Probable bluetongue virus outbreak in rural, closed South Carolina bovine herd. In review: ASM Animal Microbiology
- Galletti MFBM, Atkinson A, Harris A, Hecht JA, Cochran J, Headd B, McQuiston JR, Allerdice MEJ, Blocher BH, Ayres BN, Beati L, Nicholson WL, Paddock CD, US Tick MALDI-TOF consortium (**Nolan M**). Performance and limitations of MALDI-TOF MS for speciation of *Amblyomma maculatum* sensu lato morphotypes II and III and identification of *Rickettsia*-infected specimens. In review: Applied and Environmental Microbiology
- Higgins NR, Zellars K, **Nolan MS**, Dye-Braumuller KC. West Nile virus surveillance in South Carolina: Mosquito abundance, viral detection, and environmental influences in the Midlands, 2023-2025. In review: J Am Mosq Control Association
- Knapp HM**, Meyer Torelli MM, Gilmore K**, Self SCW, Zellars K, Lynn MK, Dye-Braumuller KC, Rodriguez Aquino MS, **Nolan MS**[†]. Digital polymerase chain reaction (dPCR) demonstrates enhanced chronic Chagas disease diagnostic performance in phenotypically diverse human blood samples. In review: Open Forum Infectious Diseases
- Lee C, Gual-Gonzalez L, Lynn MK, Dye-Braumuller K, **Nolan MS**, Valafar H. A feature pyramid classifier for *Trypanosoma cruzi* in smartphone blood smear microscopy. In review: PLoS NTDs
- Li H, Zhou J, Dye-Braumuller KC, DeGennaro M, Costa-da-Silva AL, Gunter SM, **Nolan MS**[†]. City heat, mosquito Street: Urban heat island intensity and *Aedes* population dynamics in two southern United States metroplexes. In review: Remote Sensing
- Lynn MK, Pollom E, Braumuller KC, Owens Pickle E, Hollingsworth B, **Nolan MS**. Triatomine home intrusion and bite-induced anaphylaxis reactions in the American desert southwest: An understudied public health challenge in New Mexico. In review: Journal of Medical Entomology
- Meyer Torelli MM, Gual-Gonzalez L, Knapp H**, Heidt H, Lee C, Zellars K, Dagui V, Self SCW, Dawson RM, **Nolan MS**[†], and the ALL-IN SC Study Team. Evaluating the accuracy of SARS-CoV-2 self-testing modalities among rural, minority populations: The ALL-IN SC study. In review: Open Forum Infectious Diseases
- Meyer Torelli MM, Rayala N*, Heidt H, Muraleedharan A, Zellars K, **Nolan MS**[†]. Serological surveillance suggests hyperendemicity of West Nile virus in South Carolina, 2022-2024. In review: Emerging Infectious Diseases

Owens Pickle E**, Saunders E, Dye-Braumuller K, Self SCW, Commins SP, **Nolan MS**[†]. Alpha-gal sensitization in South Carolina, USA: epidemiologic risk factors and exploratory findings related to *Strongyloides stercoralis* exposure. *In review: Open Forum Infectious Diseases*

Paras I, Heidt HS, Witt L, Warlick K, **Nolan MS**, Dawson R. Combined at-home test and community health worker intervention increases diabetes mellitus screening rates among rural, marginalized populations: The South Carolina ITALIC Study. *In review: American Journal of Public Health*

Rich SM, **Nolan M**, Mather TN, Hamner L, Commins SP. A heuristic tick bite Alpha-Gal syndrome Risk Index (AGRI) for risk determination and longitudinal monitoring. *In review: International Journal of Environmental Research and Public Health*

Self S, **Nolan M**, Bramlett K, Zellars K, Herrin B, McMahan CC. Assessing simultaneous infection with multiple pathogens via group testing with imperfect multiplex assays. *In review: Journal of Agricultural, Biological, and Environmental Statistics*

Santos TC, Ilacqua RC, Lindori AS, Sweeney S, Madeira FP, Oliveira A, Silva GM, Leitao FNC, **Nolan MS**, Laporta GZ. Broad-scale landscape structure shapes anopheline assemblages in an Amazonian deforestation frontier. *In review: Insects*

Sunshine N, Blanton H, **Nolan MS**, Barfield R, Sanasi-Bhola K, Bookstaver PB. County-level maternal care access and racial/ethnic disparities in first-trimester chlamydia and gonorrhea screening in South Carolina, USA. *In review: Sexually transmitted diseases*

Sweeney SP**, Kanyangarara M, Self SCW, **Nolan MS**[†]. Public support for school-based sexual health education amid persistent knowledge gaps: A cross-sectional knowledge, attitudes and practices survey of South Carolina residents. *In review: Sexually transmitted diseases*

Zhao X, McLain AC, Cai B, Wang D, **Nolan M**, Self S. Bayesian spatio-temporal regression models for group testing data. *In review: Journal of Agricultural, Biological and Environmental Statistics*

Published Book Chapters

1. McKenna M, Ronca SE, **Nolan MS**, Murray KO. West Nile encephalitis. *Meningitis and Encephalitis-Management and Prevention Challenges*. Springer. 2018. ISBN: 978-3-319-92677-3
2. **Nolan MS**, Dye-Braumuller K, Clark E. Chagas disease in the United States (USA). *Chagas disease*. Springer Nature. 2018. ISBN: 978-3-030-44053-4
3. **Nolan MS**, Kanyangarara M. Trichomonas infections. *Feigin and Cherry's Textbook of Pediatric Infectious Diseases, 9e*. Elsevier. 2024
4. **Nolan MS**, Dye-Braumuller K. West Nile virus: Infection of the Central Nervous System. *Neurobiology of Infectious Diseases*. Elsevier. 2024. ISBN: 978-0-443-19130-5

Invited Talks, Guest Lectures, and Community Education Talks

1. Rabies: An Introduction, World Rabies Day at University of Texas School of Public Health, *Podium Presentation*, 28 September 2009
2. Adventures of a HIGHER Fellow, Global Health Seminar, *Podium Presentation*, 10 November 2009
3. Methods in Field Epidemiology, Epidemiology Seminar, *Podium Presentation*, 3 March 2010
4. Arbovirus Surveillance and Mapping: Houston, TX, *University of Texas School of Public Health Medical Geography Course*, 20 October 2010
5. Adventures of a Research Coordinator. *DeBaakey Scientific Symposium*, Podium Presentation, 16 December 2011
6. Vector-borne Diseases, *Baylor College of Medicine's Tropical Medicine Summer Institute*, 15 July 2013
7. Rapid Assessment Methods and Exercise, *Baylor College of Medicine's Diploma in Tropical Medicine*, 13 January 2014
8. Chagas Disease in Houston: Implications for the Health Department, *City of Houston Epidemiology Seminar*, Podium Presentation, 16 January 2014
9. Chagas Cardiomyopathy: A Hidden Endemic, *Texas Children's Research Seminar*, Podium Presentation, 23 January 2014
10. Chagas Disease Epidemiology Case Reports, *Baylor SIGHT Retreat*, 28 March 2014
11. Chagas Disease Transmission Sources and Cardiac Outcomes Among Texas Blood Donors, *South Texas Property Rights Association*, Podium Presentation, 6 May 2014
12. Entomology and Vector-Borne Diseases, *Baylor College of Medicine National School of Tropical Medicine Summer Institute*, 20 June 2014
13. Methods for Rapid Assessment of Natural Disasters, *Baylor College of Medicine National School of Tropical Medicine Summer Institute*, 23 June 2014
14. Methods in Neglected Tropical Disease Research: Chagas Disease, *Rice University Seminar in Tropical Medicine*, 23 October 2014
15. An epidemiologic analysis of vector, mammalian, and human infection in Houston, Texas, *Harris County Mosquito Control Division*, Podium Presentation, 21 April 2015
16. Chagas disease: zoonotic diseases and other insect-borne pathogens threatening our region. *Greater Houston Industrial Hygiene Council*, Podium Presentation, 20 August 2015
17. Chagas disease: Information for an at-risk community. *St. Mark's Medical Center, La Grange, Texas*, Podium Presentation, 10 November 2015

18. Tips and Tricks to Publishing in a Peer Reviewed Journal, *Baylor College of Medicine National School of Tropical Medicine Summer Institute*, 23 June 2015
19. The Influence of Infectious Diseases on History, *Teasley Middle School*, 11 September 2015
20. Arboviral & Zoonotic Diseases, *University of Texas Health Science Center*, 7 December 2015
21. Chagas disease: A Texas perspective. *Texas Master Naturalists-Gideon Lincecum Chapter*, Podium Presentation, 19 March 2016
22. Clinical perspectives for diagnosis of tick-borne relapsing fever. *Baylor College of Medicine Infectious Diseases Faculty and Fellows Core*, Podium Presentation, 18 May 2016
23. EIS Case Investigations, *Baylor College of Medicine National School of Tropical Medicine Summer Institute*, 14 June 2016
24. Biostatistics for Clinical Studies, *Baylor College of Medicine National School of Tropical Medicine Summer Institute*, 26 June 2017
25. EIS Case Investigations, *Baylor College of Medicine National School of Tropical Medicine Summer Institute*, 28 June 2017
26. Globalization of Latin American Vector-Borne Diseases and Their Implication for Non-Endemic Countries, *Rice University Seminar in Tropical Medicine*, 2 November 2017
27. Clinical Epidemiology, Basic Science and Public Health Investigations of Chagas Disease, *University of Houston Science Seminar*, 20 February 2018
28. Clinical Epidemiology of Vector-Borne Diseases in the Western Hemisphere, *University of South Carolina-Epidemiology and Biostatistics Departmental Seminar*, 24 September 2018
29. Principles of Clinical Epidemiology, *University of South Carolina-Introduction to Epidemiology*, 16 October 2018
30. Applications to GIS in Healthcare, *University of South Carolina-GIS Modeling Course*, 16 October 2018
31. Patient Profiles of Neglected Parasitic Infections in Greenville: 'It's Tricky, *University of South Carolina-Greenville Research Seminar Series*, 15 November 2018
32. Principles of Field Epidemiology and Examples from Applied Vector Borne Disease Research, *University of South Carolina-Introduction to Epidemiology*, 4 February 2019
33. Research at GHS, *University of South Carolina Department of Epidemiology and Biostatistics Research Committee*, 4 February 2019
34. Integrating Remote Sensing Technology, Machine Learning, and Real-time Mosquito Surveillance: A Team Science Approach to Vector Control, *University of South Carolina-Environmental Health Sciences Departmental Seminar Series*, 13 February 2019

35. Improving Chagas Disease Patient Diagnosis and Health Outcomes in the Southwestern United States, *Blood Centers of California and California Department of Health Monthly Meeting*, 6 March 2019
36. Components of Integrated Vector Control Research, *QuEST NSF Research Trainee Program, University of Vermont, Burlington, VT*, 5 April 2019
37. An Unfolding Investigation of Trypanosoma cruzi Autochthonous Transmission in the United States, *QuEST NSF Research Trainee Program, University of Vermont, Burlington, VT*, 5 April 2019
38. U.S. Chagas Transmission at the Texas-Mexico Border, *NIH NIAID Chagas Diagnostics Seminar, Bethesda, MD*, 21 May 2019
39. HIV/AIDS Epidemic: An Interprofessional Panel Discussion, *University of South Carolina Medical School Greenville*, 5 August 2019
40. Novel 2019 Coronavirus and Outbreak Response Techniques, *University of South Carolina-Global Health graduate course*, 2 February 2020
41. Principles of Field Epidemiology and Examples from Applied Vector Borne Disease Research, *University of South Carolina-Introduction to Epidemiology*, 11 February 2020
42. Infectious Disease Grants, *University of South Carolina-EPID 802*, 27 February 2020
43. Public Health Task Force, *Prisma Rapid Innovation Task Force*, 16 April 2020
44. Ticks Don't Social Distance, *Centers for Disease Control Lyme Disease Awareness Month Lunch and Learn Series*, 1 May 2020
45. Clinical Health Outcomes and SARS-COV-2 Viral Kinetics among Pregnant Women, Recent Mothers, and Newborns, *Prisma Health Rapid Innovation Task Force*, 4 May 2020
46. Understanding COVID-2019, *University of South Carolina Office of the Vice President of Research University Town Hall*, 5 May 2020
47. Faculty Town Hall, *University of South Carolina Chapter of American Association of University Professors*, 14 May 2020
48. COVID-19 Future Planning Group, *City of Columbia Management Briefing*, 14 May 2020
49. SARS-CoV-2 and Maternal Fetal Medicine, *Prisma Health Research Town Hall*, 27 May 2020
50. COVID-19 Future Planning, *Lancaster County Briefing*, 3 June 2020
51. Autochthonous Vector-Borne Diseases in the Southern United States (and some COVID-19), *UofSC Family Medicine Global Health Didactics*, 23 June 2020
52. Presidential Town Hall: Faculty and Staff, *University of South Carolina, Office of the President*, 21 July 2020
53. Presidential Town Hall: Faculty and Staff, *University of South Carolina, Office of the President*, 27 August 2020

54. Infectious Disease Epidemiology, *University of South Carolina-EPID 401*, 14 September 2020
55. Infectious Disease Epidemiology as a Career, *American Public Health Society-University of South Carolina Chapter*, 15 September 2020
56. Presidential Town Hall: Faculty and Staff, *University of South Carolina, Office of the President*, 6 October 2020
57. Ask the Experts-COVID-19 Testing, *American College of Health Association*, 9 October 2020
58. Tracking down the Asian longhorned tick, *Centers for Disease Control Centers of Excellence in Vectorborne Disease Seminar Series*, 28 January 2021
59. Epidemiology of COVID-19, *University of South Carolina COLA 298*, 28 January 2021
60. COVID-19 Variants: What you need to know, *American College of Health Association*, 12 March 2021
61. Lessons learned from global health research, *University of South Carolina EPID 394*, 9 March 2021
62. Epidemiologic investigations of American vector-borne and zoonotic diseases, *Medical University of South Carolina, Department of Public Health Sciences*, 22 March 2021
63. COVID-19 Response, *University of South Carolina EPID 410*, 19 May 2021
64. Enfermedad de Chagas sin fronteras: hasta Columbia de Colombia, *Universidad de Antioquia, Medellin, Colombia*, 10 August 2021
65. Vector-borne diseases without borders, *Prisma Health Department of Family Medicine*, 24 August 2021
66. Enfermedad de Chagas congenito, *Universidad de El Salvador*, 23 September 2021
67. A career following the silent assassin, *University of South Carolina EPID 749*, 27 September 2021
68. Leveraging remote sensing and GIS tools to reduce vector-borne disease, *University of South Carolina EPID 767*, 28 September 2021
69. Chasing Fireflies: Where SARS-CoV-2 and Trypanosoma cruzi research intersect, *Clemson University-Eukaryotic Pathogens Innovation Center, Clemson, SC*, 5 October 2021
70. Translational field investigations of spotted fever group rickettsioses and Chagas disease in the USA and Latin America, *University of North Carolina-Institute for Global Health and Infectious Diseases*, 5 November 2021
71. Neglected parasitic diseases research: where investigators and health systems interact, *University of South Carolina HNRS 476*, 9 November 2021
72. Science of COVID-19, *University of South Carolina-Aiken Campus, Crisis Management theory class*, 18 March 2022
73. Chagas Disease: A Parasite Hidden in Plain Site, *Prisma Health Infectious Diseases Grand Rounds*, 15 April 2022

74. Vector-borne Diseases in South Carolina, *Prisma Health Infectious Diseases Grand Rounds*, 4 August 2022
75. A Sexually Transmitted Disease Ménage-à-Trois, *Prisma Health Pediatrics Grand Rounds*, 19 August 2022
76. Parallel Systems Between the American South and the Global South, *ASPH Global Health Initiative*, 9 September 2022
77. Field Investigation Methods: The Chagas Disease Example, *EPID 410*, 1 November 2022
78. Grantsmanship for Junior Faculty, *R25 Symposium*, 4 November 2022
79. Latinx Infectious Disease Clinical Investigations, *EPID 542*, 10 November 2022
80. Chagas disease in Donors, *America's Blood Centers-Journal Club*, virtual, 7 December 2022
81. A Career in Pediatric Infectious Diseases, *HRSA-funded Maternal Child Health LEAP Catalyst Program*, 19 January 2023
82. Global health research, *HPEB 772*, 23 February 2023
83. Leadership and resiliency, *Entomologic Society of America-Professional Advancement Career Training Initiative Seminar Series*, virtual, 13 March 2023
84. Summer 2023: What's biting you and your patients? *Prisma Health Pediatrics Grand Rounds*, 5 May 2023
85. Building a collaborative research program between the University of South Carolina and the University of El Salvador, *University of El Salvador, San Salvador, El Salvador*, 4 September 2023
86. Chagas disease in Today's World, *Prisma Health Infectious Disease Grand Rounds*, 6 September 2023
87. Considerations for Chagas disease diagnostics, *American Public Health Laboratory Webinar Series*, 20 November 2023
88. Translational science in infectious and parasitic diseases, *EPID 894*, 20 November 2023
89. The USC Institute for Infectious Disease Translational Research, *Prisma Health-Health Sciences Collaborative monthly webinar series*, 25 January 2024
90. Rethinking Chagas disease in today's world, *HEPB 772*, 22 February 2024
91. Communication: Non-scientific audience engagement, *EPID 845*, 29 February 2024
92. West Nile virus and implications for Midlands-based patients. *Prisma Health Internal Medicine Grand Rounds*, 11 April 2024
93. Clinical epidemiology of neglected vector-borne diseases in the Americas. *Osaka Metropolitan University, Osaka, Japan*. 30 August 2024
94. Tackling emerging tick-borne diseases, *Purdue University Department of Entomology, West Lafayette, IN*, 12 September 2024

95. Chagas disease in the southern USA, *National Association of Vector-borne Disease Control Officials, Monthly Seminar Series*, 22 October 2024
96. Translational science in infectious and parasitic diseases, *EPID 861*, 4 November 2024
97. Insidious causes of locally-acquired vector-borne disease outbreaks in the continental USA, *National Biosurveillance Integration Center, Department of Homeland Security, Monthly Seminar Series*, 12 December 2024
98. Mosquito-borne and Tick-borne Diseases in the Southeastern USA, *Tribal Public Health Preparedness and Resilience Task Force, Monthly Seminar Series*, 4 February 2025
99. Tackling vector-borne diseases: domestic and abroad, *HPEB 772*, 13 February 2025
100. Epidemiology of infections during pregnancy, *EPID 765/865*, 26 February 2025
101. Ticks and tick-associated diseases, *South Carolina Land Survey Professionals Annual Conference, Columbia, SC*, 27 February 2025
102. Global to local: Surveillance and transmission of Chagas disease in the United States, *Chagas Disease ECHO Series*, 14 March 2025
103. Mosquitos, Ticks and Kissing bugs, oh my!, *the Medical University of South Carolina's Department of Infectious Diseases' Grand Rounds Monthly Seminar Series, Charleston, SC*, 27 March 2025
104. Leadership and Resiliency, *the Entomologic Society of America's Professional Advancement Career Training Initiative's monthly seminar series*, 31 March 2025
105. Tick-borne illnesses training, *South Carolina State Park's Service in Action seminar series*, 2 April 2025
106. Reflections on a career in translational research, *USC Women in Healthcare seminar series*, 2 April 2025
107. Chagas disease in California: What public health officials need to know, *San Bernadino County Department of Public Health's monthly seminar series*, 12 June 2025
108. Vector-borne diseases in South Carolina, *Prisma Health Department of Medicine Grand Rounds, Columbia, SC*, 28 August 2025
109. Updates on vector-borne diseases and patient risk in South Carolina and abroad, *Prisma Health Department of Medicine Grand Rounds, Greenville, SC*, 12 September 2025
110. Ticks and tick-associated diseases, *Orangeburg Chapter of Land Survey Professionals, Orangeburg, SC*, 17 September 2025
111. The BITES Study: Building Integrated Tick-borne and Emerging vector-borne pathogen Surveillance, *Prisma Health Department of Emerging Medicine Grand Rounds, Columbia, SC*, 14 January 2026
112. Clinical epidemiology and molecular mechanisms of neglected congenital infections, *Prisma Health Department of Obstetrics-Gynecology Grand Rounds, Greenville, SC*, 11 February 2026
113. Clinical epidemiology of neglected congenital infections, *EPID 765/865*, 26 February 2026

114. Clinical epidemiology and molecular mechanisms of *Trypanosoma cruzi* infections, *Yale University School of Medicine Grand Rounds, New Haven, CT*, 11 May 2026
115. Sexually transmitted infections, *EPID 749*, 19 May 2026
116. Vector-borne diseases in South Carolina, *Swamp Rabbit Prehospital Medicine Conference (Prisma Health), Greenville, SC*, 17 June 2026
117. Eco-epidemiology of tick-borne diseases in South Carolina, *Prisma Health Department of Medicine Grand Rounds, Columbia, SC*, 8 October 2026
118. The Silence of the Ticks, *University of South Carolina-Aiken Biology Seminar Series, Aiken, SC*, 9 October 2026
119. Congenital infections, *EPID 749*, 20 October 2026

Scientific Conferences: Podium and Poster Presentations

*For presentations following start of tenure-track faculty position: *denotes undergraduate student presenter, **denotes graduate student presenter, ***denotes post-doctoral or clinical fellow presenter*

1. Spatial Analysis of Water Body Distance and West Nile Virus Human Cases in Houston, Texas, *Texas Public Health Association, Brownsville, Texas*, Poster Presentation, 21 April 2010
2. CKD Among Patients Enrolled in the Houston West Nile Virus Cohort. *National Kidney Foundation 2012 Spring Clinical Meeting, Washington, DC*, Poster Presentation, 9 May 2012.
3. The Emergence and Establishment of West Nile Virus in Texas: An Epidemiologic Analysis of a Decade of Reported Human Cases. *Diseases in Nature Conference, San Antonio, Texas*, Poster Presentation, 20 June 2012.
4. Evaluation of Risk Factors and Clinical Parameters in West Nile Virus-Related Renal Disease: A Case-Control Study. *National Kidney Foundation 2013 Spring Clinical Meeting, Orlando, FL*, Poster Presentation, 3 April 2013.
5. Clinical Characteristics of the Pandemic H1N1 Virus in a Texas Pediatric Population. *Diseases in Nature Conference, Houston, Texas*, Podium Presentation, 21 June 2013.
6. Risk Factors and Seroprevalence of Trypanosoma cruzi in Texas, *American Society of Tropical Medicine and Hygiene Conference, Washington, DC*, Podium Presentation, 17 November 2013.
7. Cardiac Manifestations of Chagas Disease in Texas Blood Donors: An Unanticipated Focus on Autochthonous Transmission, *American Society of Tropical Medicine and Hygiene Conference, Washington, DC*, Poster Presentation, 16 November 2013.
8. Chagas Cardiomyopathy: A Hidden Endemic, *Baylor College of Medicine-Department of Cardiology Research Conference, Houston, Texas*, Podium Presentation, 2 December 2013.
9. Chagas Cardiomyopathy in Texas, *Cardiovascular Research Institute Symposium, Houston, Texas*, Poster Presentation, 25 March 2014.
10. Chagas Disease Among Texas Blood Donors, *Diseases in Nature Conference, Irving, Texas*, Podium Presentation, 26 June 2014.
11. Chagas Cardiomyopathy in Texas, *Baylor College of Medicine Graduate Student Symposium, Houston, Texas*, Poster Presentation, 22 October 2014.
12. Cardiac Outcomes and Transmission Sources of T. cruzi Positive Blood Donors, *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, Louisiana*, Podium Presentation, 4 November 2014.
13. Clinical characteristics of the pandemic H1N1 Influenza virus associated with hospitalization in a pediatric population: A Case-Control Study, *Texas Children's Hospital Pediatric Research & Fellows Symposium, Houston, Texas*, Poster Presentation, 26 March 2015.
14. Transmission sources and cardiac manifestations of a Trypanosoma cruzi positive blood donor cohort in the United States, *Mundo Sano XVII Simposio Internacional, Buenos Aires, Argentina*, Poster Presentation, 24 August 2015.

15. Genotyping of *Trypanosoma cruzi* DNA in blood samples from autochthonous Chagas disease patients from southeastern and central Texas. *American Society of Tropical Medicine and Hygiene Annual Scientific Conference*, Podium Presentation, 27 October 2015.
16. Epidemiology and clinical outcomes of Human Chagas disease: A Texas perspective. *South Texas Tropical Medicine & Vector borne Disease Conference*, Brownsville, Texas, Podium Presentation, 19 February 2016
17. Epidemiologic characteristics and clinical manifestations of human relapsing fever in the United States. *Espiroquetas, Habana 2016: IV Curso Internacional de Leptospirosis, Sifilis y Borreliosis*, Havana, Cuba, Podium Presentation, 11 May 2016
18. Incorporation of GIS technology into an ever evolving public health landscape. *Exxon-Mobile GIS User Group Annual Meeting*, Houston, Texas, Podium Presentation, 23 May 2016
19. Mesoamerican nephropathy (MeN) in Nicaragua: a clinical case definition. *2016 James Steele Conference on Diseases in Nature Transmissible to Man*, San Antonio, Texas Poster Presentation, 26 May 2016
20. Disease burden and clinical implications of Chagas disease in Texas, USA: A cross-sectional analysis of *Trypanosoma cruzi* seroprevalence among vectors, mammalian reservoirs, and human residents, *XXIX Congresso Nazionale Società Italiana di Parassitologia*, Bari, Italy, Podium Presentation, 22 June 2016
21. Vector and Clinical Epidemiology of Chagas disease in Texas, *Society for Vector Ecology*, Anchorage, Alaska, Podium Presentation, 12 September 2016
22. Clinical Manifestations of Chagas disease in the United States, *XXV International Congress of Entomology*, Orlando, Florida, Podium Presentation, 27 September 2016
23. Prevalence of *Trypanosoma cruzi* among Non-Ischemic Cardiomyopathy Patients Presenting for Clinical Management at Three Medical Facilities in Southeastern Texas, USA, *American Society of Tropical Medicine and Hygiene Annual Meeting*, Atlanta, Georgia, Poster Presentation, 14 November 2016
24. Epidemiologic investigations of at-risk communities for Chagas disease infection in the Southern United States, *Congreso Internacional de Vectores y del *Trypanosoma cruzi**, Cuernavaca, Mexico, Podium Presentation, 9 December 2016
25. Clinical epidemiology, pathophysiology, and transmission cycles of Chagas disease in Texas. *Diseases in Nature Conference*, Irving, Texas, Podium Presentation, 24 May 2017
26. Deploying the Neighbor's Toolkit: Detecting Mosquito Breeding Habitats. *Pumps and Pipes Conference*, Houston, Texas, Podium Presentation, 5 December 2017
27. Fight the Bite-Applying Remote Sensing Technologies to Detect Mosquito Breeding Habitats of Importance. *Houston Regional GIS Expo*, Houston, Texas, Podium Presentation, 29 March 2018
28. **Nolan MS**, Fight the Bite-Applying Remote Sensing Technologies to Detect Mosquito Breeding Habitats of Importance. *Diseases in Nature Conference*, Houston, Texas, Podium Presentation, 23 May 2018
29. **Nolan MS**, Prioritizing Mosquito Control Through Application of Remote Sensing Techniques, *54th Brazilian Congress of Tropical Medicine*, Recife, Brazil, Podium Presentation, 5 September 2018

30. **Nolan MS**, Rethinking Chagas: Reshaping the Agenda for Chagas Disease in the United States, *Harvard T.H. Chan School of Public Health, Boston, Massachusetts*, Podium Presentation, 22 October 2018
31. **Nolan MS**, Geospatial Analysis of High-Risk Areas for Vector-borne Transmission Using Remote Sensing Technologies, *67th American Society of Tropical Medicine and Hygiene, New Orleans, LA*, Poster Presentation, 30 October 2018
32. **Nolan MS**, Developing Novel Indices for Remote Sensing Detection of Mosquito Breeding Habitats, *Mid-Atlantic Mosquito Control Association, Harrisburg, PA*, Podium Presentation, 26 March 2019
33. **Nolan MS** Borrowing Your Neighbor's Toolkit: Leveraging GIS to Reduce Vector-Borne Disease, *ESRI User Conference, San Diego, CA*, Podium Presentation, 9 July 2019
34. Aguero F, **Nolan MS** High-throughput mutational analysis of *Trypanosoma cruzi* antigenic epitopes reveal consistent conservation of key residues across human Chagas Disease populations, *XIX International Symposium on Neglected Diseases, Buenos Aires, Argentina*, Poster Presentation, 21 August 2019
35. Norris M*, Dye-Braumuller K, Wagner H, DeGennaro M, **Nolan M.** An investigation into the distribution of urban *Aedes* spp in the coastal city, Charleston, SC, *Society for Vector Ecology, San Juan, Puerto Rico*, Poster Presentation, 24 September 2019
36. **Nolan MS**, Mapping Breeding Sites, *Mid-Atlantic Mosquito Control Association, Greenville, SC*, Podium Presentation 20 February 2020
37. Braumuller K**, Evans C, Lynn MK, **Nolan MS**, Domestic *Triatoma sanguisuga* human exposure in the coastal Carolina region, *Mid-Atlantic Mosquito Control Association, Greenville, SC*, Podium Presentation 20 February 2020
38. Norris M*, Braumuller K, Wagner H, DeGennaro, **Nolan MS**, An investigation into the distribution of urban *Aedes* spp. in the coastal city of Charleston, SC, *Mid-Atlantic Mosquito Control Association, Greenville, SC*, Podium Presentation 20 February 2020
39. Johnson D*, Lynn MK, Braumuller K, **Nolan MS**, West Nile virus 2018 google trend analysis by metro area in South and North Carolina, *Mid-Atlantic Mosquito Control Association, Greenville, SC*, Podium Presentation 20 February 2020
40. Lynn MK**, Lacroix R, Brownlee J, Kelly D, **Nolan MS** Adolescent *Trichomonas vaginalis* and concomitant sexually transmitted infections in upstate South Carolina, *PRISMA Women's Health Conference, Columbia, SC*, Poster Presentation, 6 March 2020
41. Lynn MK**, Rodriguez S, Torres ME, **Nolan MS**. Interplay of malnutrition, food insecurity and poverty on pediatric health outcomes in El Salvador, *10th Annual Nutrition Symposium, University of South Carolina Nutrition Consortium, Columbia, SC*, Poster Presentation, 20 March 2020
42. Lynn MK**, Lacroix R, Brownlee J, Kelly D, **Nolan MS**. Adolescent *Trichomonas vaginalis* and concomitant sexually transmitted infections in upstate South Carolina, *2020 Health Science Center Research Showcase, Greenville, SC*, Published Abstract in Lieu of Poster Presentation, 17 April 2020
43. Waltz H*, Dye-Braumuller K, Lynn MK, Schmidt J, Klotz SA, Romero A, **Nolan MS**. Entomologic profiling of ectoparasites on triatomines in the southwestern United States. *2020 Entomological Society of America Annual Meeting*, Poster Presentation, 11 November 2020

44. Braumuller K**, Nolan MS. First comprehensive state-wide tick survey in South Carolina. 2020 Entomological Society of America Annual Meeting, Poster Presentation, 11 November 2020
45. Bunting T**, Braumuller K, Nolan MS. An analysis of elevation as an impeding factor restricting Ixodes and Dermacentor tick species expansion. 2020 Entomological Society of America Annual Meeting, Poster Presentation, 11 November 2020
46. Warner A**, Bryant D, Bunting T, Braumuller K, Nolan MS. What's biting you? An entomologic survey of mosquito fauna in the South Carolina Blue Ridge Mountains, 2020 Entomological Society of America Annual Meeting, Poster Presentation, 11 November 2020
47. Norris M*, Braumuller K, Johnson D, Ross C, Ramos Rodriguez C, Nolan MS. An epidemiological search for the Asian longhorned tick in South Carolina, 69th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation 16 November 2020
48. Johnson D**, Braumuller K, Morrissey J, McCoy K, Dinglasan RR, Nolan MS. Needs assessment for emerging vector-borne disease threats in the southeastern region of the United States, 69th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation 16 November 2020
49. Nolan MS, Lynn MK, Rodriguez S, Diaz Pena S, Murcia WE, Villar Mondragon MJ, Mejia R. High polyparasitism burden in El Salvadorian children: Trypanosoma cruzi and gastrointestinal parasites, 69th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation 16 November 2020
50. Braumuller K**, Evans C, Norris M, Nolan MS. Filling the gap: first state-wide tick (Acari: Ixodidae) survey in South Carolina, 69th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation 16 November 2020
51. Boehme H, Brown N, Nolan MS. A qualitative approach to further understanding barbershops and beauty salons as 'virtue locales', 2021 American Society of Criminology, Poster Presentation 17 November 2021
52. Nolan MS, Dye-Braumuller KC. Leveraging community partnerships for tick-borne disease awareness, 2021 Entomological Society of America Annual Meeting, Podium Presentation, 31 October 2021
53. Gordon JR, Dye-Braumuller KC, McCoy K, Nolan MS. Schoolhouse Rock made the process seem simple: Reactive vector-borne disease policy in the US creates opportunities for improvement, 2021 Entomological Society of America Annual Meeting, Podium Presentation, 3 November 2021
54. Waltz H*, Dye-Braumuller KC, Lynn MK, Klotz SA, Schmidt JO, Romero A, Rodriguez S, Palacios R, Cornejo M, Nolan MS. Are mite ectoparasites a possible biological control mechanism for triatomine vectors of Chagas disease?: Evidence from a preliminary field investigation in the Southwestern United States. 70th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation, 18 November 2021
55. Dye-Braumuller K**, Wills M, Evans C, Nolan M. Alpha-gal: an emerging tick-borne disease of concern in the Carolinas. 70th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation, 18 November 2021
56. Lynn MK*, Nolan MS, Laporta GZ. Malaria in the peripartum period and associated clinical outcomes for mother and baby in a highly endemic region of the Brazilian Legal Amazon, Acre state. 70th Annual American Society of Tropical Medicine and Hygiene, Poster Presentation, 18 November 2021

57. Gual-Gonzalez L**, Daguiuse V, Westbrook Sherrill W, Litwin AH, Kanyangarara M, Lynn MK, Korte J, Ross C, **Nolan MS**. A novel approach to public health preparedness for SARS-CoV-2: a statewide representative sampling in South Carolina. *70th Annual American Society of Tropical Medicine and Hygiene*, Poster Presentation, 18 November 2021
58. Ross C*, Dye-Braumuller, **Nolan M**. Vectors taking flight: the influence of invasive tick species, bird migration, and climate change on South Carolina's coastal zones. *70th Annual American Society of Tropical Medicine and Hygiene*, Poster Presentation, 18 November 2021
59. **Nolan MS**, Murray KO, Mejia R, Hotez PJ, Mondragon MJV, Rodriguez S, Palacios J, Contreras WE, Lynn MK, Torres M, Monroy C. Elevated pediatric Chagas disease burden complicated by concomitant gastrointestinal parasites and malnutrition in El Salvador. *70th Annual American Society of Tropical Medicine and Hygiene*, Podium Presentation, 21 November 2021
60. Dye-Braumuller KC**, **Nolan MS**. Spotted fever group rickettsioses in El Salvador. *70th Annual American Society of Tropical Medicine and Hygiene*, Podium Presentation, 21 November 2021
61. Gunter SM, Oluyomi A, Erickson T, Li H, Fredregill C, Helfand J, **Nolan M**. Fight the bite: Applying remote sensing technologies to detect mosquito breeding habitats of importance. *70th Annual American Society of Tropical Medicine and Hygiene*, Poster Presentation, 18 November 2021
62. **Nolan MS**. Remote sensing applications to detect and prioritize areas for mosquito control. *2022 National Big Data Health Sciences Conference*, Podium Presentation, 11 February 2022
63. Braumuller K**, **Nolan M**, Li H, Gunter S. Borrowing your neighbor's toolkit: leveraging GIS and remote sensing technologies to track and predict *Culex spp.* migration. *American Mosquito Control Association's 88th Annual Meeting, Jacksonville, FL*, Podium Presentation, 3 March 2022
64. Ricci A, Bracco L, Ramsey J, **Nolan M**, Torrico F, Altcheh J, Kesper N, Villar JC, Marco JD, Agüero F. The Chagas antigen and epitope atlas: deep serological surveys of human Chagas disease populations. *XI Congreso de la Sociedad Argentina de Protozoología, Mendoza, Argentina*, Poster Presentation, 16 March 2022
65. Dye-Braumuller K**, **Nolan MS**. Applying remote sensing techniques to advance mosquito control methods. *The 17th Arbovirus Surveillance and Mosquito Control Workshop, St. Augustine, FL*. Podium Presentation. 30 March 2022
66. **Nolan MS**. Tick ecology and pathogen prevalence in South Carolina. *The 8th International Congress and 54th National Congress of the Society of Vector Ecology, Honolulu, HI*. Podium Presentation. 22 September 2022
67. Miao L, Frederiksen A, Reddy D, Doran B, Gunter S, **Nolan M**, Zhou J. The *Aedes* Machine-learning-based Mosquito Egg Counting System. *Science Gateways Conference 2022, San Diego, CA*. Poster Presentation. 18 October 2022
68. Muraleedharan A*, **Nolan M**. A state-wide vector-borne disease survey: frequency of mosquito and tick-bites. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 31 October 2022
69. Meyer M, Zellars K, **Nolan M**. Evaluating the accuracy of self-testing modalities among rural, minority populations: the ALL-IN SC study. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 31 October 2022

70. Rodriguez-Ramos CM, Parker M, Waltz H, Zellars K, Hall J, Whittle K, Litwin AH, Kent P, Pham QH, **Nolan MS**. Chagas disease seroprevalence among Latinx residents in South Carolina. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 31 October 2022
71. Harris K*, **Nolan M**, Dye-Braumuller K, Lynn K, Zellars K. qPCR vs dPCR: comparing the efficacies of diagnostic testing for chronic Chagas disease. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 31 October 2022
72. Witt L*, **Nolan M**, Dye-Braumuller K, Zellars K, Turner L. South Carolina ticks do not demonstrate classic 'host specialization' blood feeding patterns: ticks collected from dogs presenting at animal humane shelters test positive for human blood meals. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 31 October 2022
73. Abiodun TS*, **Nolan M**, Dye-Braumuller K, Gual-Gonzalez L, Zellars K, Meyer M, Evans C. SC tick surveillance: Asian longhorned tick study and findings. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 31 October 2022
74. Gual-Gonzalez L**, McCarter MSJ, Braumuller KC, Self S, Ross CH, Rodriguez-Ramos C, Daguise VC, **Nolan MS**. Determinants of COVID-19 vaccinations among a state-wide year-long surveillance initiative in a conservative southern state. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 1 November 2022
75. **Nolan MS**, Dye-Braumuller K, Evans C, Rustin L, Lachenmyer E, Neault M. The emergence of ticks and tick-borne disease in South Carolina: establishing a statewide initiative leveraging academic-public partnerships. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 1 November 2022
76. Li H***, **Nolan M**, Gunter SM, da Costa da Silva AL, Wagner H, DeGennaro M. Employing state-of-the-art mosquito control strategies, remote sensing and machine learning, to prioritize Aedes spp abundance and mosquito breeding habitat risk. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 1 November 2022
77. Waltz H*, Rodriguez-Ramos C, Dye-Braumuller K, **Nolan M**. Tick-borne red meat allergy: a survey of diagnosed alpha-gal syndrome in South Carolina. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 1 November 2022
78. 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**. A case series of autochthonous Chagas disease identified among California and Arizona blood donors. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 1 November 2022
79. Gual Gonzalez L**, McCarter MSJ, Peebles M, **Nolan MS**. Evaluation of the knowledge and level of concern of rabies among South Carolina residents for appropriate public health education programs. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 2 November 2022
80. Gual Gonzalez L**, Laporta GZ, Cantillo-Barraza O, **Nolan MS**. Acute oral Pediatric Chagas disease case series in Latin America: broad implications of an emerging transmission. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 2 November 2022

81. Gunter SM, Oluyomi A, Erickson T, Li H, Fredregill C, Helfand J, **Nolan MS**. Next generation mosquito control: remote sensing and applied machine learning techniques accurately predict *Culex* sp. Abundance and mosquito breeding habitats. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 2 November 2022
82. Dye-Braumuller KC***, Lynn MK, Cornejo PM, Rodriguez Aquino MS, **Nolan M**. Unearthing spotted fever group rickettsioses foci in Central America. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 2 November 2022
83. McCarter MSJ**, Self S, Dye-Braumuller KC, Lee C, Li H, **Nolan MS**. The utility of a Bayesian predictive model to forecast neuroinvasive West Nile virus in the United States, 2022. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Poster Presentation. 2 November 2022
84. Aguerro F, Ricci AD, Bracco LE, Ramsey JM, Torrico F, Altcheh J, Kesper N, Villar JC, Marco JD, **Nolan MS**. The Chagas antigen and epitope atlas: deep serological surveys of human Chagas disease populations. *American Society of Tropical Medicine and Hygiene's 2022 Annual Meeting, Seattle, WA*. Podium Presentation. 3 November 2022
85. **Nolan MS**, Braumuller K. Eco-epidemiology of spotted fever group rickettsioses and their tick vectors in South Carolina. *2022 Entomologic Society of America and Entomologic Society of Canada Joint Annual meeting, Vancouver, Canada*. Podium Presentation. 16 November 2022
86. Kidd L, Boehme H, **Nolan M**, Dawson R. Consequences of lost social connectivity during the COVID-19 pandemic. *2022 American Society of Criminology meeting, Atlanta, GA*. Podium Presentation. 17 November 2022.
87. **Nolan M**. South Carolina tick surveillance. *2023 Mid-Atlantic Mosquito Control Association meeting, Savannah, GA*. Podium Presentation. 11 January 2023
88. Dill A*, Dye-Braumuller K, Zellars K, **Nolan MS**. Lyme disease vector geographic range expansion: South Carolina is a battleground of *Ixodes scapularis* subclades competing for new ecosystems. *2023 American Mosquito Control Association scientific meeting, Reno, NV*. Poster Presentation. 27 February 2023
89. Dye-Braumuller K***, **Nolan MS**, Gunter SM, Li H, Zhou J. Novel tools for increasing mosquito surveillance efficiency: using machine learning to develop an Aedes egg counter app. *2023 American Mosquito Control Association scientific meeting, Reno, NV*. Podium Presentation. 27 February 2023
90. Dawson R, Boehme H, Dunham-Thorton J, Becks K, **Nolan M**. We rely on each other: A qualitative exploration of Native American experiences during the COVID-19 pandemic. *2023 Association of Community Health Nurse Educators and Association of Public Health Nurses Joint Conference, San Diego, CA*. Podium Presentation. 4 June 2023
91. Bramlett K**, Owens Pickle E, Dye-Braumuller K, Meyers M, **Nolan M**. Examining the infection rate of three *Ehrlichia* species using statewide surveillance of *Amblyomma americanum*, *Amblyomma maculatum*, and *Ixodes scapularis*. *69th Annual South Carolina Entomological Society Meeting, Columbia, SC*. Poster Presentation. 5 October 2023
92. Brown K**, Owens Pickle E, Sweeney S, Bramlett K, Weber M, **Nolan M**. Eco-epidemiology study of ectoparasites, vector-borne pathogens, enzootic and zoonotic disease at a South Carolina zoo. *69th Annual South Carolina Entomological Society Meeting, Columbia, SC*. Poster Presentation. 5 October 2023

93. Kaminski L**, Owens Pickle E, **Nolan MS.** Prevalence of questing and host-attached ticks from South Carolina. *69th Annual South Carolina Entomological Society Meeting, Columbia, SC.* Poster Presentation. 5 October 2023
94. Gual Gonzalez L***, Dye-Braumuller KC, Rustin LP, Evans CL, Neault MJ, **Nolan MS.** Invasive species investigation: Asian longhorned tick *Haemaphysalis longicornis* (Acari:Ixodidae) in York County, South Carolina. *69th Annual South Carolina Entomological Society Meeting, Columbia, SC.* Podium Presentation. 5 October 2023
95. **Nolan M.** Leveraging public-private-academic partnerships to mitigate emerging tick-borne diseases. *Ohio Regional Tick Symposium 2023, Columbus, OH.* Podium Presentation. 12 October 2023.
96. Gilmore KR**, Lynn MK, Meyer M, Knapp H, Self S, Huang R, **Nolan MS.** dPCR or qPCR? Identifying the Best Method for Indeterminant Chagas Disease Diagnostics. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 19 October 2023
97. Fridriksson E*, Witt L, Dye-Braumuller K, Li H, **Nolan MS.** The effect of seasonal temperature change and geospatial factors on mosquito West Nile virus vectors in Columbia, South Carolina, USA. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 19 October 2023
98. Owens Pickle E**, Saunders E, Voroblov J, Commins S, **Nolan M.** Alpha-gal allergy seroprevalence in rural and minority populations; Evidence alpha-gal syndrome is a neglected disease in the southern USA. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 21 October 2023
99. Muraleedharan A*, Meyer M, Dye-Braumuller K, Li H, **Nolan MS.** Epidemiologic variables associated with human West Nile virus seroprevalence in a high endemicity area of South Carolina. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 21 October 2023
100. Abiodun T*, Gual-Gonzalez L, **Nolan MS.** Defining the tick-borne disease occupational risk among three high-risk groups from South Carolina. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 21 October 2023
101. Gual-Gonzalez L***, Cantillo-Barraza O, Medina M, Patino S, Self SCW, **Nolan MS.** Epidemiology of spotted fever group *Rickettsiae* and Chagas disease exposure in a rural community in Boyacá, Colombia. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 21 October 2023
102. Lynn MK***, Rodriguez Aquino MS, Cornejo Rivas PM, Miranda X, Torres-Romero DF, de Castro A, Cowan H, Meyer MM, Castro Godoy W, Self SCW, Kanyangarara M, Campbell BA, **Nolan MS.** The burden and impact of TORCH infections among perinatal women and their neonates in El Salvador. *American Society of Tropical Medicine and Hygiene's 2023 Annual Meeting, Chicago, IL.* Poster Presentation. 21 October 2023
103. **Nolan MS.** Advocating for surveillance funds in a changing public health priority environment. *2023 Entomology Conference, National Harbor, MD.* 7 November 2023
104. Zhao X**, Self S, **Nolan MS.** A bayesian spatio-temporal regression model for group testing data. *American Public Health Association 2023 Meeting and Expo, Atlanta, GA.* Podium Presentation. 13 November 2023

105. **Nolan MS**, Moncayo A, Boyce R, Gaff H, Kelly R, Nguyen TT, Swale D, Dinglasan R, Hermance M, Caride K. Lone star tick vector control planned interventions and strategies in the Southeastern USA. *Vector Week 2024, Ft Collins, CO*, Poster Presentation, 7 February 2024.
106. Dawson RM, Boehme H, **Nolan MS**. “The doctors didn’t want to see you”: Exploring rural Black and Native American experiences with technology-facilitated healthcare interventions during the COVID-19 pandemic. *Southern Nursing Research Society 38th Annual Conference, Charlotte, NC*. Podium Presentation, 22 February 2024
107. Saunders EF, Zychowski D, Owens Pickle E, Alvarez C, Vorobiov J, Choudhary S, **Nolan MS**, Nelson AE, Commins SP. Alpha-gal seropositivity among screened cohorts in NC and SC. *American Academy of Allergy, Asthma and Immunology Annual Meeting, Washington, DC*. Poster Presentation, 24 February 2024.
108. Dye-Braumuller K***, **Nolan MS**. Not your grandmother’s West Nile: Transmission dynamics of West Nile virus in Richland County, SC do not follow traditional ecology or epidemiology. *American Mosquito Control Association, Dallas, TX*. Podium Presentation, 7 March 2024.
109. Gual Gonzalez L***, Zellars K, Meyer M, Evans C, Rustin L, Owens-Pickle E, Dye-Braumuller K, **Nolan M**. Unearthing transmission drivers of *Rickettsia parkeri* in South Carolina. *American Society of Rickettsiology annual scientific meeting, Williamsburg, VA*. Poster Presentation. 14 July 2024.
110. Zhao X, Self S, **Nolan MS**, Cai B, Mclain A. Bayesian Spatio-temporal Models for Group Testing Data. *2024 Joint Statistical Meeting, Portland, Oregon*, Podium Presentation, 5 August 2024
111. **Nolan M**. The changing eco-epidemiology of tick-borne spotted fever group rickettsioses: paired vector-clinical-environmental studies in the Americas. *International Congress of Entomology 2024, Kyoto, Japan*, Podium Presentation. 28 August 2024.
112. Bholra C**, Gilmore KR**, Brownlee J, Seal P, **Nolan M**. The clinical impact and immunomodulation of concomitant STIs in South Carolinian adolescents and young adults. *2024 STI Prevention Conference, Atlanta, GA*. Podium Presentation. 17 September 2024
113. Bramlett KE**, Owens Pickle E, Waltz H, Saunders E, Vorobiov J, Commins S, Haldeman M, **Nolan MS**. The growing trend of clinical tick-borne diseases in South Carolina. *2024 IDWeek (Infectious Disease Society of America’s annual meeting), Los Angeles, CA*. Poster Presentation. 18 October 2024
114. **Nolan MS**, Rodriguez S, Lynn MK, Meyer MM, Lee C, Campbell B. Novel diagnostic tools to enhance early detection of congenital Chagas disease. *2024 IDWeek (Infectious Disease Society of America’s annual meeting), Los Angeles, CA*. Poster Presentation. 18 October 2024
115. Meyer M, Knapp H, Heidt H, Lee C, Gual-Gonzalez L, Zellars K, Daguise V, **Nolan MS**. SARS-COV-2 self-testing modalities demonstrate concerning inaccuracies among rural, minority populations: The ALL-IN SC Study. *2024 IDWeek (Infectious Disease Society of America’s annual meeting), Los Angeles, CA*. Poster Presentation. 19 October 2024
116. Heidt H, Warlick K, Paras I, Gaffney T, Dawson R, **Nolan M**. The future of healthcare: Integrating community health workers, telemedicine and at-home tests to increase early disease screening among marginalized at-risk populations. *American Public Health Association 2024 Annual Meeting, Minneapolis, MN*. Poster Presentation. 28 October 2024.

117. Bramlett K**, Gual-Gonzalez L, Owens Pickle E, Dye-Braumuller K, Meyer M, Zellars K, Evans C, Rustin L, **Nolan M**. Defining the transmission risk profile of three *Ehrlichia* species using statewide surveillance of tick populations in South Carolina. *Entomology 2024, Phoenix, AZ*. Podium Presentation. 12 November 2024
118. Brown KM**, Weber M, Zellars K, Skvarla MJ, Knee W, **Nolan M**. Surveillance study of avian keds/louse flies (Diptera: Hippoboscidae) and related pathogens at a South Carolina zoo. *Entomology 2024, Phoenix, AZ*, Poster Presentation. 12 November 2024.
119. Gual-Gonzalez L***, Cantillo-Barraza O, **Nolan MS**. Multiple vector-borne disease exposures in a rural community in Colombia: understanding the One Health approach. *Entomology 2024, Phoenix, AZ*, Poster Presentation. 12 November 2024.
120. Jibowu M, Vigilant M, **Nolan M**, Rampuhl R, Essigmann HT, Oluyomi A, Brown E, Gunter S. Mapping mosquito-borne disease risks in Houston: An eco-epidemiological approach. *Entomology 2024, Phoenix, AZ*. Podium Presentation. 12 November 2024
121. Haldeman MS***, Heidt H, Bhola C, Gass SJ, **Nolan M**. A two-pronged big data approach to critically analyze *Strongyloides stercoralis* infections among rural, impoverished South Carolina residents. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Poster Presentation. 14 November 2024
122. Rayala N*, Muraleedharan A, Zellars K, **Nolan M**. Identifying and understanding human West Nile virus seroprevalence across South Carolina. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Poster Presentation. 14 November 2024
123. Muraleedharan A*, Pierson A, Cook A, Meyer M, Zellars K, **Nolan M**, Dye-Braumuller K. Arboviral surveillance in Charleston, SC: A collaborative academic-public investigation to unearth potential travel-associated invasive pathogen introductions. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Poster Presentation. 14 November 2024
124. Gual Gonzalez L***, Dye-Braumuller K, Rodriguez Aquino MS, Cantillo Barraza O, **Nolan MS**. Emergence of tick-borne spotted fever group *Rickettsia* in North, Central and South America: highlighting the need for attention. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Podium Presentation. 15 November 2024
125. Meyer MM, Gual-Gonzalez L, Bramlett K, Knapp H, Owens Pickle E, Zellars K, Dye-Braumuller K, **Nolan MS**. *Ixodes* species as secondary vectors for Rickettsiae and *Ehrlichia*: A phylogenetic and metagenomic analysis of Rickettsiales detected in questing South Carolina, USA ticks. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Poster Presentation. 15 November 2024
126. Jibowu M, **Nolan M**, Vigilant M, Brown EL, Ramphul R, Essigmann HT, Gunter SM. Understanding the eco-epidemiology of mosquitos in Houston, Texas: Informing public health strategies. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Poster Presentation. 15 November 2024
127. **Nolan M**. Autochthonous Chagas disease human transmission in the USA: Epidemiologic risk factors vary by geographic origin. *American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA*. Podium Presentation. 16 November 2024
128. Dye-Braumuller K***, **Nolan MS**. Unearthing spotted fever group rickettsiosis (SFGR) foci in Central America. *American Mosquito Control Association's 91st Annual Meeting, San Juan, Puerto Rico*. Podium Presentation. 4 March 2025

129. Muraleedharan A*, Pierson A, Cook A, Meyer M, Zellars K, **Nolan MS**, Dye-Braumuller K. Re-emerging mosquito pathogen surveillance in Charleston, SC. *American Mosquito Control Association's 91st Annual Meeting, San Juan, Puerto Rico.* Podium Presentation. 5 March 2025
130. Hughes A**, **Nolan MS**, Dye-Braumuller K. Assessing the role of deforestation in shaping mosquito abundance patterns across Brazil. *American Mosquito Control Association's 91st Annual Meeting, San Juan, Puerto Rico.* Podium Presentation. 5 March 2025
131. **Nolan MS**, Dye-Braumuller K, Zellars K, Meyer M. Ecological factors contributing to West Nile virus hyperendemicity in South Carolina, USA. *American Mosquito Control Association's 91st Annual Meeting, San Juan, Puerto Rico.* Podium Presentation. 6 March 2025
132. Dye-Braumuller K***, Da Costa Silva AL, Zhuo J, DeGennaro M, Gunter SM, **Nolan MS**. Machine learning and artificial intelligence for increasing mosquito surveillance efficiency: An update on the Aedes egg counter app. *American Mosquito Control Association's 91st Annual Meeting, San Juan, Puerto Rico.* Podium Presentation. 6 March 2025
133. Brown K**, Weber M, Zellars K, Skvarla MJ, Knee W, **Nolan M**. Surveillance study of louse flies (Diptera: Hippoboscidae) and related pathogens at a South Carolina zoo. *87th Annual Meeting of the Georgia Entomological Society and the 69th Annual Meeting of the South Carolina Entomological Society, Young Harris, GA.* Podium Presentation. 11 April 2025
134. Gual Gonzalez L***, **Nolan M**. Amblyomma maculatum distribution in South Carolina: Lessons learned from a 5 year surveillance initiative. *87th Annual Meeting of the Georgia Entomological Society and the 69th Annual Meeting of the South Carolina Entomological Society, Young Harris, GA.* Podium Presentation. 11 April 2025
135. Frick E, Pickle E, Meyer M, Ferro M, Brown K, **Nolan M**. Mutations among the Dermacentor variabilis. *87th Annual Meeting of the Georgia Entomological Society and the 69th Annual Meeting of the South Carolina Entomological Society, Young Harris, GA.* Poster Presentation. 11 April 2025
136. Hughes A**, **Nolan MS**, Dye-Braumuller K, Hollingsworth B, Self S. Impact of deforestations on Brazilian Culex mosquitos and the risk of arboviral spillover. *87th Annual Meeting of the Georgia Entomological Society and the 69th Annual Meeting of the South Carolina Entomological Society, Young Harris, GA.* Poster Presentation. 11 April 2025
137. Tabassum N, Bramlett K, Gezer F, Tanim S, **Nolan M**, Rennert L. Multiscale ecological factors influencing the presence and abundance of the lone star tick in South Carolina state parks. *87th Annual Meeting of the Georgia Entomological Society and the 69th Annual Meeting of the South Carolina Entomological Society, Young Harris, GA.* Poster Presentation. 11 April 2025
138. **Nolan M**. CDC Regional Centers of Excellence on Vector-borne Diseases. *27th Annual American Mosquito Control Association's Washington Conference, Washington DC,* Invited Podium Presentation. 13 May 2025
139. **Nolan M**. Vector-Borne Diseases in South Carolina. *South Carolina Infectious Disease Society Annual Conference and Summer Meeting, Greenville, SC,* Invited Podium Presentation. 21 June 2025
140. Meyer MM, Gual-Gonzalez L, Brown, Dye-Braumuller K, **Nolan MS**. Consider the secondary vector—the impact of alternative vectors on pathogen evolution. *American Society of Microbiology Microbe, Los Angeles, CA,* Poster Presentation. 21 June 2025.

141. **Nolan M.** Eco-epidemiology of Rickettsial infections in the Americas, *American Society of Rickettsiology Annual Scientific Meeting, Asheville, NC*, Invited Keynote Podium Presentation, 13 July 2025
142. Gilmore K**, Meyer M, Zellars K, Kanyangarara M, **Nolan M.** Biological influences in vaginal microbiome composition and STI outcomes. *International Society for Sexually Transmitted Infections' STI & HIV 2025 World Congress, Montreal, Canada*, Poster Presentation, 28 July 2025.
143. Pickle E***, Meyer M, Zellars K, Knapp H, Zychowski D, Sweeney S, Bramlett K, Dye-Braumuller K, Self S, Boyce R, Commins SP, **Nolan M.** Detection of Heartland virus in field-collected lone star ticks in South Carolina, USA. *70th Annual Meeting of the South Carolina Entomological Society, Clemson, SC*. Podium Presentation. 2 October 2025
144. Frick E, Braumuller K, Owens Pickle E, Forrey E, Bernick J **Nolan M.** An expansion of unusual physical anomalies in field-caught *Dermacentor variabilis*. *70th Annual Meeting of the South Carolina Entomological Society, Clemson, SC*. Podium Presentation. 2 October 2025
145. Brown K, Weber M, Zellars, Gual-Gonzalez L, Meyer MM, **Nolan M.** West Nile virus in Louse flies (Diptera: Hippoboscidae) collected from rehabilitated raptors in South Carolina *70th Annual Meeting of the South Carolina Entomological Society, Clemson, SC*. Podium Presentation. 2 October 2025
146. Owens Pickle E**, Saunders S, Dye-Braumuller K, Self S, Vorobiov J, Commins S, **Nolan M.** An emerging allergy with expanding reach: lone star ticks and alpha-gal syndrome in the American South. *American Society of Tropical Medicine and Hygiene Annual Meeting, Toronto, Canada*. Poster Presentation. 10 November 2025
147. Brown K, Weber M, Zellars K, Meyer M, Skvarla M, **Nolan M.** A South Carolina surveillance study of avian louse flies (Diptera: Hippoboscidae) and host related pathogens, *Entomologic Society of America Annual Conference (Entomology 2025), Portland, Oregon*. Podium Presentation. 11 November 2025.
148. Frick E, Brown K, Braumuller K, Owens Pickle E, **Nolan M.** Unusual physical anomalies in field-caught *Dermacentor variabilis*. *Entomologic Society of America Annual Conference (Entomology 2025), Portland, Oregon*. Poster Presentation. 11 November 2025
149. Jibowu M, Guo S, da Costa-da-Silva A, Li H, Zhou J, Dye-Braumuller K, DeGennaro M, **Nolan M**, Gunter SM. Environmental and Infrastructural Drivers of *Aedes* spp. Mosquito Abundance in Houston, Texas, USA, *American Society of Tropical Medicine and Hygiene Annual Meeting, Toronto, Canada*. Poster Presentation. 12 November 2025
150. Meyer M, **Nolan M.** *Trypanosoma cruzi* Discrete Typing Units and the serological diagnostic landscape for chronic Chagas disease. *American Society of Tropical Medicine and Hygiene Annual Meeting, Toronto, Canada*. Poster Presentation. 12 November 2025
151. **Nolan M.** Next generation diagnostics for congenital Chagas disease: Preliminary findings from a two-year study in El Salvador. *American Society of Tropical Medicine and Hygiene Annual Meeting, Toronto, Canada*. Podium Presentation. 12 November 2025
152. Bullock A, Sweeney S, Giandomenico D, **Nolan M**, Reiskind M, Williams C, Boyce R. Tick-borne disease in a Western NC community: Early observations from a community-based investigation. *Vector Week 2026, Ft Collins, CO*. Poster Presentation. 12 March 2026.

153. Nyame MM**, Dye-Braumuller K, Gual-Gonzalez L, Hollingsworth B, Self S, Cartner R, **Nolan M.** Knowledge, conspiracy beliefs, scientific sentiments, and public perceptions regarding mosquito-borne disease among South Carolina residents. *American Mosquito Control Association Annual Meeting, Portland, OR.* Poster Presentation. 23 March 2026
154. Sweeney S**, Brown K, Dye-Braumuller K, Gual-Gonzalez L, **Nolan M.** An exploratory investigation of Chagas disease and triatomine vector ecology in Joshua Tree National Park, California. *American Mosquito Control Association Annual Meeting, Portland, OR.* Poster Presentation. 23 March 2026
155. Li H***, Lee C, Sweeney S, **Nolan M.** Spatiotemporal analysis of dengue in Mexico:1985-2026. *American Mosquito Control Association Annual Meeting, Portland, OR.* Podium Presentation. 23 March 2026
156. Nieuwoudt C***, Moses J, Berry Z, Pasko D, Lynn MK, **Nolan M,** Eichelberger K. Beyond the Prenatal Visit: Identifying Health System Opportunities to Improve the Diagnosis and Treatment of Maternal Syphilis. *2026 Infectious Disease Society for Obstetrics and Gynecology Annual Meeting, Lake Geneva, WI.* Poster Presentation. 16 July 2026.
157. **Nolan M.** Chagas: Coming to a patient near you. *2026 Infectious Disease Society of America's Annual Conference (ID Week), Washington, DC,* Invited Podium Presentation. 24 October 2026.
158. **Nolan M.** Clinical phenotypes and genetic variations of Rickettsial infections in the southeastern US. *28th Congreso Latinoamericano de Parasitologia, Cartagena, Colombia,* Invited Podium Presentation. 27 October 2026

Leadership Role on Organized Symposia

1. **Nolan M**, Moriana S. Kiss of Death: Triatomines and *Trypanosoma cruzi*. *7th International Congress of the Society of Vector Ecology, Majorca, Spain*, 1-6 October 2017.
2. **Nolan M**, Kersh G. Vector-borne Zoonoses. *48th Annual Conference of the Society of Vector Ecology, Yosemite, California*, 7-11 October 2018
3. **Nolan M**, Dorn P, Lima R. Inaugural Women of Science Hosted Breakfast. *48th Annual Conference of the Society of Vector Ecology, Yosemite, California*, 7-11 October 2018
4. **Nolan M**. Emerging Chagas disease vectors and entomologic aspects of concern. *51st Annual Conference of the Society of Vector Ecology, virtual meeting*, 16-17 September 2021
5. Coetzee T, Endy T, Fallon B, Johnson L, Nath A, **Nolan M**, Obregon R, Proal A, Rowe P. Toward a common research agenda in infection-associated chronic illnesses. *National Academies of Sciences, Engineering and Medicine, Forum on Microbial Threats, Washington, DC*. 29-30 June 2023.
6. Altchech J, Bohorquez L, Marcelo A, **Nolan M**, Padilla JA, Periago V, Pinazo MJ, Sancho J, Schijman A, Silvestre A. Moving towards 1030 Chagas elimination: Strengthening health systems and access to comprehensive care. *COR-NTD 2023 Annual Conference, Chicago, IL*. 16 October 2023.
7. Gordon J, Crawley S, Gunter SM, **Nolan MS**. A dash of epidemiology, a skosh of entomology and a dollop of science policy is a recipe for success. *2023 Entomology Conference, National Harbor, MD*. 7 November 2023
8. Cantillo Barraza O, **Nolan MS**. Advances in triatomine ecology and control. *IX Colombian Meeting on Research in Leishmaniasis and Chagas and to the XIX PECET Symposium: Advances in Research on Tropical Diseases, Medellin, Colombia*. 15 August 2024.
9. **Nolan MS**, Bowman N. Advances in the diagnosis and treatment of congenital Chagas disease. *74th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Toronto, Canada*. 12 November 2025

Legislative and Policy Engagement

1. **116th U.S. Congress**, regarding *S.1657 Kay Hagan Tick Act*, on November 18 - 19, 2019 met with:
 - Nick Myers and Kaitlin Burt, Office of Senator Lindsey Graham
 - Conor Sheehey, Office of Senator Tim Scott
 - Seth Ismail, Office of Congressman Jim Clyburn
 - Jordan Marsh, Director of Federal Affairs, Office of the Governor, State of South Carolina
 - RaShawn Mitchell, Office of Congressman Joe Cunningham
 - Jake Hilkin, Office of Congressman Ralph Norman
 - John Partin, Office of Congressman William Timmons
 - Chelsea Bacher, Office of Congressman Tom Rice
 - Drew Kennedy, Office of Congressman Joe Wilson
 - Allen Klump and Marimac Moore, Office of Congressman Jeff Duncan
2. **118th U.S. Congress**, regarding *U.S. Department of Agriculture's 2023 Farm Bill*, on June 7, 2022 met with:
 - Hanna Chauvin, Staff Member for the Senate Appropriations Subcommittee on Agriculture, rural Development, Food and Drug Administration and Related Agencies (Majority)
 - Ryan Mowrey, Legislative Aide, Office of Senator Lindsey Graham
 - Corry Harris, Legislative Director, Office of Representative Jim Baird
 - Adam Battalio, Legislative Assistant, Office of Senator Mike Braun
 - KP Pratt, Deputy of Chief of Staff, and Olivia Wilhite, Legislative Correspondent, Office of Congressman Peter DeFazio
3. **118th U.S. Congress**, regarding *establishment of new USC Institute*, on November 9, 2023 met with:
 - Scott Graber, Senior Counsel, Office of Senator Lindsey Graham
 - Fred Davis, Legislative Assistant, Office of Congressman William Timmons
 - Jackson Long and Meghan McCully, Legislative Staff, Office of Senator Tim Scott
 - Carlton Baillif, Legislative Assistant, Office of Congressman Jim Clyburn
4. **U.S. Department of Health and Human Services**, regarding *Public Engagement Roundtable for the Vector-borne Disease National Strategy*, on May 23, 2024 met with:
 - Dr Lyle Petersen, Director, Division of Vector-borne Diseases, US CDC
 - Dr Leith States, Chief Medical Officer and Acting Director, Office for the Assistant Secretary of Health, Department of Health and Human Services (HHS)
 - Dr. Susanna Visser, Deputy Director of Policy and Extramural Program, Division of Vector-borne diseases, US CDC
 - Dr Kristen Honey, Chief Data Scientist and Executive Director, HHS InnovationX, office of Science and Medicine, HHS
5. **119th U.S. Congress**, regarding *the need for a state academic BSL-3 laboratory facility*, on November 25, 2024 met with:
 - Meghan McCully, Legislative Assistant, Office of Senator Tim Scott
 - Briana Bateman, Regional Director, Office for Senator Tim Scott
6. **119th U.S. Congress**, regarding *the need for a state academic BSL-3 laboratory facility*, on April 24, 2025 met with:
 - Ryan Mowrey, Legislative Assistant, Office of Senator Lindsey Graham
 - Grant Singleton, Deputy Legislative Assistant, Office of Senator Lindsey Graham
 - Shaefer Cabaniss, Constituent Services Representative, Office of Senator Lindsey Graham

7. **119th U.S. Congress**, *regarding the impacts of the new USC Institute for Infectious Disease Translational Research, the CDC Southeastern Center of Excellence in Vector-borne Disease, and gauge congressional support for a large Department of Defense community infrastructure grant (\$20 million)*, on May 14, 2025 met with:
- Isaac Lawson, Legislative Assistant, Office of Congressman Ralph Norman
 - Jackson Long, Legislative Director, Office of Congressman Russell Fry
 - Aaron Larson, Deputy Chief of Staff, Office of Congressman William Timmons, IV
 - Acacia Salatti, Senior Advisor, Office of Congressman James Clyburn
 - Jon Maslyn, Legislative Assistant, Office of Congresswoman Nancy Mace
 - Thomas McAllister, Deputy Chief of Staff, Office of Congresswoman Sheri Biggs
 - Daniel Litescu, Staff Assistant, Office of Congressman Joe Wilson
 - Joe Wilson, Congressman, Second District of South Carolina
 - Shamie Das, Health Policy Fellow, Office of Senator Tim Scott
 - Shaefer Cabaniss, Legislative Aide, Office of Senator Lindsey Graham
 - Kaitlin Williams, Senior Policy Advisor, Office of Senator Lindsey Graham
8. **119th U.S. Congress**, *regarding Alpha-gal Allergen Inclusion Act* on 23 March 2026 met with:
- Chase Busch, Legislative Assistant, Office of Congresswoman Sheri Biggs
9. **119th U.S. Congress**, *regarding tick-borne and emerging pathogen research in South Carolina*, on 22 May 2026
- Grant Singleton, Deputy Legislative Assistant, Office of Senator Lindsey Graham

Live Film, Live Radio, and Print Media Interviews

1. Contagion: Could It Happen?, *WOAI News Radio San Antonio*, Live Radio Interview, 14 September 2011
2. Could Contagion Really Happen?, *Culture Map Houston*, Print Interview, 17 September 2011
3. Undiagnosed, undertreated Chagas disease emerging as US public health threat, *ScienceDaily*, Print Interview, 4 November 2014
4. Southern United States is warned against Chagas Disease, *BetaWired*, Print Interview, 4 November 2014
5. Experts warn of cases of Chagas disease in U.S., *LaPresasaa*, Print Interview, 4 November 2014
6. 'Kissing Bug' now spreading tropical disease in US, *Health Day*, Print Interview, 4 November 2014
7. New research: Undiagnosed, undertreated Chagas disease emerging as US public health threat, *EurekAlert*, Print Interview, 4 November 2014
8. Chagas disease parasite found in Texas, *Daily Rx*, Print Interview, 4 November 2014
9. 'Kissing bug' disease: Should you be worried?, *The Washington Post*, Print Interview, 5 November 2014
10. "Kissing bug" makes its way into Texas, *Houston Channel 2 KRBC Nightly News*, Live Television Interview, 5 November 2014
11. Chagas disease-a new public health threat for Americans, *Medical News Today*, Print Interview, 5 November 2014
12. Think Ebola is Bad? Chagas, the 'Kissing bug' disease, is much worse and often symptomless, *Medical Daily*, Print Interview, 5 November 2014
13. 'Kissing bugs' spreading Chagas disease in US, *MPR*, Print Interview, 5 November 2014
14. 'Kissing bug' disease creeps into US, but symptoms often missed, *Aljazeera America*, Print Interview, 7 November 2014
15. 'Kissing bug' disease infects over 300,000 people in the US...most of whom don't know they have the parasite referred to as 'the new AIDS', *UK Daily Mail*, Print Interview, 9 November 2014
16. Blood-sucking 'kissing bug' sees 300K Americans infected with deadly disease, *Reuters*, Print Interview, 10 November 2014
17. "Kissing bug" disease: Should you be worried about Chagas? *The Independent*, Print Interview, 10 November 2014
18. "Kissing bug disease": What Canadians need to know about Chagas, *Global News (Canada)*, Print Interview, 10 November 2014
19. Chagas disease dubbed 'New AIDS!' How to protect yourself from 'Kissing bug' disease infecting 300K in US, *Latin Times*, Print Interview, 11 November 2014

20. Kiss of death, *Snopes*, Print Interview, 11 November 2014
21. Tim Denis Morning Show, *News Talk 610 CKTB, Ontario, Canada*, Live Radio Interview, 13 November 2014
22. Outbreak News This Week, *The Global Dispatch, Tampa, Florida*, Live Radio Interview, 13 November 2014
23. Afternoons with Simon Mercep, *Radio New Zealand*, Live Radio Interview, 14 November 2014
24. Jim Harrison Show, *Radio NL Kamloopas BC Canada*, Live Radio Interview, 14 November 2014
25. Kissing bug disease, Chikungunya, and Dengue in the US, *Healthline*, Print Interview, 20 November 2014
26. Bed bugs, kissing bugs linked to deadly Chagas disease in US, *Scientific American*, Print Interview, 10 December 2014
27. Putting Chagas Disease on the US Radar Screen, *Journal of the American Medical Association*, Print Interview, 24 March 2015
28. Chagas disease: How a silent tropical parasite prospers in the US, *International Business Times*, Print Interview, 26 May 2015
29. Texas Standard, *NPR Austin*, Radio Interview, 6 October 2015
30. Zika virus and Chagas disease: Interview with Experts, *Outbreak News Today*, Live Radio Interview, 20 December 2015
31. Researchers study prevalence of Chagas disease in Houston, *Fox 26 News Houston*, Live Television Interview, 19 July 2016
32. Chagas disease more prevalent in US than thought, *PBS Nova Next*, Print Interview, 19 December 2016
33. Flea-borne bacterial disease spreading wider in Texas, *Stat News*, Print Interview, 15 March 2017
34. Murine typhus-USA(TX): increase cases, geographic expansion, 2003-2013, *Outbreak Watch*, 17 March 2017
35. Cases of Murine Typhus increasing in Texas, *The Scientist*, Print Interview, 20 March 2017
36. Anti-vaccine angst: How US exemption hotspots could harm public health, *Plos Research News*, Print Interview, 12 June 2018
37. Exemptions in childhood vaccines rise in parts of the US with implications for disease risk, *Houston Style Magazine*, Print Interview, 12 June 2018
38. 15 Metropolitan areas have large numbers of unvaccinated kindergarten students, *Medicalresearch.com*, Print Interview, 13 June 2018
39. These 15 U.S. cities are hotspots for kids not getting vaccines, *USA Today*, Print Interview, 13 June 2018

40. Detroit amongst top US cities not getting vaccinated. *ivaccinate*, Print Interview, 13 June 2018
41. These 15 U.S. cities are hotspots for kids not getting vaccines. *WKYC 3*, Live TV Interview, 13 June 2018
42. Study: Phoenix has the largest number of unvaccinated kids in U.S. *KJZZ NPR The Show*, Live Radio Interview, 14 June 2018
43. Deadly kissing bug spreads Chagas disease throughout Texas. *Corpus Christi Caller Times*, Print Interview, 25 June 2018
44. Fight the bite: Targeting mosquito habitats using geographic information system software. *TMC Newsletter*, Print Interview, July 2018
45. How remote sensing can help scientists pinpoint mosquito breeding zones and control disease. *Texas Standard*, Print Interview, 31 October 2018
46. Public health emergency declared over measles in anti-vax hotspot over measles in anti-vax hotspot near Portland, Oregon. *CBS News*, Print Interview, 23 January 2019
47. China coronavirus is spreading-what precautions is the U.S. taking and is there a vaccine?. *Newsweek*, Print Interview, 22 January 2020
48. China coronavirus death toll rises to nine, confirmed cases pass 450. *The Wall Street Journal*, Print Interview, 22 January 2020
49. Coronavirus infections have more than doubled. Here's why the mysterious illness from China spreads so quickly. *Market Watch*, Print Interview, 22 January 2020
50. UofSC public health researcher discusses deadly Wuhan coronavirus. *ABC Columbia*, TV Interview, 23 January 2020
51. Tracking the coronavirus' spread. *Axios World Newsletter*, Print Interview, 27 January 2020
52. Must-know vocab for Wuhan coronavirus: From droplets to zoonotic. *NPR*, Print Interview, 28 January 2020
53. Coronavirus cases in US should not cause mass panic, experts warn: 'You are more at risk for the flu'. *Fox News*, *Print Interview*, 29 January 2020
54. A deadly virus is spreading from state to state and has infected million Americans so far. It's influenza. *CNN*, *Print Interview*, 30 January 2020
55. Coronavirus scare you? Flu should scare you more. *NPR: South Carolina Public Radio*, *Radio Interview*, 5 February 2020
56. Coronavirus came from bats or possibly pangolins amid acceleration of new zoonotic infections. *Washington Post*, *Print Interview*, 7 February 2020
57. Lack of coronavirus info 'problematic': China reporting methods under scrutiny as US cases hit 15. *USA Today*, *Print Interview*, 13 February 2020

58. Coronavirus-infected Americans flown home against CDC's advice, Washington Post, *Print Interview*, 20 February 2020
59. Can a coronavirus pandemic even be stopped? US warns of 'severe' disruptions, USA Today, *Print Interview*, 25 February 2020
60. Grappling with coronavirus, Tokyo Olympic leaders have no good options, New York Times, *Print Interview*, 26 February 2020
61. Is South Carolina braced for COVID-19? A USC Dr Says Yes, South Carolina Public Radio, *Radio and Print Interview*, 27 February 2020
62. Will warmer weather stop the spread of the coronavirus? Don't count on it, say experts, TIME Magazine, *Print Interview*, 28 February 2020
63. Mexico confirms first case of coronavirus, The Wall Street Journal, *Print Interview*, 28 February 2020
64. Coronavirus, WWL New Orleans First News, *Live Radio Interview*, 28 February 2020
65. In China's war on the coronavirus, a community is besieged, New York Times, *Print Interview*, 29 February 2020
66. How South Carolinians should be preparing for COVID-19, South Carolina Public Radio, *Radio and Print Interview*, 2 March 2020
67. How the coronavirus compares with the flu, The Washington Post, *Print Interview*, 4 March 2020
68. Health care workers worry about coronavirus protection, The Washington Post, *Print Interview*, 5 March 2020
69. How a grassroots USC project could build the state's first database of ticks, South Carolina Public Radio, *Radio and Print Interview*, 11 March 2020
70. Comic: I spend a day in coronavirus awareness mode. Epidemiologists, how did I do? Goats and Soda-National Public Radio, *Print Interview*, 12 March 2020
71. South Carolina's coronavirus response, WACH Fox News- OnPoint with Cynthia Hardy, *Live TV Interview*, 15 March 2020
72. Could the coronavirus outbreak be gone by summer? What we don't know is 'epic', USA Today, *Print Interview*, 15 March 2020
73. This week in South Carolina: Coronavirus, South Carolina ETV, *Live TV Interview*, 20 March 2020
74. Coronavirus live blog: Infectious Disease Expert Dr. Melissa Nolan, Fox News, *Live Interview*, 27 March 2020
75. Coronavirus is spreading so quickly that our brains can't keep up. Experts explain why, USA Today, *Print Interview*, 28 March 2020
76. Three months into the pandemic, here is what we know about the coronavirus, Washington Post, *Print Interview*, 28 March 2020

77. Warm weather doesn't preclude coronavirus, South Carolina Public Radio, *Radio Interview*, 30 March 2020
78. State representative call for Gov. McMaster to issue 'stay-at-home' order, WIS TV, *Film Interview*, 1 April 2020
79. Johnson county's plans for wider COVID-19 testing is stalled due to lack of swabs, Kansas Public Radio, *Print Interview*, 7 April 2020
80. A bridge between life and death: Most COVID-19 patients put on ventilators will not survive, USA Today, *Print Interview*, 8 April 2020
81. UNews, Univision News, *Live TV Interview*, 16 April 2020
82. Coronavirus crisis: What are the potential long-term health impacts, Fox News, *Print Interview*, 22 April 2020
83. Can golden boy bring boxing back?, New York Times, *Print Interview*, 2 May 2020
84. UofSC to resume in-person instruction beginning in mid-August, WIS TV, *Film Interview*, 6 May 2020
85. New York, New Jersey allow coronavirus-infected health care workers to tend to sick, elderly after just 7 days, Fox News, *Print Interview*, 11 May 2020
86. What you need to know about COVID-19 moving forward, WIS TV, *Film Interview*, 12 May 2020
87. What experts are learning about COVID-19, WIS TV, *Print Interview*, 12 May 2020
88. Health experts react to Dr. Fauci's comments that he'd want to clone SC's response to COVID-19, WIS TV, *Film Interview*, 13 May 2020
89. DHEC's expanded use of contact tracing in South Carolina could go digital, ABC Columbia, *Film Interview*, 13 May 2020
90. How MLB is navigating the coronavirus pandemic to play ball, ESPN, *Print Interview*, 19 May 2020
91. Many businesses promise to 'deep clean' offices before reopening. But what does that mean?, USA Today, *Print Interview*, 3 June 2020
92. Some public health experts believe protests could lead to flareup in COVID-19 cases in SC, WIS TV, *Film Interview*, 3 June 2020
93. Preparing families and individuals for re-introducing themselves to society from an epidemiologist, AllMomsNeedHelp.com, *Live TV Interview*, 5 June 2020
94. Public health experts say recent spike in COVID-19 cases reinforces need for social distancing, ABC Columbia, *Film Interview*, 8 June 2020
95. Pourquoi la pandémie ne reflue pas aux Etats-Unis comme en Europe, Agence France-Presse, *Print Interview*, 9 June 2020

96. "Pandemic is still here": US hits 2M cases; 100,000 more could die in coming months, USA Today, *Print Interview*, 11 June 2020
97. Sports are returning. Virus cases are rising. How many is too many?, New York Times, *Print Interview*, 30 June 2020
98. SC among top 5 hot spots for coronavirus in the nation, WIS TV, *Film Interview*, 13 July 2020
99. Notre Dame, and everyone else, is feeling bleak about college football, The Wall Street Journal, *Print Interview* 15 July 2020
100. Can you get infected with COVID-19 twice? Experts say possibility is 'certainly real', USA Today, *Print Interview*, 16 July 2020
101. U.S. coronavirus infections fall below 60,000 for second straight day, The Wall Street Journal, *Print Interview*, 28 July 2020
102. How sports, coronavirus and hygiene mix: spit, snot rockets and licking during return to play, ESPN, *Print Interview*, 29 July 2020
103. Coronavirus vaccine, BBC World News, *Live TV Interview*, 1 August 2020
104. 11 supposedly fun things we'll never do again, New York Times, *Print Interview*, 11 August 2020
105. What epidemiology is and reasons to study it, US News and World Report, *Print Interview*, 20 August 2020
106. UofSC president to discuss start of classes and university's Covid-19 mitigation plan, WSPA TV, *Film Interview*, 20 August 2020
107. Top USC coronavirus officials strike positive tone in COVID case numbers, testing, The State, *Film Interview*, 1 September 2020
108. President Donald Trump's hospitalization has aides wondering if more should have been done to protect him, Time Magazine, *Print Interview*, 2 October 2020
109. Trump reports feeling better, but next few days are 'the real test' in his COVID-19 battle, USA Today, *Print Interview*, 3 October 2020
110. Covid-19 testing lags as cases increase across the United States, NBC News, *Print Interview*, 19 October 2020
111. 'SC STRONG' initiative is aimed at identifying health inequities across SC, ABC Myrtle Beach, *Print Interview*, 22 October 2020
112. DHEC partnering with UofSC to lead SC STRONG initiative to evaluate coronavirus infection and immunity over time, ABC Columbia, *Print Interview*, 22 October 2020
113. DHEC, UofSC roll out new, random Covid-19 testing program, WIS TV, *Film Interview*, 28 October 2020
114. There's no way to sugarcoat it: COVID-19 cases are surging; one American dies every 107 seconds, USA Today, *Print Interview*, 28 October 2020

- 115.'Denial has ruled': Daily infection total surpasses 100,000; seven-day record also falls. USA Today, *Print Interview*, 5 November 2020
- 116.Why health officials are terrified of a pandemic Christmas. Washington Post, *Print Interview*, 1 December 2020
- 117.As COVID-19 hospitalizations near 100,000 in US, experts fear facilities soon be 'overrun' by patients and a lack of staff. USA Today, *Print Interview*, 2 December 2020
- 118.Quarantine now if you plan to see family this Christmas. WIS TV, *Film Interview*, 16 December 2020
- 119.Fast-moving new coronavirus strain in England raises alarms. USA Today, *Print Interview*, 20 December 2020
- 120.Yes, the coronavirus is mutating, and that's no reason to freak out. Men's Health, *Print Interview*, 21 December 2020
- 121.'From totally unacceptable to unacceptable': Health experts say COVID cases in SC are declining. WIS TV, *Film Interview*, 11 February 2021
- 122.A 4th COVID-19 surge may be starting. How bad could it get? NPR, *Print Interview*, 2 April 2021
- 123.155 breakthrough COVID-19 cases reported in SC: What are they? WIS TV, *Film Interview*, 12 April 2021
- 124.Científicas de la Universidad de Carolina del Sur, EE.UU., investigan en la UES. El Universitario, *Film Interview*, 12 May 2021
- 125.Tick tick tick: what a plucky band of parasite hunters found in SC's woods. South Carolina Public Radio, *Print Interview*, 20 May 2021
- 126.Overcoming anxiety to return-to-normal. WIS TV, *Live Film Interview*, 26 May 2021
- 127.Memorial day weekend gatherings may mean an increase in COVID cases. WLTX 19, *Film Interview*, 31 May 2021
- 128.300K Americans may live with a chronic, deadly disease transmitted by the 'kissing bug'. What is Chagas and why are doctors missing it? USA Today, *Print Interview*, 19 Jun 2021
- 129.Faculty, students expand infectious disease research in parallel with providing COVID-19 support. UofSC ASPH, *Print Interview*, 22 June 2021
- 130.Coroners across the Midlands fear COVID-related deaths will spike. WIS TV, *Film Interview*, 2 August 2021
- 131.Research probes for Coronavirus guidance. Greenville Business Magazine, *Print Interview*, 6 August 2021
- 132.USC released its first COVID case count since students arrived. Here's what to know. WIS-TV, *Print Interview*, 24 August 2021
- 133.UofSC project aims to find out 'true number' of people who've been infected with COVID in SC. WIS TV, *Film Interview*, 30 August 2021

134. “Any cold-like symptom is going to raise an alarm,” Health experts point out COVID warning signs, WLTX 19, *Film Interview*, 1 September 2021
135. SC LEDE: Interview with an epidemiologist, South Carolina Public Radio (NPR), *Film Interview*, 7 September 2021
136. ‘Cannot believe we are here’: 700,000 US COVID-19 deaths is a milestone we never expected to reach, *Print Interview*, USA Today, 1 October 2021
137. New infections drop more than 50% nationwide; FDA panel to review Pfizer-BioNTech vaccine for kids: COVID-19 update, *Print Interview*, USA Today, 26 October 2021
138. Pediatricians warn of virus’ impact on kids, urge parents to vaccinate them; weekly new infections again surpass 600,000: COVID-19 updates. *Print Interview*, USA Today, 18 November 2021
139. Omicron may cause milder symptoms. But experts aren’t breathing a sign of relief yet. *Print Interview*, NBC News, 29 November 2021
140. Colleges prepare for unknowns with omicron variant. *Print Interview*, The Washington Post, 3 December 2021
141. 800,000 US deaths from COVID-19 and counting: ‘There’s no question we will reach 1 million’. *Print Interview*, USA Today, 14 December 2021
142. *Live TV Interview*, Newsday-BBC World TV, 15 December 2021
143. How to use at-home COVID test and know if you might have a false negative, *Live Interview*, WLTX-19, 19 January 2022
144. On the brink of 900,000 COVID deaths, the trajectory of the pandemic remains uncertain, *Print Interview*, USA Today, 4 February 2022
145. USC study evaluates reliability of at-home COVID tests. *Live interview*, WACH Fox 57, 29 March 2022
146. Experts weigh SC’s new COVID-19 surveillance systems as DHEC closes public testing sites, *Print Interview*, Post and Courier, 10 April 2022
147. CDC seeks answers after 6 kids die from hepatitis outbreak that has spread to 36 states, *Print Interview*, USA Today, 22 May 2022
148. Asian longhorned tick invasion tracked by DHEC, asking public for assistance, *Live Interview*, WIS-TV, 8 July 2022
149. Health experts warn of invasive, ‘aggressive’ tick species found in SC, *Live Interview*, WCSC-Channel 5 News, 11 July 2022
150. SCDHEC warns of Asian longhorned tick infestation, *Live Interview*, WSPA 7 News, 11 July 2022
151. Invasive ticks found in South Carolina, could already be in Midlands, experts say, *Live Interview*, WLTX News 19, 11 July 2022

152. New aggressive tick species in SC could impact humans and animals, experts say, *Live Interview*, Post and Courier, 11 July 2022
153. SCDHEC warns of Asian longhorned tick infestation, *Live Interview*, WJBF ABC News Channel 7, 11 July 2022
154. Health experts warn South Carolinians after invasive ‘aggressive’ tick species found in state, *Live Interview*, WTOC, 11 July 2022
155. SCDHEC warns of Asian longhorned tick infestation, *Live Interview*, WSAV-TV, 11 July 2022
156. SC DHEC warns community, pet owners about Asian longhorned ticks in York Co., *Live Interview*, CN2 News Rock Hill, 15 July 2022
157. Monkeypox, *Live Interview*, WIS-TV, 22 August 2022
158. A new climate for vector-borne diseases, *Live Interview*, Qiagen, 3 April 2023
159. West Nile virus from mosquitos could be worse this year, *Live Interview*, Fox Carolina News, 23 May 2025
160. Tick season preparedness: How to stay vigilant, *Live Interview*, WLTX 19 News, 4 June 2025
161. Keep mosquitos from spoiling your summer fun and health, *Print Interview*, American Heart Association’s Heart and Stroke News, 30 June 2025
162. USC expert explains brain-eating amoeba found in South Carolina, *Live Interview*, WISTV, 22 July 2025
163. Map shows states with Chagas disease amid call for action, *Print Interview*, Newsweek, 3 September 2025
164. Religious exemptions allow vaccination decline, measles outbreaks, in schools, *Print Interview*, USA Today, 16 October 2025
165. South Carolina ticks can remain active in cold. What to know. *Print Interview*, The State, 16 December 2025
166. ‘Invisible Cloud’: Epidemiologist on South Carolina’s Record-Breaking Measles Outbreak, *Print Interview*, US News & World Report, 30 January 2026
167. Everything you wanted to know and didn’t want to know about ticks. *Live Interview*, WLTX 19 News, 23 April 2026
168. This deadly virus is way more prevalent in SC than US overall and it’s not measles or COVID, *Print Interview*, The State, 20 May 2026
169. The Shandon neighborhood in Columbia is desirable. It’s also a hotspot for a mosquito-borne virus. *Print Interview*, The Post and Courier, 24 May 2026
170. Aux États-Unis, l’épidémie de rougeole atteint un niveau jamais vu en 35 ans. *Print Interview*, Le Devoir, 24 July 2026.

171. US measles outbreak the worst in 35 years—official data. *Print Interview*, Agence France-Presse, 25 July 2026
172. SC declares West Nile outbreak in Pee Dee after two human cases; Richland mosquitoes test positive. *Live Interview*, WLTX 19 News, 6 August 2026
173. More bites, rare viruses, limited funding. Why SC has a growing tick problem. *Print Interview*, The State, 14 August 2026
174. USC research raises concerns about tick and mosquito borne diseases. *Live Interview*, WIS-TV Sunrise Sit-down, 8 September 2026