

Curriculum Vitae for Melissa S Nolan, PhD, MPH

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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, *Athens, GA* 2005 - 2008
Bachelor of Science, Biological Sciences

University of Texas, School of Public Health, *Houston, TX* 2008 - 2010
Masters of Public Health, Epidemiology and Global Health Concentration

Baylor College of Medicine, *Houston, TX* 2012 - 2015
Doctor of Philosophy, Clinical Investigation

Texas Children's Hospital, *Houston, TX* 2015 - 2018
Post-doctoral Fellowship, Pediatric Infectious Diseases

Current Employment and Appointments

University of South Carolina, Arnold School of Public Health, *Columbia, SC* 2018 -
Associate Professor (Tenure and Promotion awarded in 2023)

Prisma Health, Department of Pediatrics, *Columbia, SC* 2018 -
Research Fellow

South Carolina Department of Health and Environmental Control, *Columbia, SC* 2020 -
Research Fellow

Professional Work Experience and Internships

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

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

UTSPH Center for Health Promotion, All About Youth Study, *GRA* 2008 - 2009

UCSF Young Black Men who have Sex with Men Study, *GRA* 2009

UTSPH HIGHER International Fellow: Philippines, *GRA* 2009

UTSPH Center for Infectious Diseases, *GRA* 2009 - 2010

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

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

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

Michael E Debaquey Veterans Affairs Medical Center, *WOC Appointment* 2015 - 2018

Personal Awards/Honors/Scholarships

- Georgia's Zell Miller Helping Outstanding Pupils Educationally (HOPE) Scholarship Recipient, 2004 - 2007
- Texas Public Education Grant Recipient, 2009
- Houston Initiative for Global Health, Education and Research (HIGHER) Fellowship Recipient, 2009
- Annual Meeting Travel Award Recipient, American Society of Tropical Medicine and Hygiene, 2013
- Graduate School of Biomedical Sciences Tuition Scholarship Recipient, Baylor College of Medicine, 2012 - 2015
- Presidential Coin of Excellence, University of South Carolina, Office of the President, 2020
- Michael J Mungo Undergraduate Teaching Award *nominee*, University of South Carolina, Office of the Provost, 2021
- Faculty Service Award, University of South Carolina, Arnold School of Public Health, 2021
- Distinguished Undergraduate Research Mentor Award, University of South Carolina, Office of the Vice President for Research, 2021
- Discovery Day University Research Ambassador, University of South Carolina, Office of the Vice President for Research 2022
- Breakthrough Stars Award, University of South Carolina, Office of the Vice President for Research, 2023

Professional Service and Leadership Positions

- **American Civil Liberties Union**
 - COVID-19 Class Action Lawsuit, Expert Content Witness, *April - July 2020*
- **American Kennel Club**
 - Invited Grant Reviewer, *September 2022*
- **BioMed Central Infectious Diseases**
 - Editorial Board Member, *November 2015 - November 2021*
- **Current Tropical Medicine Reports**
 - Section Editor-Latin America, *September 2016 - March 2017*
 - Section Editor-Chagas Disease, *February 2018 - March 2019*
- **Entomologic Society of America**
 - Science Policy Fellow, *September 2021-August 2023*
 - Diversity and Inclusion Committee Member (Medical, Urban, and Veterinary Entomology Representative), *May 2022 – November 2025*
- **Food and Drug Administration**
 - Laboratory of Emerging Pathogens, Invited Laboratory Site Visit Reviewer, *May 2021*
- **Infectious Disease Society of America**
 - Standards and Practice Guidelines Subcommittee, Nominated Member, *January 2024-October 2026*
- **Journal of Environmental and Public Health**
 - Special Issue Guest Editor, “Integration of GIS, Remote Sensing, and Artificial Intelligence into Applied Medical Entomology Practice”, *December 2020 - August 2021*
- **National Academies of Science, Engineering, and Medicine**
 - Health and Medicine Division, Forum on Microbial Threats, Nominated member, *December 2022-November 2025*
- **National Institutes of Health**
 - Clinical Research and Field Studies, Invited CSR Reviewer, *June 2020*
 - Vector Biology, Invited CSR Reviewer, *June 2022*
 - Special Emphasis Panel- Microbiology Review Branch, Invited CSR Reviewer, *June 2022*
 - Vector Biology, Invited CSR Reviewer, *October 2022*
 - Population-based Research in Infectious Diseases, Invited CSR Reviewer, *February 2023*
 - SBIR Contract; Phase II: Development of Priority Diagnostics for Chagas Disease, Invited CSR Reviewer, *February 2023*
- **Public Broadcasting Service**
 - Scientific Expert Content Reviewer, *April 2020*
- **PLoS NTD**
 - Guest Editor, *July - December 2020*
- **Society of Vector Ecology**
 - Elected Regional Officer, *October 2017 - September 2019*

Institutional Service Appointments

University Level

- University of Texas-School of Public Health, Student Epidemic Intelligence Society Elected Officer, *August 2008 - August 2010*
- University of Texas-School of Public Health, Student Association Elected Officer, *August 2008 - August 2010*
- Texas Medical Center Student Affairs Advisory Council, Appointed Officer, *September 2009 - August 2010*
- University of Texas Health Science Center at Houston, Committee on the Status of Women Elected Officer, *September 2010 – February 2012*
- Baylor College of Medicine, Institutional Review Board Member, *August 2013 - July 2014*
- Baylor College of Medicine, Clark Faculty Service Award Selection Committee Member, *January 2017-May 2018*
- Prisma Health System, Institutional Review Board Member, *June 2018 - May 2019*
- Prisma Health System, Research Showcase Reviewer, *April 2019*
- University of South Carolina’s Association of Public Health Infectious Disease Students, Founding Faculty Leader, *January 2020 -present*
- University of South Carolina, Office of the Vice-President of Research, ASPIRE Proposal Reviewer, *February - April 2020 and February – April 2022*
- South Carolina Statewide COVID-19 Rapid Innovation Task Force, Public Health Co-Lead, *March 2020 - May 2021*
- South Carolina Statewide COVID-19 Task Force, Epidemiology Data Monitoring UofSC Team Lead, *March 2020 - May 2021*
- University of South Carolina COVID-19 Management and Recovery Planning, Team Lead, *April 2020 - May 2022*
- University of South Carolina, Marshall Scholarship Committee, Invited Member, *April 2021 - May 2023*
- University of South Carolina, Education Abroad Office, Student International Travel Oversight Committee Member, *May 2021 - present*
- University of South Carolina, Big Data Health Sciences Center, Geospatial Sciences Core Director, *August 2021 - August 2023*
- University of South Carolina, Faculty Senate, Committee on Honorary Degrees, Elected member, *August 2021-August 2024*
- University of South Carolina, Associate Vice President and Vice Provost of Global Affairs Search Committee, *November 2022-April 2024*
- University of South Carolina, Office of the Vice-President of Research, Magellan Scholar Proposal Reviewer, *October - December 2019, March – April 2023*

College Level

- University of South Carolina, School of Medicine, Monthly Research Seminar Organizer, *May 2018 -May 2019*
- Mu Chapter, Delta Omega Honorary Public Health Society, Nominated and Elected Member, *April 2020 – present*
- Arnold School of Public Health Service Award Selection Committee Member, *April 2022 – April 2024*
- Arnold School of Public Health, Office of Research, Research Director Selection Committee Member, *September 2022*

Department Level

- University of South Carolina, Department of Epidemiology and Biostatistics, Admissions Committee, *August 2018 - August 2021*
- University of South Carolina, Department of Epidemiology and Biostatistics, Faculty Search Committee Member, *September 2018 - April 2019; September 2021- May 2022; September 2022- May 2023*

- University of South Carolina, Department of Epidemiology and Biostatistics, Research Committee Member, *January 2020 - August 2021*
- University of South Carolina, Department of Epidemiology and Biostatistics Curriculum Committee Member, *August 2021 - present*

Community Service Affiliations

Harris County, Texas, Psychiatric Center, Tutor	2011
Big Brothers Big Sisters of Houston, Texas, Mentor	2010 - 2016
Pershing Middle School Girls Youth Lacrosse, Coach	2014 - 2016
Villas on Hempstead, HOA Board of Directors-Vice President	2015 - 2016
Rice University-Baker Institute Civic Scientists, Fellow	2016 - 2018
Junior League of Greenville, Economic Mobility Advocacy Committee	2018 - 2019
Greenville Chamber-Young Professionals, Member	2018 - 2019
Nicholtown Neighborhood Association, Member	2018 - 2019
Junior League of Columbia, Transfer Committee	2019 - 2020
Elmwood Park Neighborhood Association, Member	2019 -
Transitions Homeless Center, Standing Volunteer	2019 -

Trainee Mentorship and Advisement

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

Junior Faculty

Stella Self, PhD, (UofSC-ASPH), *NIH R25 Faculty Mentor*, 05/2021 - 05/2022
Mufaro Kanyangarara, PhD, (UofSC-ASPH), *NIH R25 Faculty Mentor*, 05/2022 - 05/2023
Matt Haldeman, MD, (UofSC-SOM), *Faculty Fellowship Mentor*, 01/2023-03/2024
Matt Haldeman, MD, (UofSC-SOM), *PROPEL Grant Writing Faculty Mentor*, 09/2023-05/2024
Tad Dallas, PhD, (UofSC-CAS), *PROPEL Grant Writing Faculty Mentor*, 09/2023-05/2024
Pieter Baker, PhD, (UofSC-ASPH), *PROPEL Grant Writing Faculty Mentor*, 09/2023-05/2024
Devin Bowes, PhD, (UofSC-ASPH), *NIH U54 Faculty Mentor*, 09/2023-05/2024

Clinical Fellows

Darla McCain, MD, (Prisma Health), *Pediatric Fellowship Research Committee Member*, 08/2018 - 05/2019
Matt Haldeman, MD, (Prisma Health), *Preventative Medicine Fellowship Committee Member*, 08/2018 - 06/2019
Ifeanyi Nwadukwe, MD, (Prisma Health), *Preventative Medicine Primary Fellowship Advisor*, 08/2020 - 05/2022

Post-Doctoral Fellows

Huixuan Li, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*, 09/2021 - 08/2026
Kyndall Dye-Braumuller, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*, 06/2022 - 12/2023
Katie Lynn, PhD, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*, 06/2023 - 05/2026
Lidia Gual-Gonzalez, (UofSC-ASPH), *Primary Post-Doctoral Fellow Advisor*, 06/2023 - 05/2024

Doctoral Students (PhD, MD, and PharmD)

Daniel Lee, (UofSC-SOM), *Summer Research Advisor*, 05/2019 - 08/2019
Jessica Purser, (UofSC-ASPH), *PhD Dissertation Committee Member (HSPM)*, 08/2019 - 05/2021
Kyndall Braumuller, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*, 08/2019 - 05/2022
Katie Lynn, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*, 08/2019 - 12/2022
Megan Davis, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*, 08/2019 - 05/2023
Aidan Warner, (UofSC-SOM), *Summer Research Advisor*, 05/2020 - 08/2020
Tyler Bunting, (UofSC-SOM), *Summer Research Advisor*, 05/2020 - 08/2020
Lidia Gual Gonzalez, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*, 08/2020 - 05/2023
Maggie McCarter, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*, 08/2021 - 05/2024
Andres Gaviria-Figueroa, (UofSC-ASPH), *PhD Dissertation Committee Member (ENHS)*, 08/2021 - 05/2022
Kateryna Parkhomenko, (UofSC-COP), *PharmD Thesis Committee Member*, 10/2021 - 05/2022
Emily Owens Pickle, (UofSC-ASPH), *Primary PhD Advisor and Dissertation Chair*, 08/2022 - 05/2025
Kirsti Gilmore, (UofSC-ASPH), *Primary PhD & NIH T32 Advisor and Dissertation Chair*, 08/2022 - 05/2025
Mary Parker, (UofSC-SOM), *SOAR Research Advisor*, 05/2022 - 08/2022
Brendan Case, (UVM-CS), *Primary NIH T35 Advisor*, 05/2022 - 07/2022
Vanessa Caiazzo, (NYU-SW), *PhD Dissertation Committee Member*, 05/2022 - 05/2024
Grant Thomas Foster, (UofSC-CAS), *PhD Dissertation Committee Member*, 11/2022-05/2024

Masters Students (MPH, MSPH and MS)

Sam Christmus, (UofSC-ASPH), *MS Thesis Committee Member (ENHS)*, 08/2018 - 05/2019
Kyle Hatcher, (UofSC-ASPH), *Primary MSPH Advisor and Thesis Chair*, 08/2018 - 05/2019
Brianna Tennie, (UofSC-ASPH), *Primary MPH Advisor*, 08/2019 - 05/2020
Danielle Johnson, (UofSC-ASPH), *Primary MSPH Advisor and Thesis Chair*, 08/2020 - 05/2022
Julia Scott, (UofSC-ASPH), *MPH Thesis Committee Member*, 06/2020 - 05/2021
Megan Peebles, (UofSC-ASPH), *MPH Practicum Advisor*, 01/2021 - 05/2022
Hanson Cowan, (Universidad de Antioquia), *MS Thesis Committee Member*, 01/2020 - 12/2021

Will Williamson, (UofSC-ASPH), *GRA Advisor and MPH Practicum Advisor*, 08/2021 - 08/2022
Garrett Moss, (UofSC-ASPH), *MS Thesis Committee Member*, 05/2022 - 05/2023
Maxwell Le May, (Brown SPH), *MPH Practicum Advisor*, 06/2022 - 08/2022
Samantha Rieche, (UofSC-ASPH), *MPH Practicum Advisor*, 01/2023 – 05/2023
Kayla Bramlett, (UofSC-ASPH), *MS Thesis Committee Chair*, 01/2023 - 08/2023
Sean Sweeney, (UofSC-ASPH), *MS Thesis Committee Chair*, 08/2023-08/2024

Undergraduate Students

Katie Hicks, (Furman), *Research Internship Advisor*, 01/2019 - 08/2019
Arianna Milicia, (Furman), *Summer Research Internship Advisor*, 05/2019 - 08/2019
Darby Nugent, (UofSC-ASPH), *Magellan Research Advisor*, 05/2019 - 04/2020
McKenzi Norris, (UofSC-ASPH), *Magellan Research Advisor*, 06/2019 - 12/2020
Danielle Johnson, (UofSC-ASPH), *Magellan Research Advisor*, 10/2019 - 05/2020
Julia Fuller, (UofSC-HC), *Honors Thesis Committee Member*, 03/2020 - 12/2020
Hanna Waltz, (UofSC-HC), *Magellan Research Advisor & Honors Thesis Primary Advisor*, 08/2020 - 05/2023
Madlyn Wills, (UofSC-ASPH), *Research Internship Advisor*, 10/2020 - 05/2021
Natalie Brown, (UofSC-CAS), *Magellan Research Advisor*, 05/2021 - 04/2022
Lauren Turner, (UofSC-ASPH), *SMART Research Advisor & Magellan Research Advisor*, 06/2021 - 12/2022
Bryceson Hernandez, (NCCU), *SMART Research Advisor*, 06/2021 - 05/2022
Bridget Karably, (UofSC-ASPH), *CDC-COE Research Intern Advisor*, 06/2021 - 12/2021
Breanna Greenwood, (UofSC-ASPH), *CDC-COE Research Intern Advisor*, 06/2021 - 08/2021
Emily Morrison, (UofSC-ASPH), *CDC-COE Research Intern Advisor*, 06/2021 - 08/2021
Michael Yan, (UofSC-ASPH), *CDC-COE Research Intern Advisor*, 06/2021 - 08/2021
Addison Blockman, (UofSC-ASPH), *Research Internship Advisor*, 01/2022 - 05/2022
Josie Morrissey, (UofSC-ASPH), *Magellan Research Advisor*, 12/2021 - 12/2022
Laura Witt, (UofSC-ASPH), *Magellan Research Advisor & Honors Research Grant Advisor*, 03/2022 - 05/2023
Anna Dill, (UofSC-HC), *Honors Thesis Primary Advisor*, 03/2022 - 05/2023
Ahalya Muraleedharan, (UofSC-HC), *Honors Research Grant Advisor*, 05/2022 - 12/2022
Titi Abiodun, (UofSC-ASPH), *SMART Research Advisor*, 06/2022 - 05/2023
Kaalayah Harris, (UofSC-ASPH), *SMART Research Advisor*, 06/2022 - 05/2023
Heny Patel, (UofSC-HC), *Honors Thesis Primary Advisor*, 10/2022-05/2023
Hannah Morgan, (UofSC-HC), *Honors Thesis Secondary Advisor*, 10/22-05/2023
Emily Washington (Morris College), *Summer Research Advisor*, 05/2023-08/2023
Elba ‘Sofie’ Fridriksson (UofSC-CAE), *Summer and Magellan Research Advisor*, 5/2023-12/2024

High School Students

Joe French, (Heathwood Hall Episcopal), *Senior Thesis Committee Mentor*, 11/2020 - 05/2021

**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*

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*

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*
- 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*

Masters Students

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

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 Morrisey
 - 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*
- 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*
- Heny 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*

Full-time Staff

- Chloe Rodriguez Ramos
 - 2022 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*

Extramural Research Funding

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 (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) 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 (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 - 05/31/2024

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

Annual DC: \$1,928,080

TC: \$5,480,832

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

Sponsor: National Institutes of Health (NIAID), R01AI165560-01

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.

Quorollo (PI) - Nolan (Co-I) 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) – Nolan (Co-I) 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.

Dinglasan (PD/PI) – Nolan (Co-PI-Deputy Director) 07/01/2022 - 06/30/2027
Sponsor: U.S. Centers for Disease Control and Prevention, CK000662-01, (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) 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.

Rennert (PI) – Nolan (Consultant) 01/05/2023 – 11/30/2027
Sponsor: National Institute of Health (NLM), 1 R01 AI168216-01
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) – Nolan (Co-I) 05/01/2023 – 04/30/2024
Sponsor: National Institute of Health (NIAID), 1 R56 AI174896-01A1
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.

Nolan (PD/PI)/Robin Dawson (MPI) 07/01/2023 – 06/30/2026
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.

Rennert (PI) – Nolan (Co-I) 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) – Nolan (Co-I) 12/01/2023 – 11/30/2028
Sponsor: National Institute of Health (NIAID), 1 R01 AI179840-01
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.

Intramural Research Funding

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 (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) 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 asymptotically infected women presenting for labor and delivery and compare their viral load decay rate to infected post-partum women with clinically apparent disease.

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.

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) 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.

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.

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.

Haldeman (PI), Nolan (Co-I) 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), Nolan (Co-I) 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.

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) 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 (coPIs) 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).

Peer-Reviewed Publications

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.
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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, Rossmann SR, Hotez PJ, Murray KO. Evidence of autochthonous Chagas disease in southeastern Texas. *Am J Trop Med Hyg* 2015; 92(2): 325-330.
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19. **Garcia MN**, Hasbun R, Murray KO. Persistence of West Nile virus. *Microbes Infect* 2015; 17(2): 163-168.
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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
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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
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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
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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. *Accepted: Parasites and Vectors*
109. Boehme HM, Metcalfe C, Adams I, Leasure P, **Nolan MS**. Does scientific research change minds? Linking criminology and public perceptions of policing. *Accepted: Criminology and Public Policy*
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. *Accepted: Am J Trop Hyg*
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. *Accepted: Maternal Health, Neonatology and Perinatology*
- 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. *In review: Ticks and Tickborne Diseases*
- 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. *In review: eClinical Medicine*
- 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). Harnessing MALDI-TOF MS as an integrative taxonomic tool to identify tick species of public health importance. *In review: Scientific Reports*
- 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. *In review Science in One Health*

Huang R, McLain AC, Herrin B, **Nolan M**, Cai B, Self S. Bayesian group testing regression models for spatial data. In review: *Spatio and Spatio Temporal Epidemiology*

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. In review: *PLoS Negl Trop Dis*

Lynn MK, Parker M, Dye-Braumuller K, **Nolan MS**. The disparaging gap between infectious disease blood donation screening and connection to healthcare services: The Chagas disease example. In review: *Medical Anthropology*

Lynn MK, Rodriguez Ramos CM, Parker M, Waltz H, Boehme HM, Zellars K, Hall J, Whittle K, Litwin AH, Kent P, Pham QH, **Nolan MS**. Implementing a sustainable Chagas disease surveillance program: employing academic-health partnerships to enhance screening practices of at-risk vulnerable populations. In review: *American Journal of Public Health*

Kidd L, Boehme HM, Crouch E, Kennedy E, **Nolan, MS**. The impact of adverse childhood experiences and health on criminal (poly)victimization during the COVID-19 pandemic: Results from a statewide survey. In review: *Journal of Crime and Justice* (Special Issue: Public Health and Crime).

Meyer MM, Self SCW, Huang R, Knapp H, Gilmore K, Zellars K, Lynn MK, **Nolan MS**. A validated analytic digital PCR approach for rare target pathogen testing. In review: *Clinical Chemistry*

McCarter MSJ, Self SCW, Ewing A, Kanyangarara M, **Nolan MS**. The Evolution of Public Health Statistical Modelling Approaches and How to Advance Their Incorporation into Modern Arboviral Surveillance. In review: *Journal of Medical Entomology*

McCarter MSJ, Self SCW, Ewing A, Kanyangarara M, **Nolan MS**. Validating A Bayesian Spatio-Temporal Model to Predict La Crosse Virus Human Incidence in the Appalachian Mountain Region, USA. In review: *Journal of Vector Ecology*

Waltz H, Dye-Braumuller KC, Haldeman M, **Nolan MS**. Alpha-galactose syndrome cases within the Prisma Health system, South Carolina, USA: A retrospective chart review. In review: *J All Clin Immunol Global*

Zhang EY, Kalmath P, Abernathy HA, Giandomenico DA, **Nolan MS**, Reiskind MH, Boyce RM. Epidemiology of *Rickettsia africae* infections in sub-Saharan Africa: A systematic literature review and summary of case reports. In review: *PLoS NTDs*

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. *DeBakey 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 Trichy, *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*, 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*, 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*, 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*, 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*, 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

Scientific Conferences: Podium and Poster Presentations

1. Spatial Analysis of Water Body Distance and West Nile Virus Human Cases in Houston, Texas, *Texas Public Health Association*, Poster Presentation, 21 April 2010
2. CKD Among Patients Enrolled in the Houston West Nile Virus Cohort. *National Kidney Foundation 2012 Spring Clinical Meeting*, 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*, 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*, Poster Presentation, 3 April 2012.
5. Clinical Characteristics of the Pandemic H1N1 Virus in a Texas Pediatric Population. *Diseases in Nature Conference*, Podium Presentation, 21 June 2013.
6. Risk Factors and Seroprevalence of Trypanosoma cruzi in Texas, *American Society of Tropical Medicine and Hygiene Conference*, 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*, Poster Presentation, 16 November 2013.
8. Chagas Cardiomyopathy: A Hidden Endemic, *Baylor College of Medicine-Department of Cardiology Research Conference*, Podium Presentation, 2 December 2013.
9. Chagas Cardiomyopathy in Texas, *Cardiovascular Research Institute Symposium*, Poster Presentation, 25 March 2014.
10. Chagas Disease Among Texas Blood Donors, *Diseases in Nature Conference*, Podium Presentation, 26 June 2014.
11. Chagas Cardiomyopathy in Texas, *Baylor College of Medicine Graduate Student Symposium*, 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*, 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*, 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*, 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*, Podium Presentation, 11 May 2016
18. Incorporation of GIS technology into an ever evolving public health landscape. *Exxon-Mobile GIS User Group Annual Meeting*, 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*, 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. Agüero 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-Braumüller 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. Braumüller 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, Braumüller 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, Braumüller 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, Daguise 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, Altchek 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: A 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. Agüero 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. 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, February 2024

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. First Women of Science Meeting-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*

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**, 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

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
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