

Melissa S. Nolan (Garcia), PhD, MPH
melissasuzannenolan@gmail.com

Current Position

University of South Carolina, Arnold School of Public Health Assistant Professor, Tenure-Track Faculty Position	Columbia, SC April 2018-present
University of South Carolina, School of Medicine-Greenville Adjunct Assistant Professor	Greenville, SC April 2018-present
Baylor College of Medicine, National School of Tropical Medicine Adjunct Assistant Professor	Houston, TX April 2018-present

Education

Baylor College of Medicine Doctor of Philosophy, Clinical Investigation	Houston, TX November 2015
University of Texas, School of Public Health Masters of Public Health, Epidemiology and Global Health Concentration	Houston, TX August 2010
University of Georgia Bachelor of Science, Biological Sciences	Athens, GA May 2008

Professional Experience

Baylor College of Medicine, National School of Tropical Medicine, <i>Instructor</i>	January 2016-Apr 2018
Harris Health Hospital System, <i>Research Appointment</i>	August 2015-Apr 2018
Michael E Debaquey Veterans Affairs Medical Center, <i>WOC Appointment</i>	Oct 2015-Apr 2018
Baylor College of Medicine, Texas Children's Hospital, <i>Research Associate</i>	Feb 2012-Dec 2015
UTSPH Center for Infectious Diseases, <i>Research Coordinator I</i>	Sep 2010-Feb 2012

Graduate Research Assistance Appointments

UTSPH Center for Infectious Diseases	April 2009-August 2010
UTSPH HIGHER International Fellow: Philippines	June 2009-July 2009
UCSF Young Black Men who have Sex with Men Study	February 2009-April 2009
UTSPH Center for Health Promotion, All About Youth Study	October 2008-March 2009

Internships

City of Houston Health & Human Services, Epidemiology Division	October 2008-March 2009
Global Medical Training: Panama	August 2008
Global Medical Training: Nicaragua	May 2007
Sexual Assault Center of Northeast Georgia	August 2006-April 2007

Professional Leadership Positions

Institutional Review Board, Greenville Health System	June 2018-present
Society of Vector Ecology, Elected Regional Officer	October 2017-present
BioMed Central Infectious Diseases, Associate Editor	November 2015-present
2018 National SOVE Congress, Symposium Organizer	February 2018-October 2018
BCM Clark Faculty Service Award, Selection Committee	January 2018-May 2018
Current Tropical Medicine Reports, Section Editor-Chagas Disease	February 2018- March 2019
2017 International SOVE Congress, Symposium Organizer	January 2017-October 2017
BCM Clark Faculty Service Award, Selection Committee	January 2017-May 2017

Current Tropical Medicine Reports, Section Editor-Latin America	September 2016-March 2017
Chagas Policy Recommendation Summit 2017, Advisory Council	December 2015-January 2017
Baylor College of Medicine 2013-2014 Standing Committee, Institutional Review Board, Consultant	August 2013-July 2014
Committee on the Status of Women, The University of Texas Health Science Center at Houston, Elected Officer	September 2010-February 2012
Texas Medical Center Student Affairs Advisory Council, Appointed Officer	September 2009-August 2010
Student Epidemic Intelligence Society, Elected Officer	August 2008-August 2010
UTSPH Student Association, Appointed Officer	August 2008-August 2010

Professional Affiliations and Service

American Heart Association, Member	July 2013-present
American Society of Microbiology, Member	January 2013-present
American Society of Tropical Medicine & Hygiene, Member	January 2013-present
Medical Reserve Core, Office of the Civilian Volunteer, Member	October 2009-present

Adhoc Reviewer for Scientific Journals and Book Publishers: Nature, Public Library of Science One, American Journal of Tropical Medicine and Hygiene, Journal of Infection and Public Health, Zoonoses and Public Health, Vector-Borne and Zoonotic Diseases, Elsevier, Springer

Community Service Affiliations

Greenville Chamber-Young Professionals, Member	April 2018-present
Nicholtown Neighborhood Association, Member	April 2018-present
Rice University-Baker Institute Civic Scientists, Fellow	June 2016-April 2018
Villas on Hempstead, HOA Board of Director Vice President	October 2015-October 2016
Pershing Middle School Girls Youth Lacrosse, Coach	November 2014-June 2016
Big Brothers Big Sisters of Houston, Mentor	December 2010-June 2016
Harris County Psychiatric Center, Tutor	January 2011- October 2011

Awards/Honors/Scholarships

American Society of Tropical Medicine and Hygiene Annual Meeting Travel Award Recipient 2013
 BCM Graduate School of Biomedical Sciences Tuition Scholarship Recipient 2012-2015
 Houston Initiative for Global Health, Education and Research (HIGHER) Fellowship Recipient 2009
 Texas Public Education Grant Recipient 2009
 Georgia Helping Outstanding Pupils Educationally (HOPE) Scholarship Recipient 2004-2007

Current Research Funding

09/01/2018-08/31/2021

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

M. Nolan, Principal Investigator

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

04/16/2018-3/31/2019

Thrasher Research Fund: “HEALTH EVALUATION OF CHILDREN WITH GASTROINTESTINAL PARASITIC-CHAGAS DISEASE CO-INFECTION”

M. Nolan, Principal Investigator

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

09/01/2017-08/31/2019

ExxonMobil Foundation: "GEOSPATIAL ANALYSIS OF HIGH-RISK AREAS FOR VECTORBORNE TRANSMISSION UTILIZING SATELLITE IMAGING TECHNOLOGY"

M. Nolan, Principal Investigator

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.

07/01/2017-12/31/2018

TCH Pediatrics Pilot Award: "CLINICAL CHARACTERIZATION OF ACUTE CHAGAS DISEASE AMONG RURAL PEDIATRIC PATIENTS ALONG THE EL SALVADOR-HONDURAS BORDER"

M. Nolan, Principal Investigator

This investigation aims to define the clinical manifestations of acute Chagas disease among a cohort of febrile children presenting with palpebral swelling at clinics in Western El Salvador.

COMPLETED FUNDING

07/01/2016-06/30/2018

R21 AI112647-01A1 (NIH/NIAID): "SEROPREVALENCE AND RISK OF CHAGAS DISEASE IN TEXAS HUNTERS"

M. Garcia, Co-Investigator

The overall objective of this investigation is to elucidate the risk of Chagas disease transmission among a large cohort of hunters and outdoor enthusiasts.

02/01/2016-01/31/2018

1R03AI123650-01 (NIH/NIAID): "TRYPANOSOMA CRUZI TESTING OF TRIATOMINE VECTORS IN A LIKELY ENDEMIC AREA OF SOUTHEAST TEXAS"

M. Garcia, Co-Investigator

This study aims to understand the ecology of triatomine vectors in an urban environment where autochthonous transmission to humans and shelter dogs has been identified. This collaborative project will establish a platform for which local health authorities will use for future public health interventions.

07/01/2016-06/30/2017

R03 AI126100-01 (NIH/NIAID): "SEROPREVALENCE AND TRANSMISSION SOURCES OF TRYPANOSOMA CRUZI AMONG SOUTH TEXAS RESIDENTS"

M. Garcia, Co-Investigator

This study aims to ascertain the Chagas disease infection prevalence among impoverished residents living in colonias along the Texas-Mexico border.

07/01/2015-06/30/2017

R21 AI114877-01 (NIH/NIAID): "PREVALENCE OF CHAGAS DISEASE IN PATIENTS WITH DILATED CARDIOMYOPATHY."

Investigator

M. Garcia, Co-

Investigator

The purpose of this study is to understand the prevalence and clinical relevance of *Trypanosoma cruzi* infection in patients presenting to Houston-area hospitals with nonischemic dilated cardiomyopathy.

09/01/2014-06/30/2017

Comité Nacional de Productores de Azucar Nicaragua: "INVESTIGATION IN THE ETIOLOGY OF AN UNEXPLAINED KIDNEY DISEASE IN NICARAGUA."

M. Garcia, Co-Investigator

An outbreak of acute renal disease over the past decade among sugar cane workers has resulted in approximately 20,000 deaths, with the etiology of disease still unknown. The purpose of this study is to investigate the role of infectious pathogens or toxic agents on the development of acute renal disease in sugar cane workers.

07/12/10-6/30/16

1U19AI089992-01 (NIH NIAID): “DEFINING SIGNATURES FOR IMMUNE RESPONSIVENESS BY FUNCTIONAL SYSTEMS”

David Hafler, PI, Yale University (M. Garcia, Co-Investigator-Houston subcontract) The
focus of this collaborative grant was to define mechanisms of the immune response in both acute and chronic West Nile virus infections.

08/16/2011-07/31/2016

R01 AI091816-01 (NIH/NIAID): “RENAL AND NEUROLOGICAL OUTCOMES IN CHRONICALLY INFECTED WEST NILE VIRUS PATIENTS.”

M. Garcia, Co-Investigator The
objective of the proposed studies was to determine the renal and neurological pathology and outcomes associated with persistent infection with WNV.

04/01/2011-03/31/2014

Gillson Longenbaugh Foundation, “VIRAL PERSISTENCE AND IMMUNITY IN WEST NILE VIRUS INFECTED PATIENTS”

M. Garcia, Key Personnel
We determined the pathogenesis of renal infection through clinical immune biomarker discovery.

02/01/13-6/30/13

Cardiovascular Research Institute (Baylor College of Medicine), “CARDIAC MANIFESTATIONS OF CHAGAS’ DISEASE IN *TRYPANOSOMA CRUZI* POSITIVE BLOOD DONORS”

M. Garcia, Key Personnel
This study investigated transmission sources and cardiac disease among Chagas blood donors in Houston.

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. An epidemiologic analysis of reported human cases in Texas from 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, Duttmann 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, Zimmisky 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 Trop Med Hyg* 2016; 94: 114-121.
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, Gorchakov R, Carlson AR, Berry R, Lai L, Natrajan M, **Garcia MN**, Boom J, Correa A, Patel SM, Aagaard K, Mulligan M. Prolonged detection of Zika virus in vaginal secretions and whole blood. *Emerg Infect Dis* 2017; 23(1): 99-101.
34. 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.
35. 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.
36. 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 [epub ahead of print].
37. 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.
38. 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 [epub ahead of print]
39. **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.
40. Murray KO, Evert N, Mayes B, Fonken E, Erickson T, **Garcia MN**, Sidwa T. Typhus group ricettsiosis in Texas. *Emerg Infect Dis* 2016; 23(4): 645-648.
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; doi: 10.1111/zph.12360 [epub ahead of print]
43. 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* 2017; doi: 10.1007/s40615-017-0362-0 [Epub ahead of print]
44. **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.
45. 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. *Accepted: Am J Trop Med Hyg*

46. 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. *Accepted: Am J Trop Med Hyg*
47. Stark PM, Flatt KL, **Nolan MS**, Debboun M. Field cage insecticide resistance tests against *Culex quinquefasciatus* Say (Diptera: Culicidae) in Harris county, Texas. *Accepted: J Vector Ecol*
48. Erickson T, **Nolan MS**, Marquez L, Munoz F, Murray KO. Newly Recognized Pediatric Cases of Typhus Group Rickettsiosis, Houston, Texas. *Accepted: Emerg Infect Dis*
49. 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. *Accepted: Frontiers in Neurology*
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. *Accepted: J Wild Dis*
51. Olive JK, Damania A, Hotez PJ, **Nolan MS**., The state of anti-vax in America: rising nonmedical exemptions in US states and counties. *Accepted: PLOS Medicine*
52. Sheppard DP, Woods SP, Hasbun R, Salazar L, **Nolan MS**, Murray KO. Does intraindividual neurocognitive variability relate to neuroinvasive disease and quality of life in West Nile virus? *Accepted: J Neurovirol*

Nolan MS, Cruz AT, Erickson T. Pediatric Trichomoniasis vaginalis: A health disparity of public health concern. *In review: Pediatrics*

Nolan MS, Aguilar D, Brown E, Ronca SE, Gunter SM, Murray KO, Hanis C. Continuing evidence of elevated Chagas disease burden along the Texas-Mexico border. *In review: PLoS NTDs*

Nolan MS, Zachariah J, Devaraj S, Gunter SM, Murray KO. Inflammatory cytokines, not cardiac biomarkers, associated with Chagas disease cardiac progression. *In review: Acta Tropica*

Svarch AE, Arce-Salinas CA, Amaya JL, **Nolan MS**. Successful treatment of Chagas Megaesophagus in Mexico: A case report and review of the literature. *In review: Salud Publica de Mexico*

Ronca SE, Murray KO, **Nolan MS**. West Nile virus cumulative incidence and estimated national seroprevalence in the continental United States: 1999-2016. *In review: Emerg Infect Dis*

Philpott DCE, **Nolan MS**, Evert N, Mayes B, Healroad D, Fonken E, Murray KO. Acute and delayed mortality following West Nile virus infection, Texas 2002-2012. *In review: Emerg Infect Dis*

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. *In review: Zoonotic Vec Born Dis*

Nolan MS, Gorchakov R, Dye-Braumuller, Gunter SM, Fischer RSB, Berry RM, Skiles R, Murray KO. Influence of home structure on domestic triatomine infestation: An epidemiologic human-vector-environment investigation along the Texas-Mexico border. *In review: Emerg Infect Dis*

Published Book Chapters and Abstracts

1. Podoll AS, Nolan MS, Hause AM, Akers KM, Finkel KW, Murray KO. Chronic kidney disease among patients enrolled in the Houston West Nile virus cohort. [Abstract] *Am J Kidney Dis*: 2012; 59 (4):B65.
2. Nolan MS, Podoll AS, Yan C, Finkel K, Murray KO. West Nile virus and chronic kidney disease: a case-control evaluation. [Abstract] *Am J Kidney Dis*: 2013; 61(4):A1-A100
3. 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
4. Nolan MS, Dye-Braummuller K, Clark E. Chagas disease in the United States (USA). *Chagas disease.* Springer Nature. 2018.

Invited Lectures

Clinical Epidemiology, Basic Science and Public Health Investigations of Chagas Disease, *University of Houston Science Seminar, 20 February 2018*

Globalization of Latin American Vector-Borne Diseases and Their Implication for Non-Endemic Countries, *Rice University Seminar in Tropical Medicine, 2 November 2017*

EIS Case Investigations, *Baylor College of Medicine National School of Tropical Medicine Summer Institute, 28 June 2017*

Biostatistics for Clinical Studies, *Baylor College of Medicine National School of Tropical Medicine Summer Institute, 26 June 2017*

EIS Case Investigations, *Baylor College of Medicine National School of Tropical Medicine Summer Institute, 14 June 2016*

Arboviral & Zoonotic Diseases, *University of Texas Health Science Center, 7 December 2015*

The Influence of Infectious Diseases on History, *Teasley Middle School, 11 September 2015*

Tips and Tricks to Publishing in a Peer Reviewed Journal, *Baylor College of Medicine National School of Tropical Medicine Summer Institute, 23 June 2015*

Methods in Neglected Tropical Disease Research: Chagas Disease, *Rice University Seminar in Tropical Medicine, 23 October 2014.*

Methods for Rapid Assessment of Natural Disasters, *Baylor College of Medicine National School of Tropical Medicine Summer Institute, 23 June 2014.*

Entomology and Vector-Borne Diseases, *Baylor College of Medicine National School of Tropical Medicine Summer Institute, 20 June 2014.*

Chagas Disease Epidemiology Case Reports, *Baylor SIGHT Retreat, 28 March 2014.*

Rapid Assessment Methods and Exercise, *Baylor College of Medicine's Diploma in Tropical Medicine, 13 January 2014.*

Vector-borne Diseases, *Baylor College of Medicine's Tropical Medicine Summer Institute, 15 July 2013.*

Arbovirus Surveillance and Mapping: Houston, TX, *University of Texas School of Public Health Medical Geography Course, 20 October 2010*

Podium and Poster Presentations

Prioritizing Mosquito Control Techniques Through Application of Remote Sensing Techniques, *54th Brazilian Congress of Tropical Medicine, Recife, Brazil, Podium Presentation, 3 September 2018*

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*

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*

Deploying the Neighbor's Toolkit: Detecting Mosquito Breeding Habitats. *Pumps and Pipes Conference, Houston, Texas, Podium Presentation, 5 December 2017*

Clinical epidemiology, pathophysiology, and transmission cycles of Chagas disease in Texas. *Diseases in Nature Conference, Irving, Texas, Podium Presentation, 24 May 2017*

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

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

Clinical Manifestations of Chagas disease in the United States. *XXV International Congress of Entomology, Orlando, Florida*, Podium Presentation, 27 September 2016

Vector and Clinical Epidemiology of Chagas disease in Texas. *Society for Vector Ecology, Anchorage, Alaska*, Podium Presentation, 12 September 2016

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

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

Incorporation of GIS technology into an ever evolving public health landscape. *Exxon-Mobile GIS User Group Annual Meeting*, Podium Presentation, 23 May 2016

Clinical perspectives for diagnosis of tick-borne relapsing fever. *Baylor College of Medicine Infectious Diseases Faculty and Fellows Core*, Podium Presentation, 18 May 2016

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

Chagas disease: A Texas perspective. *Texas Master Naturalists-Gideon Linneceum Chapter*, Podium Presentation, 19 March 2016

Epidemiology and clinical outcomes of Human Chagas disease: A Texas perspective. *South Texas Tropical Medicine & Vector borne Disease Conference*, Podium Presentation, 19 February 2016

Chagas disease: Information for an at-risk community. *St. Mark's Medical Center, La Grange, Texas*, Podium Presentation, 10 November 2015.

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.

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.

Chagas disease: zoonotic diseases and other insect-borne pathogens threatening our region. *Greater Houston Industrial Hygiene Council*, Podium Presentation, 20 August 2015.

An epidemiologic analysis of vector, mammalian, and human infection in Houston, Texas. *Harris County Mosquito Control Division*, Podium Presentation, 21 April 2015.

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.

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.

Chagas Cardiomyopathy in Texas. *Baylor College of Medicine Graduate Student Symposium*, Poster Presentation, 22 October 2014.

Chagas Disease Among Texas Blood Donors. *Diseases in Nature Conference*, Podium Presentation, 26 June 2014.

Chagas Disease Transmission Sources and Cardiac Outcomes Among Texas Blood Donors. *South Texas Property Rights Association*, Podium Presentation, 6 May 2014.

Chagas Cardiomyopathy in Texas. *Cardiovascular Research Institute Symposium*, Poster Presentation, 25 March 2014.

Chagas Cardiomyopathy: A Hidden Endemic, *Texas Children's Research Seminar*, Podium Presentation, 23 January 2014.

Chagas Disease in Houston: Implications for the Health Department, *City of Houston Epidemiology Seminar*, Podium Presentation, 16 January 2014.

Chagas Cardiomyopathy: A Hidden Endemic, *Baylor College of Medicine-Department of Cardiology Research Conference*, Podium Presentation, 2 December 2013.

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.

Risk Factors and Seroprevalence of Trypanosoma cruzi in Texas, *American Society of Tropical Medicine and Hygiene Conference*, Podium Presentation, 17 November 2013.

Clinical Characteristics of the Pandemic H1N1 Virus in a Texas Pediatric Population. *Diseases in Nature Conference*, Podium Presentation, 21 June 2013.

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.

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.

CKD Among Patients Enrolled in the Houston West Nile Virus Cohort. *National Kidney Foundation 2012 Spring Clinical Meeting*, Poster Presentation, 9 May 2012.

Adventures of a Research Coordinator. *DeBakey Scientific Symposium*, Podium Presentation, 16 December 2011

Spatial Analysis of Water Body Distance and West Nile Virus Human Cases in Houston, Texas, *Texas Public Health Association*, Poster Presentation, 21 April 2010

Methods in Field Epidemiology, *Epidemiology Seminar*, *Podium Presentation*, 3 March 2010

Adventures of a HIGHER Fellow, *Global Health Seminar*, *Podium Presentation*, 10 November 2009

Rabies: An Introduction, *World Rabies Day at University of Texas School of Public Health*, *Podium Presentation*, 28 September 2009

Media Interviews

Study: Phoenix has the largest number of unvaccinated kids in U.S. *KJZZ NPR The Show*, Live Radio Interview, 14 June 2018.

These 15 U.S. cities are hotspots for kids not getting vaccines. *WKYC 3*, TV Interview, 13 June 2018.

These 15 U.S. cities are hotspots for kids not getting vaccines. *USA Today*, Print Interview, 13 June 2018.

15 Metropolitan areas have large numbers of unvaccinated kindergarten students. *Medicalresearch.com*, Print Interview, 13 June 2018.

Exemptions in childhood vaccines rise in parts of the US with implications for disease risk. *Houston Style Magazine*, Print Interview, 12 June 2018.

Anti-vaccine angst: How US exemption hotspots could harm public health. *Plos Research News*, Print Interview, 12 June 2018.

Cases of Murine Typhus increasing in Texas. *The Scientist*, Print Interview, 20 March 2017.

Murine typhus-USA(TX): increase cases, geographic expansion, 2003-2013. *Outbreak Watch*, 17 March 2017

Flea-borne bacterial disease spreading wider in Texas. *Stat News*, Print Interview, 15 March 2017

Chagas disease more prevalent in US than thought. *PBS Nova Next*, Print Interview, 19 December 2016.

Researchers study prevalence of Chagas disease in Houston. *Fox 26 News Houston*, Live Television Interview, 19 July 2016.

Zika virus and Chagas disease: Interview with Experts. *Outbreak News Today*, Live Radio Interview, 20 December 2015.

Texas Standard, *NPR Austin*, Radio Interview, 6 October 2015.

Chagas disease: How a silent tropical parasite prospers in the US, *International Business Times*, Print Interview, 26 May 2015.

Putting Chagas Disease on the US Radar Screen, *Journal of the American Medical Association*, Print Interview, 24 March 2015.

Bed bugs, kissing bugs linked to deadly Chagas disease in US, *Scientific American*, Print Interview, 10 December 2014.

Kissing bug disease, Chikungunya, and Dengue in the US, *Healthline*, Print Interview, 20 November 2014.

Jim Harrison Show, *Radio NL Kamloopas BC Canada*, Live Radio Interview, 14 November 2014.

Afternoons with Simon Mercep, *Radio New Zealand*, Live Radio Interview, 14 November 2014.

Outbreak News This Week, *The Global Dispatch, Tampa, Florida*, Live Radio Interview, 13 November 2014.

Tim Denis Morning Show, *News Talk 610 CKTB, Ontario, Canada*, Live Radio Interview, 13 November 2014.

Kiss of death, *Snopes*, Print Interview, 11 November 2014.

Chagas disease dubbed ‘New AIDS!’ How to protect yourself from ‘Kissing bug’ disease infecting 300K in US, *Latin Times*, Print Interview, 11 November 2014.

“Kissing bug disease”: What Canadians need to know about Chagas, *Global News (Canada)*, Print Interview, 10 November 2014.

“Kissing bug” disease: Should you be worried about Chagas? *The Independent*, Print Interview, 10 November 2014.

Blood-sucking ‘kissing bug’ sees 300K Americans infected with deadly disease, *Reuters*, Print Interview, 10 November 2014.

‘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.

‘Kissing bug’ disease creeps into US, but symptoms often missed, *Aljazeera America*, Print Interview, 7 November 2014.

‘Kissing bugs’ spreading Chagas disease in US, *MPR*, Print Interview, 5 November 2014.

Think Ebola is Bad? Chagas, the ‘Kissing bug’ disease, is much worse and often symptomless, *Medical Daily*, Print Interview, 5 November 2014.

Chagas disease-a new public health threat for Americans, *Medical News Today*, Print Interview, 5 November 2014.

“Kissing bug” makes its way into Texas, *Houston Channel 2 KRBC Nightly News*, Live Television Interview, 5 November 2014.

‘Kissing bug’ disease: Should you be worried?, *The Washington Post*, Print Interview, 5 November 2014.

Chagas disease parasite found in Texas, *Daily Rx*, Print Interview, 4 November 2014.

New research: Undiagnosed, undertreated Chagas disease emerging as US public health threat, *EurekAlert*, Print Interview, 4 November 2014.

‘Kissing Bug’ now spreading tropical disease in US, *Health Day*, Print Interview, 4 November 2014.

Experts warn of cases of Chagas disease in U.S., *LaPresasaa*, Print Interview, 4 November 2014.

Southern United States is warned against Chagas Disease, *BetaWired*, Print Interview, 4 November 2014.

Undiagnosed, undertreated Chagas disease emerging as US public health threat, *ScienceDaily*, Print Interview, 4 November 2014.

Could Contagion Really Happen?, *Culture Map Houston*, Print Interview, 17 September 2011

Contagion: Could It Happen?, *WOAI News Radio San Antonio*, Live Radio Interview, 14 September 2011