

CURRICULUM VITAE
Sarah A. Hamer, MS PhD DVM DACVPM (epidemiology)
January 2024

I. PRESENT POSITION AND PERSONAL DATA:

Title: Professor of Epidemiology, Dept. Veterinary Integrative Biosciences
Richard Schubot Endowed Chair, Dept. Veterinary Pathobiology

Office: 276 Veterinary Medical Research Bldg. Phone: (979) 847-5693
School of Veterinary Medicine & Email: shamer@cvm.tamu.edu
Biomedical Sciences Lab Website:
Texas A&M University <https://vetmed.tamu.edu/hamer-lab/>
Schubot Center for Avian Health Website:
<https://vetmed.tamu.edu/schubot/>

II. EDUCATION:

Doctor of Veterinary Medicine, Michigan State University, East Lansing, MI 2011

Doctor of Philosophy, Michigan State University, East Lansing, MI 2010
- Dual-degree: Fisheries and Wildlife; Ecology, Evolutionary Biology & Behavior
- Graduate Specialization in Fish and Wildlife Disease Ecology and Conservation Medicine

Master of Science, University of Illinois, Champaign/Urbana, IL 2003
-Natural Resources and Environmental Sciences
-Wildlife Ecology Specialization

Bachelor of Science, University of Illinois, Champaign/Urbana, IL 2001
-Major: Natural Resources and Environmental Sciences

III. PROFESSIONAL EXPERIENCE, ACADEMIC APPOINTMENTS, AND ACTIVITIES:

Professor, Texas A&M University 9/2022-present
Department of Veterinary Integrative Biosciences; Joint Appt. in Veterinary Pathobiology
Faculty in Ecology and Evolutionary Biology Interdisciplinary Program

Richard Schubot Endowed Chair and Director of Schubot Center for Avian Health 9/2017 - present
Manage the Schubot endowment funds; direct avian health research
group of 75 members and aviary with ~200 birds; created Schubot Seminar series;
founded Schubot Director's Award, founded research and travel grant programs

Associate Professor with tenure, Texas A&M University 9/2017 – 8/2022
Department of Veterinary Integrative Biosciences; Joint Appt. in Veterinary Pathobiology
Faculty in Ecology and Evolutionary Biology Interdisciplinary Program

Assistant Professor, Texas A&M University 1/2012 – 8/2017
Department of Veterinary Integrative Biosciences; Epidemiology and Public Health Group
Faculty in Ecology and Evolutionary Biology Interdisciplinary Program
Faculty in Vector Biology Group

Adjunct Assistant Professor, Michigan State University 11/2011 – 10/2015
Department of Fisheries and Wildlife

Veterinary Extern
National Wildlife Health Center, Madison, WI 9/2010–10/2010
International Crane Foundation, Baraboo, WI 10/2010
Urban Wildlife Institute, Lincoln Park Zoo, Chicago, IL 6/2010–7/2010

Veterinary Student Researcher 5/2008–8/2008
Meriel Veterinary Scholars Summer Research Program, Michigan State University

Graduate Research Assistant , Michigan State University	8/2003-5/2010
Department of Fisheries and Wildlife	
Dissertation: Interactions among invading ticks, wildlife, and zoonotic pathogens	
Co-Advisors: Jean Tsao, Graham Hickling; Committee: Edward Walker, Kelly Millenbah, Linda Mansfield	
Visiting Summer Researcher , Kellogg Biological Station, Hickory Corners, MI	2004-2009
Graduate Research Assistant , University of Illinois	8/2001-5/2003
Department of Natural Resources and Environmental Sciences	
Thesis: Impacts of West Nile virus on free-ranging American Crows	
Advisor: Richard Warner; Committee: Robert Novak, Phil Mankin, Jeff Brawn	
Wildlife Intern , Max McGraw Wildlife Foundation, West Dundee, IL	5/2001-8/2001
Radio-telemetry, den searching, and processing of raccoons, skunks, and coyotes	
<i>Supervisor</i> : Dr. Stan Gehrt	
Wildlife Technician , Illinois Natural History Survey, Champaign, IL	8/2000-8/2001
Tracked radio-collared foxes, night-censused deer	
<i>Supervisors</i> : Drs. Richard Warner, Tim VanDeelen	

BOARD CERTIFICATIONS AND AFFILIATIONS:

- Epidemiology Specialty of the American College of Veterinary Preventive Medicine (ACVPM)
 - President (2019-2021)
 - Nominations Committee (2018-2019)
 - Member (Passed Certifying Exam; 2018-present)
- American College of Veterinary Preventive Medicine (ACVPM)
 - Executive Board Member (2019-2021)
 - Finance Committee Member (2019-2021)
 - Diplomate (Board Certification; 2016-present)
- Certified Wildlife Biologist® (2019-present); Associate Wildlife Biologist® (2009-19); The Wildlife Society
- American Society of Tropical Medicine and Hygiene, 2016-present
 - American Committee of Medical Entomology (ACME), Council member, elected (2022-2024)
 - Chair elect, Chair, and Past Chair (2024-2026)
- Veterinary License: Michigan, 2011; Texas, 2014-present
- DEA Controlled Substance License, 2015-present
- USDA National Veterinary Accreditation: Michigan, 2011; Texas, 2015-present
- American Association of Veterinary Parasitologists, 2013-present
- Master Bird Bander, USGS Bird Banding Laboratory: 2012-present
- The Wildlife Society, 2005-present; Wildlife Disease Working Group, 2007-present; Student Affairs Committee (chair 2008-2015; member 2016-present).
- Wildlife Disease Association, 2009-present
- Society of Vector Ecology 2004-2007, 2014-present

CAREER ENHANCEMENT ACTIVITIES:

- Bee Veterinarian Training Workshop for veterinarians to learn how to serve the beekeeping industry through diagnosis and treatment of bee disease, Janice and John G. Thomas Honey Bee Facility, College Station, TX, August 2023

- American Association of Veterinary Medical Colleges (AAVMC) Leadership Academy, 2019-2020. Group meetings in Indianapolis, College Station, and Washington DC. The Academy provides leadership development for emerging leaders in academia and provides a forum for building lasting ties between faculty members at veterinary schools and departments around the world.
- CVMBS Faculty International Travel Grant, October, 2017: Travel for collaborations at FioCRUZ Institute in Brazil
- Aggie Ally LGBTQ Inclusion Training, 2017
- 40-hour Basic Mediation Training, Center for Change and Conflict Resolution, Spring 2017
- NIH Grant Proposal Writing Workshop and semester-long mentored writing experience offered by 'Grant Writers' Seminars & Workshops', 2015
- Selected as one of ten early career wildlife professionals to participate in The Wildlife Society 'Leadership Institute'. Engage in leadership development activities over 6 months that culminate in a 5-day workshop held in conjunction with the TWS Annual Conference, Milwaukee, WI, October 2013.
- Center for Teaching Excellence, TAMU:
 - 'Lecturing Well' workshop, Fall 2013
 - 'The Course Syllabus' Workshop, summer 2012
 - 'Course Design Series' Workshop, summer 2012
- Invited participant in 'Becoming Faculty' workshop funded by the Burroughs Wellcome Fund in conjunction with the Merit-NIH National Veterinary Scholars Symposium, Loveland, CO, August 2012
- Workshop on ecological modeling prior to the Ecology and Evolution of Infectious Disease Conference, Ann Arbor, MI, May 19-22, 2012
- Tools for Infectious Disease Epidemiology: Infectious disease modeling, Cornell College of Veterinary Medicine, July 2011
- Summer Session in Epidemiology, University of Michigan, July 2005
- Ecology and Evolution of Infectious Disease Workshop: Modeling of long-term data sets, CO, May 2005
- MSU Summer Institute on College Teaching and Learning: Cooperative Learning in the Classroom- 2 day workshop, August 2004. Selected by department for participation.
- Chemical Immobilization for Wildlife Handlers- 3-day workshop, MI, May 2004.
- Study Abroad, University of Pretoria, Center for Wildlife Management, South Africa. Field course in wildlife management and conservation issues in Kruger National Park. 2001.
- Study Abroad, College of Agriculture, Consumer, and Environmental Science International Study program, University of Illinois. Traveled to Puerto Rico and Jamaica with classes on short study trips to learn local issues in agriculture, wildlife, and environmental research. May 1999 and January 2001.

IV. AWARDS AND HONORS

- Fulbright U.S. Scholar Award, Selected for 4-month program May-August 2022 (Guatemala); 'Prestigious Award' recognition by TAMU
- Zoetis Award for Veterinary Research Excellence, 2021
- Outstanding Mentor Award, College of Veterinary Medicine and Biomedical Sciences, TAMU, 2019
- Richard H. Davis Teaching Award, College of Veterinary Medicine and Biomedical Sciences, TAMU, 2017
- Outstanding Young Faculty Research Award, College of Veterinary Medicine and Biomedical Sciences, TAMU, 2014
- Montague-Center for Teaching Excellence Scholar. This award is given annually to one tenure-track faculty member per College based on undergraduate teaching excellence and provides a \$6,500 grant for enhancement of teaching programs, 2014-15

- Third Place Young Investigator Competition for Biomedical Research (58 applicants and 5 finalists), Merit-NIH National Veterinary Scholars Symposium, 2012 (\$500)
- Veterinary Student Research Award, Michigan State University, 2010 (\$500)
- Wildlife Disease Association Graduate Student Scholarship, 2010 (\$2000)
- Tracy Anne Hammer Memorial Fellowship for Dual-Degree DVM Students, 2010 (\$4000)
- Dissertation Completion Fellowship, College of Ag and Natural Resources, 2010 (\$6000)
- Rainbow Feathers Bird Club avian medicine scholarship, 2009 (\$1000)
- Graduate Research Recognition Award, Wildlife Disease Association: keynote student speaker at annual conference in Blaine, WA, 2009
- American Veterinary Medical Foundation Student Scholarship, 2009 (\$1000)
- Best Student Oral Presentation Award, The Wildlife Society conference, Miami, FL, 2008
- Safari Clubs International, Michigan Involvement Committee Scholarship, 2007-2009 (\$7500)
- Graduate Retention Fellowship, College of Agriculture and Natural Resources, 2008 (\$1000)
- Rocky Mountain Goat Fellowship, 2008 (\$2500)
- College of Agriculture and Natural Resources Alumni Graduate Fellowship, 2008 (\$2500)
- Janice Fenske Memorial Award Finalist for student studying Fisheries or Wildlife, 2007
- Best Student Presentation Competition Award at the Michigan Mosquito Control Association Annual Meeting: William Lechel Memorial Scholarship, 2007 (\$1000)
- Graduate Fellowship Award, Kellogg Biological Station, 2006-2007 (\$2500)
- Best Student Poster Award, Fisheries and Wildlife Grad Student Symposium, 2006 (\$200)
- G. H. Wallace Ornithological Scholarship, MSU Dept. Zoology, 2006 (\$1000)
- G. R. Hartsough Endowed Scholarship in Fur Animal Studies, 2005-2006 (\$4000)
- Best Student Oral Presentation Award, The Wildlife Society conference, Madison, WI, 2005
- Best Student Poster Award at the MSU Invasive Species Conference, 2005
- American Ornithologists' Union Student Membership Award 2005 - 2007
- Ecology, Evolutionary Biology, and Behavior Program Fellowship, 2004
- Fisheries and Wildlife Department Entrance Fellowship, 2003
- Department of Natural Resources and Env. Sciences Merit-Based Graduate Fellow, 2001 – 2003
- Best Student Research Award at the American Mosquito Control Association Annual Conference: Gerald Hollandsworth Award, 2003 (\$500)
- 'Incomplete List of Teachers Ranked as Outstanding' by their students at University of Illinois, 2001-03.
- Graduate Teaching Certificate, Division of Instructional Resources, University of Illinois, 2002
- Bronze Tablet University Honors for top 3% of overall graduating class at University of Illinois
- Placed 2nd in Agriculture, Consumer, and Environmental Science Undergraduate Research Forum, 2001
- University of Illinois Book Dedication Award (dedicate a book of choice to high school library for students earning 4.0 GPA in first semester of college)
- James Scholar (College of Liberal Arts and Sciences Honors Program), 1998-2001
- Jonathan Baldwin Turner Undergraduate Research Scholarship, 2000-2001

V. RESEARCH FUNDING

Current Support (Total Costs)

USDA American Rescue Plan SARS-CoV-2 in Animals. \$1,300,000 (\$241,819 to TAMU) The 1000 Canine (1K-9) SARS-CoV-2 Surveillance Study: Exploration of SARS-CoV-2 exposures and transmission pathways among different domestic canine populations PI Engelthaler, Translational Genomics Research Institute (TGen), Arizona; Subcontract PI: S. Hamer	06/2023-05/2025
USDA NIFA A1181 Agricultural Biosecurity, \$800,000 2023-70432-39559 PARTNERSHIP: Natural Experiments of SARS-CoV-2 Transmission in captive cervid agro-ecosystems. PI Sarah Hamer; Co-Is Walter Cook, Gabriel Hamer, Michael Cherry	05/2023-04/2026
USDA NIFA A1221 Diseases of Agricultural Animals, \$600,000 (\$304,206 to TAMU) Extensive SARS-CoV-2 Genomic Survey Supporting Farmed White Tailed Deer Health PI Jamin Dreyer (Ginkgo Bioworks); Subcontract PI – S. Hamer	06/2023-05/2026
Los Alamos National Laboratories- TAMU Collaborative Research Project, \$506,534 Neonicotinoid Exposure in Wild Bird Communities PIs: Sarah Hamer (TAMU); Jeanne Fair (LANL); Meredith Anderson (PhD student)	09/2022-08/2026
American Veterinary Medical Foundation/ Veterinary Pharmacology Research Foundation, \$30,000 Assessing treatment efficacy of benzimidazole for curing <i>Trypanosoma cruzi</i> infection and improving clinical outcome in client-owned, naturally-infected dogs with Chagas disease PI: Sarah Hamer; Co-PIs: Ashley Saunders, Rick Tarleton	4/2022 – 3/2024
USDA NIFA SBIR Phase II, \$71,189 to TAMU R&D on a novel tick surveillance and mass-capture trap PI: Banfield Bio, Inc.; Subcontract PI, S. Hamer	7/2022-8/2024
Harry L. Willett Foundation, near annual donations of \$25,000-50,000; total \$321,000 Canine Chagas disease ecology and epidemiology PIs: S.A. Hamer, R. Curtis-Robles	8/2015-7/2024
Pat Palmer Foundation, \$50,000 + \$64,500 + \$66,000 (Donated Funds) Avian bornavirus and avian health research PIs: Don Brightsmith, Caitlin Mencia, Sarah Hamer	5/2021-4/2024
74 Ranch, \$250,000 (Donated Funds) Canine Chagas disease prophylaxis and treatment study PIs: Ashley Saunders and Sarah Hamer	01/2021-12/2024
Alamo Brittany Club (Donated funds), \$1,000 annually; total \$4,000 Canine Chagas disease research	2018-2023
Texas EcoLabs, \$4,720 Tick-borne disease in Texas IX Investigators: Sarah Hamer, Rachel Curtis-Robles, Keswick Killets, Gabriel L. Hamer	1/2024–12/2024
Texas EcoLabs, \$4,710 Eco-epidemiology of Chagas disease in central Texas IX Investigators: Gabriel L. Hamer, Rachel Curtis-Robles, Sarah A. Hamer, Keswick Killets	1/2024–12/2024

Previous Funding

American Kennel Club Canine Health Foundation, \$65,713 Grant No. 02980	2/2022 – 1/2024
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Canine Systemic Insecticides as a Novel Intervention to Protect Dogs from Triatomine Insect Vectors of Chagas Disease
PI: Sarah Hamer

Innovation[X] (TAMU Internal Funding), \$20,000 07/2022-06/2023
Lights Out Texas: Team based approach to integrating University research with citizen science conservation efforts
PI: Heather Prestridge; co-I: Sarah Hamer, Gary Voelker, Heather Thakar

National Institutes of Health, NIAID, \$397,655 9/2021-8/2023
Kissing bug kill trap for control of *Trypanosoma cruzi* infection
PI: Gabriel Hamer, Co-I: Sarah Hamer

USDA Hatch-Multistate Texas A&M AgriLife Research FY23 Program Support, \$15,000 06/2023-08/2023
NE1943- Biology, Ecology & Management of Emerging Disease Vector

Deployed War Fighter Program, Department of Defense \$899,932; \$90,000 to TAMU 06/2019-05/2023
Murine Autodissemination for Long-term, Area-wide Control of Ticks.
PI: Banfield, M.; TAMU subcontract PI: S. Hamer

USDA NIFA Animal Health, \$247,752 5/2021-09/2023
Animal Endectocides: A One Health framework for the simultaneous control of multiple vector-borne diseases
PI: Gabriel Hamer, coPIs: John Carey, Sarah Hamer

Council of State and Territorial Epidemiologists (CSTE), \$64,990 01/2022-12/2022
5 NU38OT000297-02
SARS CoV-2 Surveillance and Capacity Building at the Human-Animal-Environment Interface- Austin Public Health Agency
PI: Jenn Daniel; TAMU PI: Sarah Hamer

Centers for Disease Control and Prevention, \$100,000 9/2021-9/2022
75D30121P12718
Household investigations of people and their pets for SARS-CoV-2 transmission
PI: Sarah A. Hamer

American Association of Zoo Veterinarians, \$15,000 07/2021-06/2022
Wild Animal Health Fund
Neonicotinoid pesticide exposure in wild passerines: investigating links in an avian population crisis
PIs: Sarah Hamer, Meredith Anderson (PhD student)

University of Texas Southwestern / Texas A&M University Pilot Award, \$25,000 1/2022-3/2022
NIH Clinical Translational Science Award (CTSA) 1UL1TR003163-01A1
Advancing antiparasitic treatment options for Chagas disease using naturally-infected canines in Texas as a model study system
PIs: Sarah Hamer and Ashley Saunders

DAKOTA, \$70,000 (Donated Funds) 2021
Driving Awareness, Knowledge, One health, and Treatments in Action for Chagas Disease Fund
PIs: Ashley Saunders and Sarah Hamer

National Center for Veterinary Parasitology, \$15,000 12/2020-2/2022
Host preference of triatomines and implications for transmission of the Chagas disease parasite, *Trypanosoma cruzi*
PI: Sarah Hamer; Graduate Student PI: Jordan Salomon

Council of State and Territorial Epidemiologists (CSTE), \$50,000 05/2021-12/2021

5 NU38OT000297-02

Veterinary and public health surveillance of SARS-CoV-2 infections

PI: Amanda Hall, Harris County Public Health. TAMU PI: Sarah Hamer

Centers for Disease Control and Prevention, \$124,989 to TAMU + \$117,120 diagnostic support 9/2020-9/2021
75D30120P09884

CASE INVESTIGATIONS FOR ANIMALS AND SARS-COV-2

PI: Sarah A. Hamer

Coalition for Epi Response, Engagement and Science (CERES) Seed Fund, \$49,893 2/2020-9/2021

Surveillance of wildlife in Texas for invasive ticks and tick-borne pathogens

PIs: Angela Lauth-Bosco (Colorado State University) and Sarah Hamer (TAMU)

AgriLife Insect Vector Seed Grant, \$337,500 9/2018–8/2021

Integrated Triatomine Management in Texas: Host- targeted vector control, trap and kill stations, and triatomine-detection canines

PI: Sarah Hamer

T3: Texas A&M Triads for Transformation, \$32,799 1/2019-12/2021

Avian Microbiomes

PI: Jessica Yorzinski; co-I: Sarah Hamer, Gil Rosenthal

Texas A&M and CONACYT: Collaborative Research Grant Program, \$24,000 9/2018-8/2021

Transmission of Zika and other viruses among mosquitoes, primates, and dogs in Southern and Northern Mexico

PIs: Gabriel Hamer, Hector Ochoa; Co-I: Sarah Hamer

National Institutes of Health, National Library of Medicine, NNLM \$110,000 10/2019-6/2021

5UG4LM012345-04 Sub RF00169-2020-0004

Kissing bug and Chagas disease outreach in the southern United States: empowering the public and health care workers along the US-Mexico border

PI: Sarah A. Hamer

Department of Homeland Security, \$488,480 10/2018 –3/2021

HSHQDC-17-A-B0005

Clinical outcomes and impact of Chagas disease on DHS working dog's ability to work, Phase 3

PI: Sarah A. Hamer; Institute of Infectious Animal Disease PI: Melissa Berquist

National Institutes of Health, NIAID, \$148,500 4/2019-3/2021

1R03AI144711–01

Vectorial capacity of American triatomines for multiple strains of *Trypanosoma cruzi*

PI: Sarah A. Hamer

American Kennel Club Canine Health Foundation, \$160,407 1/2018 – 6/2020

Grant No. 022448

Canine Chagas disease: Characterizing cardiac abnormalities, vector infection and control strategies, and parasite strains in kennel environments

PIs: Sarah Hamer, Ashley Saunders

Bay Area Lyme Foundation, \$107,689 (\$17,992 to TX) 2/2019-1/2020

Tick-borne pathogens in California and Texas

PIs: Dan Salkeld, Nathan Nieto, Sarah Hamer

Lawrence Livermore National Laboratory, \$500,000 8/2017 – 8/2019

Subcontract No. B625453

Integrated biosurveillance test bed for detecting and predicting emergence of mosquito borne diseases

PI: Gabriel Hamer; Co-I: Sarah Hamer

Indiana Cage Bird Society (Donated funds), \$1,500 Avian Health Research	2018-2021
American College of Laboratory Animal Medicine , \$30,000 Transmission ecology of <i>Trypanosoma cruzi</i> within nonhuman primate research facilities PI: Sarah Hamer	7/2018-6/2019
Centers for Disease Control and Prevention , \$627,782; TAMU portion: \$43,517 Chagas Education and Outreach in South Texas PI: Paula Stigler-Granados; TAMU Co-Is: Sarah Hamer, Gabriel Hamer	8/2015 – 7/2017
Texas A&M AgriLife Research Insect Vector Disease Program , \$169,448 An eco-epidemiology approach to combat human Chagas disease in south Texas PI: Sarah A. Hamer; Co-Is: Ann Millard, Dan Goldberg	10/2016-8/2018
Department of Homeland Security , \$126,942 Proposal for OBAA 14-003/Call 0013 Competence of North American Vertebrates and Arthropod Vectors for High Consequence or Transboundary Foreign Animal Diseases PI: Gabriel Hamer; Co-PI: Sarah Hamer, Rebekah Kading	1/2017-6/2018
Wellcome Trust, Subcontract from University of Georgia , \$41,430 Development of novel, boron-containing small molecules for the treatment of Chagas disease Principal Investigator: Rick Tarleton; Subcontractor: Sarah Hamer	9/2017-8/2018
National Center for Veterinary Parasitology , \$15,000 Clarifying host-vector and vector-host <i>Trypanosoma cruzi</i> transmission dynamics to reduce the risk of canine Chagas transmission PIs: Sarah A Hamer, Jillian Wormington	12/2017 – 11/2018
Department of Homeland Security , \$254,000 HSHQDC-16-J-00459/HSHQDC-10-A-BOA33 Epidemiology of Chagas disease in border patrol dogs, Phase 2 PI: Sarah A. Hamer; Institute of Infectious Animal Disease PI: Melissa Berquist	10/2016 – 3/2018
Texas AgriLife Genomics Systems Approach Seed Grant , \$20,000 Gene flow and population genetic structure of triatomine vectors of Chagas disease in Texas PI: Ed Vargo; Co-PIs: Sarah Hamer, Gabriel Hamer	6/2016 – 12/2017
Texas AgriLife/Texas Veterinary Medical Diagnostic Lab Seed Grant , \$94,600 Enhanced surveillance and comparative diagnostics for canine and feline Chagas disease in Texas PI: Sarah A. Hamer; Co-PIs: Ashley Saunders, Pam Ferro, Sandy Rogers	9/2015-8/2017
One Health Grand Challenge at Texas A&M University , \$50,000 Chagas disease in humans, animals, and insect vectors across a transnational gradient PI: Sarah Hamer; Co-PIs: Charles Criscione, Gabriel Hamer, Dan Goldberg, Cecilia Giusti, Ann Millard	9/2014– 8/2017
Texas A&M AgriLife Research- Beef Initiative , \$75,000 Mitigating Salmonella shedding at harvest through efforts to prevent transmission from wild birds to feedlot cattle PI: Kevin Cummings; Co-I: Sarah Hamer, Meredyth Jones, Dan Posey	9/2015-8/2017
Department of Homeland Security , \$137,000 HSHQDC-15-J-00217/HSHQDC-10-A-BOA33 Epidemiology of Chagas disease in border patrol dogs, Phase 1 PI: Sarah A. Hamer; Institute of Infectious Animal Disease PI: Melissa Berquist	6/2015 – 12/2016
National Center for Veterinary Parasitology , \$15,000	1/2015-6/2016

Culture-based detection and next generation sequence analysis of *Trypanosoma cruzi* from vectors and domestic dogs along the US-Mexico border
 PI: Sarah A. Hamer; Co-Is: Rachel Curtis-Robles, Gabriel Hamer, Karen Snowden

American Association of Zoological Veterinarians, \$9,100 5/2015–4/2016
 Wild Animal Health Fund
 Host-Vector-Parasite Interactions in the Chagas disease System at a Texas Zoological Park
 Co-PIs: Sarah A. Hamer, Gabriel L. Hamer, Rachel Curtis-Robles

Texas Invasive Ant Research and Management Seed Grant Program, \$110,000 9/2013–8/2015
 Impact of red imported fire ants on small mammals, ticks and tick-borne pathogens
 PI: Jessica E. Light; Co-PIs: Micky D. Eubanks, Gabriel L. Hamer, Sarah A. Hamer

Texas AgriLife/Texas Veterinary Medical Diagnostic Lab Seed Grant, \$100,000 9/2013–8/2015
 Genetic diversity of the Chagas disease parasite in natural populations of vectors, wildlife, and domestic dogs: implications for public health protection
 PI: Sarah Hamer; Co-PIs: Barbara Lewis, Karen Snowden

United States Fish and Wildlife Service, Region 2 Migratory Bird Division \$120,099 10/2012–9/2015
 Avian Health and Disease Monitoring and Support Program; Award No. F12AC00423
 Disease risks to whooping cranes determined by non-invasive sampling and analysis of sandhill cranes as surrogates
 PI: Sarah A. Hamer; Col: Gabriel L. Hamer

Bernice Barbour Foundation, Inc. \$20,000 1/2013–2/2015
 Vector-borne infections in high-risk populations of dogs the southern US
 PI: Sarah A. Hamer

USDA Formula Animal Health Fund, \$39,690 3/2012–9/2015
 College of Veterinary Medicine, Texas A&M University; Award No. TEX0HAMER
 Elucidating tick-borne disease transmission systems using stable isotopes to identify tick-host interactions
 PI: Sarah A. Hamer; Col: Gabriel L. Hamer

Texas A&M and CONACYT: Collaborative Research Grant Program, \$24,000 9/2013–8/2014
 Ecology and epidemiology of Chagas disease across a transnational gradient
 Co-PIs: Sarah A. Hamer, Virgilio Bocanegra Garcia

USDA Cochran Program on Animal Disease Surveillance, \$43,252 9/2014
 A Training Program In Animal Disease Surveillance: Tunisia
 Co-Is: Heather Simmons, Sarah Caffey, Christine Budke, Renata Ivanek-Miojevic, Kevin Cummings, Sarah Hamer, Tom Hairgrove

American Association of Zoological Veterinarians, \$10,000 7/2013–6/2014
 Wild Animal Health Fund
 Development of a novel molecular typing system for helminths shed in crane feces
 Co-PIs: Sarah A. Hamer, Miranda Bertram

Texas EcoLabs, \$225,434 combined total 1/2013–12/2023
 Tick-borne disease in Texas I-VIII
 Investigators: Sarah Hamer, Rachel Curtis, Justin Bejcek, Jillian Wormington, (Whitney Preisser and Jessica E. Light in 2013-2014)

Texas EcoLabs, \$273,273 combined total 1/2013–12/2023
 Eco-epidemiology of Chagas disease in central Texas I-VIII
 Investigators: Gabriel L. Hamer, Rachel Curtis, Sarah A. Hamer, Justin Bejcek, Jillian Wormington

National Science Foundation, \$10,000 2009–2010

Doctoral Dissertation Improvement Grant; Award No. 0910025
 Elucidating an invasion of blacklegged ticks and Lyme disease pathogen
 Co-Is: S. Hamer and J. Tsao

Summer Support Fellowships 2009
 College of Agriculture and Natural Resources, \$6000
 Ecology, Evolutionary Biology, and Behavior, \$1800 2009

Kellogg Biological Station Research Grants
 G. H. Lauff Research Award, \$4500 2004, 2005, 2008
 Porter Award for invertebrate research, \$2500 2006-2008

Companion Animal Fund \$25,000 2005–2006
 Center for Veterinary Medicine, Michigan State University
 Surveillance for spatial spread of canine Lyme borreliosis in Lower Michigan through engaging veterinary clinicians in research.
 PIs: S. Yaremych-Hamer, G. Hickling, E. Walker, J. Tsao, and L. Mansfield

VI. RESEARCH/SCHOLARLY ACTIVITIES:

BIBLIOGRAPHY:

AUTHORSHIP KEY: In my field, senior author is typically designated as last author. My trainees are indicated with an asterisk.

Peer reviewed publications:

146. Busselman RE*, Curtis-Robles R*, Meyers AC*, Zecca IB*, Auckland LD, Hodo CL, Christopher D, Saunders AB, **Hamer SA**. 2024. Abundant triatomines in Texas dog kennel environments: Triatomine collections, infection with *Trypanosoma cruzi*, and blood feeding hosts. *Acta Tropica* 250:107087.
145. Gettings JR, McMahan CS, Cleveland CA, Varela-Stokes A, Hubbard K, **Hamer SA**, Walden HS, Yabsley MJ. 2023. Association between vector-borne pathogen seroprevalence in shelter-housed and owned dog populations in the contiguous United States of America. *Parasites & Vectors* 16:405.
144. Chaves LF, Meyers AC,* Hodo CL*, Sanders JP, Curtis-Robles R,* Hamer G, **Hamer SA**. 2023. *Trypanosoma cruzi* infection in dogs along the US-Mexico border: R₀ changes with vector species composition. *Epidemics* 45:100723.
143. Rodriguez CR*, Busselman RE*, Shen H, Saunders AB, Tarleton R, **Hamer SA**. 2023. Validation of a multiplex microsphere immunoassay for detection of antibodies to *Trypanosoma cruzi* in dogs. *J Vet Diagn Invest* 35(6):704-709.
142. Busselman RE*, Zecca IB*, Hamer GL, **Hamer SA**. 2023. Canine systemic insecticides fluralaner and lotilaner induce acute mortality of *Triatoma gerstaeckeri*, North American vector of the Chagas disease parasite. *Am J Trop Med Hyg* 109(5):1012-1021.
141. Florkowski M, **Hamer S**, Yorzinski J. 2023. Captivity in a songbird is associated with reduced diversity and altered composition of the gut microbiome. *FEMS Microbiology Ecology*, 99:fiad096.
140. McCain S, Sim RR, Weidner B, Rivas AE, White B, Auckland LD, Tarleton RL, **Hamer SA**. 2023. Diagnosis and treatment of a natural infection with *Trypanosoma cruzi* (Chagas disease) in a symptomatic De Brazza's monkey (*Cercopithecus neglectus*) in Alabama. *J Zoo Wildl Med*, 54(2), 412-416.
139. Kiehl WM, Hodo CL* Hamer GL, **Hamer SA**, Wilkerson GK. 2023. Exclusion of horizontal and vertical transmission as major sources of *Trypanosoma cruzi* infections in a breeding colony of rhesus macaques (*Macaca mulatta*). *Comp Med* 73:229-241.
138. Durden C*, Tian Y, Knape K, Klemashevich C, Norman KN, Carey J, **Hamer SA**, Hamer GL. 2023. Fluralaner systemic treatment of chickens results in mortality in *Triatoma gerstaeckeri*, vector of the agent of Chagas disease. *Parasites & Vectors* 16:178.

137. Bustamante JM, White BE, Wilkerson GK, Hodo CL*, Auckland LD, Wang W, McCain S, **Hamer SA**, Saunders AB, Tarleton RL. 2023. Frequency variation and dose modification of benznidazole administration for the treatment of *Trypanosoma cruzi* infection in mice, dogs and non-human primates. Antimicrob Agents Chemother 67(5):10.1128/aac.00132-23.
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5. **Yaremych SA**, Novak RJ, Raim AJ, Mankin PC, and Warner RE. 2004. Home range and habitat use by American Crows in east-central Illinois. *Wilson Bull*, 116:232–239.
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Book Chapters:

Hamer SA, Saunders A, Snowden KF. Trypanosomiasis. *In* Greene's Infectious Diseases of the Dog and Cat, Exert Consult, Fifth Edition. Jane Sykes, editor. Elsevier. Amsterdam. Fall 2022. Hardcover ISBN: 9780323509343

Hamer SA and Hamer GL. Pathogen transmission at the expanding bird-human interface. *In* Avian Disease Ecology. Editors: Owen, Hawley, and Huyvaert. Oxford University Press, Spring 2021.

Zecca IB and **Hamer SA**. Chagas Disease. *In* 16th Edition, Maxey-Rosenau-Last Public Health and Preventive Medicine. McGraw-Hill Companies, Spring 2021.

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Hamer, SA, Cooley TM, Hamer GL. 2011. Avian Diseases. *In* Michigan Breeding Bird Atlas II. A.T. Chartier, JJ Baldy, JM Brenneman, editors. Kalamazoo Nature Center. 708 pages.

Yaremych SA, Warner RE, Mankin PC, Brawn JD, Raim AJ, and Novak RJ. 2005. West Nile virus causes high mortality in a free-ranging population of American Crows [reprint]. *In* Wildlife Diseases: Landscape Epidemiology, Spatial Distribution and Utilization of Remote Sensing Technology. S.K. Majumdar, J. Huffman, F.J. Brenner, and A.I. Panah, editors. Pennsylvania Academy of Sciences. Pages 200-204.

Thesis and Dissertation:

Hamer SA. 2010. Interactions among invading ticks, wildlife, and zoonotic pathogens. PhD Dissertation. Department of Fisheries and Wildlife and Program in Ecology, Evolutionary Biology, and Behavior. Michigan State University. 266 pages.

Yaremych SA. 2003. American Crows and the West Nile virus in east-central Illinois. MS Thesis. Department of Natural Resources and Environmental Science. University of Illinois. 67 pages.

Outreach publications:

'Kissing Bug Field Guide', a product of the CDC-funded Chagas Task Force, 2018

Meyers A, Hamer SA. 2017. Chagas infection in Customs and Border Protection Dogs. The Nose-letter, 30th Anniversary. US Customs and Border Patrol Canine Unit.

Zecca IB, Gray B, Hamer SA. 2017. Veterinarian's Corner- Chagas Disease: An increasing health concern in humans and animals. *In* 'Animal Tails' Spring 2017 Issue, Palm Valley Animal Center and the Laurie P. Andrews PAWS Center.

Hodo CL, Curtis-Robles R, **Hamer SA**, Lopker AM. 2016. Canine Chagas Disease- A Hidden Threat? Chin Chit Chat. Japanese Chin Club of America. Spring 2016.

Bertram M, Hamer G, **Hamer S**. 2014. On the road to the recovery of the endangered whooping crane: exploring the worms and germs in crane feces. For the American Association of Zoo Veterinarians.

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R Curtis and **S Hamer**. 2013. Kissing bugs and Chagas disease in the southern US: An ecological research approach to improve human and canine health. Newsletter for the American Kennel Club.

SA Hamer, JI Tsao, GJ Hickling. 2011. A hidden cycle of Lyme disease bacteria in Michigan's forests. Newsletter for the Michigan Lyme Disease Association.

Hamer SA. 2007. Tracking emerging tick-borne disease in Michigan. The Vector: The Newsletter of The Wildlife Society Wildlife Disease Working Group.

Yaremych-Hamer SA. 2005. Disease detectives: on the hunt for ticks and Lyme disease in Lower Michigan. The Spotlight: A Publication of Michigan State University's Department of Fisheries and Wildlife and Wildlife Graduate Students. Feature Article.

Yaremych SA, Brawn JD. 2003. Intelligence, behavior, life history of crows. Illinois Steward 12:6-10.

SCIENTIFIC PRESENTATIONS:

Invited Seminars to University Departments/Science Institutes:

- 2024** Excellence in Insect Science symposium, Michigan State University, Dept. of Entomology, May 16-17, 2024. Invited panelist.
EcoHealth Alliance, invited speaker for virtual 'EHA Science Meeting talks', Feb 22, 2024.
- 2023** Scowcroft Institute of International Affairs, Bush School, Texas A&M University, Panelist for "Current and Future Engaged Research Challenges and Opportunities" at Summit on Border Health, November 2023.
Conferencia Magistral (Keynote speaker): Seminario conmemoración del día mundial de Chagas, April 18, 2023. Universidad Autónoma de Nuevo León.
- 2022** Washington State University- Paul G. Allen School for Global Health, College of Veterinary Medicine. December 13, 2022. Invited departmental seminar, Chagas disease ecology along a Latin American gradient.
Keynote address, November 2022, at the One Health Day-Clinical Translational Science Award- Univ. of Texas- Southwestern/TAMU. *Trypanosoma cruzi*: a one health approach to the epidemiology of and control of canine Chagas disease, with Dr. Ashley Saunders.
- 2021** University of Florida, November 2021, independently invited by (i) Dept. of Wildlife Ecology and Conservation and (ii) Dept. of Infectious Disease and Immunology. Joint seminar for both groups on triatomine ecology. (in person)
Southern Illinois University at Edwardsville, School of Pharmacy. October 22, 2021. Invited seminar on establishing a community science program for public health. (in person)
University of California Santa Barbara, Ecology, Evolution and Marine Biology Department, April 26, 2021. Kissing bugs and Chagas disease: ecology and behavior of a neglected vector revealed through community science
Texas A&M University Dept. of Veterinary Physiology and Pharmacology, April 23, 2021. Exploring natural SARS-CoV-2 infections among household pets in the Brazos Valley.
CVMBS Postdoc Association and Health Science Center Postdoc Association joint meeting on COVID-19 Research, March 30, 2021.

- 2020** Midwest Center of Excellence for Vector-borne Diseases. October 27, 2020. Zoom seminar. *Community Science Approaches for Vector Research- Lessons Learned*.
Virtual Vector Biology Symposium, October 16, 2020. Zoom seminar to over 200 participants from over 20 countries. *Triatomine vectors of the Chagas disease parasite: ecology, behavior, and transmission at the human-animal interface*.
Warnell School of Ecology, University of Georgia, October 1, 2020. Rescheduled as zoom seminar; originally invited for in-person visit in Spring 2020 cancelled due to COVID. *Ecology of natural transmission cycles of the agents of Chagas disease and COVID-19 at the human-animal interface*
- 2018** Toxicology Interdisciplinary Program TAMU. May 2018. *Host-vector-parasite interactions in Chagas disease*.
- 2017** Old Dominion University, Department of Biological Sciences, Norfolk, VA. March 2017. *Vector-borne disease at the human-wildlife-domestic animal interface: Tick-borne disease and Chagas disease in the southern US*.
- 2016** Smithsonian Conservation Biology Institute, Migratory Bird Center, National Zoo, Washington D.C. December 2016. *Disease Risks to Whooping Cranes Determined by Non-Invasive Sampling and Analysis of Sandhill Cranes as Surrogates*.
University of Manitoba, Department of Entomology, Manitoba, Canada. October 2016. *Chagas disease ecology at the intersection of human, animal, and vector populations*.
MD Anderson Cancer Center Michale E. Keeling Center for Comparative Medicine and Research. Bastrop, TX. June 2016. *Chagas disease ecology at the intersection of human, animal, and vector populations*. Hodo, CL, SA Hamer.
Nexus between plant vector biology and animal/human vector biology. COALS mini-symposium, College Station, TX. May 18, 2016. *Tick and Triatomine transmitted pathogens*
Baylor College of Medicine, National School of Tropical Medicine, Houston, TX. Mar 26, 2016. *Chagas disease ecology in Texas: citizen science, canine and wildlife reservoirs, and risk along the border*.
- 2015** Rutgers University, Department of Anthropology, New Brunswick, NJ. Oct 26, 2015. 'Zoonoses in Society: Parasites and Human Evolution' Seminar Series. *Chagas disease in humans and animals*.
Cary Center for Ecosystem Sciences, Millbrook, NY. Feb 25-27, 2015. *Chagas disease ecology at the intersection of human, vector, and wildlife populations*.
- 2014** Ecology and Evolutionary Biology Interdisciplinary Program, College Station, TX, Oct 22, 2014. *Chagas disease ecology at the intersection of human, vector, and wildlife populations*.
Schubot Exotic Bird Center, Texas A&M University, College Station, TX, Feb 19, 2014. *Updates on wild bird disease ecology research: Whooping cranes and flying ticks*
University of Texas Medical Branch, Viral Pathogenesis Seminar, Galveston, TX, Feb 18, 2014. *Ecology and epidemiology of vector-borne diseases at the human-wildlife interface*.
- 2013** University of Illinois, Department of Entomology Seminar, Urbana, IL Oct 13-15, 2013. *Chagas disease eco-epidemiology in the southern US: applying a 'One Health' approach to a neglected vector-borne parasite of humans and dogs*.
University of Richmond, Department of Biology Seminar Speaker and Pre-veterinary club speaker, Richmond, VA, Feb 3-4, 2013. *The complex interface among urban birds, cryptic pathogens, invading ticks and human health*.
Texas A&M Health Science Center College of Medicine, Department of Microbiology and Molecular Pathogenesis, College Station, TX, Jan 14, 2013. *Eco-epidemiology of tick-borne diseases at the wildlife-human health interface*.
- 2012** Texas A&M University, Department of Entomology Seminar, College Station, TX, Sept 2012. *The complex interface among wild bird populations, tick-borne pathogens, and human health*.
- 2011** Stanford University, Globally Emerging Zoonotic Diseases Course (CompMed 84Q). Topic: Emerging tick-borne disease ecology. Professor: Dr. Stephen Felt
- 2010** University of Wisconsin, Department of Pathobiology, Evolution Seminar Series, Madison, WI, Oct 2010
- 2007** University of Tennessee, The Center for Wildlife Health Seminar Series, Knoxville, TN

Invited Presentations at Scientific Conferences

- 2024** American Veterinary Medical Association (AVMA) annual meeting, June 21-25, Austin, TX. Epidemiology

ACVPM Symposium, Household Pets, Café Cats, and Captive Deer: Ecological Investigations Reveal Changes in the Frequency of Animal Infections Across the Waves of the SARS-CoV-2 Pandemic in Texas

- 2023** American Society of Tropical Medicine & Hygiene Annual Meeting. Chicago, IL. October 21 2023., Panelist 'An AJTMH Tropical Bookshelf Panel with Daisy Hernandez, Author of The Kissing Bug—A True Story about an Insect, a Family and a Nation's Neglect of a Deadly disease. Society for Vector Ecology, Charleston, SC. September 2023. Hamer S, Busselman R, Balasubramanian S, Fernandez-Santos N, Hamer G. Interpreting wildlife-vector interactions through deep sequencing of vector blood meals: the ecology of triatomines and soft ticks in Texas Society for Vector Ecology, Charleston, SC. September 2023. Hamer G. Hamer S. Busselman R, Durden C. Xenointoxication: a One Health framework for the control of multiple vector-borne diseases Society for Vector Ecology, Charleston, SC. September 2023. Busselman RE, Curtis-Robles R, Meyers AC, Zecca IB, Auckland LD, Hodo CL, Christopher D, Saunders, AB, Hamer SA. Abundant triatomines in Texas dog kennel environments: Collections by a scent detection dog, infection with *Trypanosoma cruzi*, and blood feeding hosts. 'What's New in Chagas Disease Vectors' symposium, Oral presentation. Society for Vector Ecology, Charleston, SC. September 2023. Ferreira, F. C., S. Sneed, L. D. Auckland, B. K. Hartup, M. A. Pacheco, A. Escalante, G. L. Hamer, S.A. Hamer. Dynamics of malaria parasites and related haemosporidians infecting sandhill cranes (*Grus canadensis*): a 21-year study. Avian symposium, Oral presentation.
- 2022** Entomological Society of America annual meeting, November 13-16, 2022, Vancouver, Canada. Invited presentation in the symposium 'Where the Wild Things Are: One Health at the Wildlife-Arthropod Interface'. 'Interpreting wildlife-vector interactions through deep sequencing of vector bloodmeals: the ecology of triatomines and soft ticks in Texas'. S. Hamer, S. Balasubramanian, R. Busselman, R. Curtis, G. Hamer
American Veterinary Medical Association (AVMA) annual meeting, One Health Symposium, Philadelphia, PA. Oral presentation. July 2022. SARS-CoV-2 in Companion Animals: active surveillance over 2+ years., Busselman, RE and Hamer SA.
- 2021** American Society of Tropical Medicine and Hygiene Annual Meeting. Nov 17-21, 2021, virtual. Invited Speaker in the ACME symposium: Fresh Voices in Neglected Vector-borne Diseases
14th Annual Harris County One Health Conference, Oct 16-17, 2021, virtual. Invited presentation on pets and COVID-19.
South Texas One Health Symposium (Brownsville-Matamoros Binational Health week), Oct 7-8. 2021, Gladys Porter Zoo, Brownsville, TX.
AVMA Convention, July 29 – August 1, 2021. Invited Speaker in One Health Symposium focused on COVID-19 (virtual).
ACVIM Forum, June 9-12, 2021. Invited Speaker in Small Animal SARS-CoV-2 Symposium for SARS-CoV-2 research (virtual)
- 2020** Entomological Society of America, Bridging the Gap: Bringing Entomology to the Public & Other Disciplines Symposium. November 18, 2020. Virtual live presentation.
American Veterinary Medical Association (AVMA) Convention, July 31-Aug 3, 2020, San Diego, CA. Invited speaker for Global Health Summit. Climate change and vector-borne disease. Cancelled due to COVID-19.
NATURE/Vector-borne Infectious disease conference, hosted by Nature Communications and NPJ Vaccines, March 23-25, Galveston, TX. Keynote Speaker. Cancelled due to COVID-19.
5th Annual South Texas Tropical Medicine & Vector Borne Conference, Feb 2020 South Padre Island, TX. Canine Chagas disease- updates from research along the US-Mexico border.
Texas Ornithological Society, Jan 16-19 2020, College Station, TX. 'Disease Ecology of Neotropical Migrants in Texas.' Hamer SA, Cohen SD, DeBrock S, Marra P.
- 2019** American College of Veterinary Pathologists Annual Meeting, San Antonio, TX. Nov 2019. Symposium: An Overview of Contemporary Topics on Chagas Disease in Wildlife, Domestic and Laboratory Animals. Triatomine vectors and *Trypanosoma cruzi* infections in domestic animals of the southern United States.
8th Annual UTMB Global Health Education Symposium, 2019 Galveston, Texas. Evaluating Domestic Dogs as Sentinels of Chagas Disease and Arboviruses in Two Zoogeographical Regions of Mexico. Davila E, Ochoa Diaz-Lopez H, Fernandez NA, Rodriguez-Perez MA, Estrada-Franco JG, Arellano Chavez S, Wei L, Aguilar-Duran JA, Frank M, Borucki M, Martin E, Hamer SA, Hamer G.

- Society of Vector Ecology 49th annual meeting, Sept 2019, San Juan, Puerto Rico. Importance of veterinary medicine in vector control. Invited talk in symposium: Healthcare, Public Health, and Vector Control: The Disconnect.
- Society of Vector Ecology 49th annual meeting, Sept 2019, San Juan, Puerto Rico. Texas A&M Kissing Bug Citizen Science Program: If you build it, they will come. Curtis-Robles, K Killets, LD Auckland, GL Hamer, SA Hamer.
- Society of Vector Ecology 49th annual meeting, Sept 2019, San Juan, Puerto Rico. Parasitic interactions among *Trypanosoma cruzi*, triatomine vectors, domestic animals, and wildlife in Big Bend National Park along the Texas-Mexico border. Meyers, A., R. Curtis-Robles, L. Auckland, S. Balasubramanian, I. Zecca, R. Skiles and S. Hamer.
- TAMU Canine Conference, August 23-24, 2019. Canine Chagas Disease, A. Saunders and S. Hamer. (Published Proceedings).
- Ecological Society of America, August 11-13, 2019, Louisville, KY. *Disease ecology symposium: Applying host/vector/pathogen genetics to explain vector-borne disease across variable landscapes: The case of Chagas disease in the southern U.S.*
- 27th Conference of the World Association for the Advancement of Veterinary Parasitology, July 7-11, 2019, Madison, WI. **Plenary Speaker.** *Ecology and Behavior of Triatomines and Trypanosoma cruzi at the Human-Wildlife-Dog Interface in the Southern United States*
- South Texas Vector and Tropical Disease, Feb 13-15, 2019, South Padre Island, TX. What does five years of citizen science data tell us about kissing bugs?
- 2018** Entomology Society of America, Invited Speaker in the symposium: Citizen Science in a Changing World: Successes & Challenges Across Projects and Institutions, Nov 2019, Vancouver, BC, Canada
- American Society of Tropical Medicine and Hygiene Annual Meeting. Invited Speaker in the symposium: Chagas' Disease in the United States – Is it Time for Primary Prevention? Oct. 2018. New Orleans, LA.
- Society of Vector Ecology, Yosemite, CA, Oct 2018. Invited speaker in the symposium 'VECTOR-HOST INTERACTIONS AND THEIR IMPLICATIONS FOR PATHOGEN MAINTENANCE, SURVEILLANCE AND VECTOR CONTROL.' Chagas disease ecology at its northern edge of endemicity.
- Society of Vector Ecology, Yosemite, CA, Oct 2018. Dog-vector-parasite interactions in the Chagas disease system: cardiac health impacts in naturally-infected government working dogs. Meyers, A., J. Purnell, M. Ellis, L. Auckland, M. Meinders, A. Saunders and S. Hamer.
- South Texas Vector and Tropical Disease, Feb 2018, South Padre Island, TX. *Trypanosoma cruzi* & Chagas Disease: Research Updates from Texas A&M University. Zecca IB, Hamer SA.
- 2017** American Society of Tropical Medicine and Hygiene 66th Annual Meeting, November 5-9, 2017, Baltimore, MD. Symposium: Novel datasets and approaches to study the emergence of Lyme disease and other tick-borne diseases in the United States. *Predicting the introduction and transmission of high-consequence foreign tick-borne diseases in the United States.*
- American Society of Tropical Medicine and Hygiene 66th Annual Meeting, Baltimore, MD. Nov 2017. PhD student Hodo invited participant in: American Committee of Medical Entomology (ACME) Symposium II: New and Young Investigators in Medical Entomology. *Trypanosoma cruzi transmission ecology at non-human primate facilities in Texas.*
- 7th International Congress of the Society for Vector Ecology (SOVE), October 1-6, 2017, Palma de Mallorca, Spain. *Chagas disease ecology near its northern edge of endemicity.*
- American College of Veterinary Internal Medicine Forum, June 8-10, 2017, National Harbor, MD. Invited CE lecture for Companion Animal Infectious Disease Special Interest Group. *Chagas Disease at the Canine-Wildlife-Human-Vector Interface.* Proceedings co-authored with R Curtis-Robles.
- 61st annual meeting of the Entomological Society of America- Southwestern Branch. Austin, TX, April, 2017. *Citizen Science advances Chagas disease research at the vector-human-animal interface.*
- 91st annual meeting of the Entomological Society of America- Southeastern Branch. Memphis, TN, March 2017. *Triatomines and Chagas disease at the human-wildlife-domestic animal interface.*
- South Texas Tropical Medicine & Vector Control Conference, Feb 14-16, 2017. South Padre Island, TX. *Kissing Bug Surveillance.* SA Hamer and GL Hamer.
- 2016** South Texas Tropical Medicine & Vector Control Conference, Feb 17-19, 2016. South Padre Island, TX. *Ecology of kissing bug vectors and Chagas disease in Texas,* SA Hamer. *Comparative Pathology of Chagas Disease.* Hodo, CL, SA Hamer.

- 2015** US Animal Health Association, Oct 22-28, 2015, Providence, RI. Rabies and Public Health Committee. *Chagas disease research updates from Texas*.
Entomological Society of America- North Central Branch. Manhattan, KS, June 2015. *Invasion ecology of exotic ticks imported to the United States by migratory birds*. E. B. Cohen, L. D. Auckland, P. P. Marra, S. A. Hamer.
- 2014** Aransas National Wildlife Refuge Research Symposium. Port Aransas, TX. September 2014. *Disease risks to whooping cranes determined by non-invasive sampling and analysis of sandhill cranes as surrogates*. Bertram MR (presenter), Hamer SA, Hamer GL.
Extension Entomology/Integrated Pest Management Professional Improvement Conference, New Brunfels, TX, March 18-19, 2014. *Overview of Chagas Disease*. Rachel Curtis (presenter), Gabriel Hamer, and Sarah Hamer. **Ranked by participants as #2 of 19 presentations.**
- 2013** Entomological Society of America, Austin, TX, Nov 9-14, 2013. Symposium on Environmental Determinants and Ecological Consequences of Invasions by Arthropod Disease Vectors. *Flying Ticks: migratory birds in the ecology of invasive ticks and zoonotic pathogens*.
Entomological Society of America, Southwestern Branch. Symposium on blood-feeding arthropods. Las Cruces, NM, Feb. 26-28, 2013. *Bird-feeding ticks: Ecology, invasion biology, and implications for human health*.
- 2012** Invited presenter on CDC's 'Selected Zoonotic Disease Conference Call', Aug 1, 2012. *Wild birds and the urban ecology of tick-borne zoonotic pathogens*.
Meril-NIH National Veterinary Scholar Symposium, Young Investigator Competition in Loveland, CO. *The complex interface among wild bird populations, tick-borne pathogens, and human health*.
Third Place Award of 58 applicants.
- 2010** Symposium in wildlife as reservoirs of human disease agents. American College of Veterinary Pathologists. Baltimore, MD
- 2009** Wildlife Disease Association Annual Conference, Blaine, WA
Keynote student oral presentation
- 2007** Midwest Fish and Wildlife Conference. Madison, WI
- 2006** Michigan Department of Agriculture Meeting, DeWitt, MI
Society of Vector Ecology, Anchorage, AK
- 2004** 36th Annual Society for Vector Ecology Conference, MA
- 2003** American Ornithologists' Union, Champaign-Urbana, IL

Contributed Talks and Poster Presentations at Scientific Conferences

- 2024** Conference for Research Workers on Animal Diseases, Jan 2024 Chicago, IL. Extensive SARS-CoV-2 genomic survey supporting farmed white-tailed deer health. J. Dreyer, F. Ferreira, C. Rodriguez, G. Hamer, A. Roy, S. Hamer. POSTER
- 2023** **SOVE- Jordan**
Tian, Y., F.C. Ferreira, A.M. Moller-Vasquez, M. Granados-Presa, J.G. Juarez, P.M. Pennington, N. Padilla, G.L. Hamer, S.A. Hamer. Ectoparasites of dogs in rural Guatemala communities and infection with zoonotic agents. American Society of Tropical Medicine & Hygiene Annual Meeting. Chicago, IL. October 21 2023. Poster presentation
Fiatsonu E, Busselman RE, Hamer GL, Hamer SA, Ndeffo-Mbah ML. October 18-22, 2023. Effectiveness of fluralaner treatment regimens for the control of canine Chagas disease. A mathematical modeling study. American Society of Tropical Medicine and Hygiene, Chicago, IL. Poster presentation.
Ashbaugh O, Busselman RE, Saunders AB, Hamer SA. August 3-5, 2023. Characterizing triatomine bloodmeal hosts and the effects of insecticides in kennel environments, Texas, USA. Veterinary Scholars Symposium, San Juan, Puerto Rico. Poster presentation.
Reece Hughes, Raquel Francisco, Kayla Garrett, Kevin Willitts, Brandon Munk, Justin Brown, Carlos Rodriguez, Alexa von Dohlen, Sarah Hamer, Michael Yabsley. *Trypanosoma cruzi* infection in a black bear cub and serologic survey for exposure in wild black bears from several states. Poster Presentation for Wildlife Disease Association Conference, Athens, GA, August 2023.
Salomon, J., Tomberlin, J., Hamer, G. L., Hamer, S. A. Triatomine vector host preference in an experimental cafeteria: the impact of *Trypanosoma cruzi* infections. Society of Vector Ecology Meeting September 18th – 23rd, 2023. Charleston, South Carolina.
Ecological Integration Symposium; 31 March 2023; College Station, TX. Lights Out Texas: A Novel

- Pipeline for Detection of Highly Pathogenic Avian Influenza in Wild Migrating Passerines. Poster. Van Allen MA, Harvey A, Anderson MJ, Balasubramanian S, Andringa RK, Tang W, Hamer G, Prestridge H, Hamer S.
- 2022** Entomological Society of America annual meeting, November 13-16, 2022, Vancouver, Canada. Small mammal dissemination of acaricide-laden polymeric multiparous microparticles. Alyssa Branca, Jillian Joiner, Michael Banfield, Sarah Hamer, Gabriel Hamer, Jeb Owen, John Borden, Daniel Marshall.
- American Association of Veterinary Laboratory Diagnosticians Annual Meeting, October 6-12, 2022, Minneapolis, MN. Serology Scientific Session. Validation of a bead-based multiplex assay for detection of *Trypanosoma cruzi* antibodies in canines. Rodriguez CA, Busselman RE, Shen H, Saunders AB, Tarleton R, Hamer SA.
- American Society of Tropical Medicine and Hygiene, Seattle, Washington: Oct 30-Nov 3, 2022. Evaluation of a recombinant antigen ELISA for detection of *Trypanosoma cruzi* in dogs. Poster. Rojelio Mejia, Guilherme G. Verocai, Rachel Busselman, Ilana Mosley, Bin Zhan, Maria E. Bottazzi, Peter Hotez, Sarah A. Hamer.
- American Society of Tropical Medicine and Hygiene, Seattle, Washington: Oct 30-Nov 3, 2022. Florida Kissing Bugs Invade Homes, Feed on Diverse Hosts, and Harbor *Trypanosoma cruzi*. Poster. Beatty N, Bhosale C, White Z, Torhorst C, Wilson K, Dorleans R, Stenn T, Killets K, Curtis-Robles R, Burkett-Cadena N, Novakova E, Hamer G, Hamer S, Wisely S,
- South Texas One Health Symposium, Brownsville, TX, October 2022. Elucidating the ecology of the tick and flea vectors of Rickettsiae in Texas. Jordan Salomon, Emily Leeke, Cassandra Durden, Gabriel Hamer, Sarah A. Hamer.
- South Texas One Health Symposium, Brownsville, TX, October 2022. *Dirofilaria immitis* prevalence in shelter cats in a community in South Texas. Ilana Mosley, Italo Zecca, Neha Tyagi, Tatiana Harvey, Sarah A. Hamer and Guilherme G. Verocai.
- American Ornithological Society. San Juan, PR. July 2022. Widespread exposure of bird communities to neonicotinoid pesticides across distinct Texas Ecoregions". Oral Presentation. Anderson, M. & Valdiviezo, A., Conway, M., Farrell, C., Andringa, R., Janik, A., Chiu, W., Rusyn, I., Hamer, S.
- American Society for Parasitology, July 2022, College Station, TX. Phenology and environmental predictors of dispersal activity of adult *Triatoma sanguisuga* – vector of the Chagas parasite - in Central Texas. Juan Pablo Fimbres Macias, Trevor Harris, Sarah A. Hamer, Gabriel L. Hamer
- American Society for Parasitology, July 2022, College Station, TX. Triatomines in kennel environments: Collections by a trained dog, infection with *Trypanosoma cruzi*, and blood feeding hosts. Busselman, R.E. Meyers, A.C., Zecca I.B., Castro A.H., Hodo C.L., Christopher D, Curtis-Robles R., Saunders A.B., Hamer S.A.
- American Society for Parasitology, July 2022, College Station, TX. High prevalence of canine heartworm, *Dirofilaria immitis*, in dogs from low and middle-income communities in South Texas, USA, with evidence of *Ae. aegypti* contributing to transmission. Scavo, N.A., I.B. Zecca, C.Sobotyk de Oliveira, M.N. Saleh, S.K. Jeffreys, M.Olson, S.A. Hamer, G.G. Verocai, G.L. Hamer.
- American Society for Parasitology, July 2022, College Station, TX. Brown Dog Tick (*Rhipicephalus sanguineus* sensu lato) Infection with Endosymbiont and Human Pathogenic Rickettsia spp., Northern Mexico. Jordan Salomon, Nadia Angelica Fernandez Santos, Italo B Zecca, Jose G Estrada Franco, Edward Davila, Gabriel L Hamer, Mario Alberto Rodriguez Perez, Sarah Hamer.
- American Association of Veterinary Parasitology, Snowbird, Utah: June 25-28, 2022. *Dirofilaria immitis* prevalence in shelter cats in a community in South Texas. Ilana Mosley, Italo Zecca, Neha Tyagi, Tatiana Harvey, Sarah A. Hamer and Guilherme G. Verocai.
- ACVIM Forum. June 2022. Evaluation of *Leptospira* Exposure in Feral Cat Populations in Northern California and Southern Texas. Jamie Sebastian, Krystle Reagan, Tess Peavy, Italo Zecca, Sarah Hamer, Jane Sykes.
- 2021** Society of Vector Ecology (virtual), September 2021. *Everybody poops*: quantifying the feeding and defecation behaviors in triatomines in relation to the risk of *Trypanosoma cruzi* in the US. Killets K, Wormington J, Zecca I, Fernando Chavez L, Hamer G, Hamer S.
- Society of Vector Ecology (virtual), September 2021. *Killer K9s*: Ectoparasiticide given to dogs induce high mortality in *Triatoma gerstaeckeri*, vectors of *Trypanosoma cruzi*. Busselman R, Zecca I, Hamer G, Hamer S.
- ACVIM Forum (virtual). June 2021. Prospective cardiac evaluation in 50 asymptomatic dogs naturally-

- infected with *Trypanosoma cruzi*. ePoster. AB Saunders, S Wesselowski, E Malcolm, KT Sykes, S Collins, R Busselman, SA Hamer, JM Steiner.
- ACVIM Forum (virtual). June 2021. Chagas disease in 12 dogs translocated from Texas. ePoster. Gavic EA, Achen SE, Fox PR, Benjamin EJ, Goodwin J, Gunasekaran T, Schober K, Tjostheim S, Vickers J, Ward J, Russell D, Hamer SA, Saunders AB.
- 2020** 69th Annual American Society of Tropical Medicine and Hygiene Meeting, 2020 Virtual. Poster presentation. Davila E, Ochoa Diaz-Lopez H, Fernandez NA, Rodriguez-Perez MA, Estrada-Franco JG, Arellano. Chavez S, Wei L, Aguilar-Duran JA, Frank M, Borucki M, Martin E, Pauvolid Correa, A, A. Hamer SA, Hamer G. Seroprevalence of Antibodies Against *Trypanosoma cruzi* and Arboviruses in Domestic Dogs in Two Zoogeographical Regions of Mexico.
- American Association of Veterinary Laboratory Diagnosticians, Oct 2020. Virtual. *Trypanosoma cruzi* genotype I and *Toxoplasma gondii* coinfection in a red-necked wallaby (syn. Bennett's wallaby; *Macropus rufogriseus rufogriseus*), Texas, USA . Delgado J, Kellerman T, Auckland L, Ferro P, GRoch K, Gomez G, Hamer S.
- 5th Annual South Texas Tropical Medicine & Vector Borne Conference, Feb 2020 South Padre Island, TX. Evaluating Domestic Dogs as Sentinels of Chagas Disease and Arboviruses in Two Zoogeographical Regions of Mexico. Davila E, Ochoa Diaz-Lopez H, Fernandez NA, Rodriguez-Perez MA, Estrada-Franco JG, Arellano Chavez S, Wei L, Aguilar-Duran JA, Frank M, Borucki M, Martin E, Pauvolid Correa, A, A. Hamer SA, Hamer G.
- 5th Annual South Texas Tropical Medicine & Vector Borne Conference, Feb 2020 South Padre Island, TX, Stray cats from South Texas harbor fleas infected with *Rickettsia typhi*, the causative agent of murine typhus, Zecca IB, Balasubramanian S, Koger A, Hamer SA.
- Annual CVM Trainee Research Symposium, Texas A&M University, January 16, 2020, College Station, TX. 'Tracking of Avian Haemosporidian Parasites and Ectoparasite Infestations in Migratory Birds Arriving to Coastal Texas Over a 6-Year Period'. DeBrock S, Cohen SD, Marra P, Hamer S.
- *Spencer awarded second place platform presentation***
- 15th North American Crane Workshop, January 8-11, 2020, Lubbock, TX. High Vector-borne Haemosporidia Prevalence in Eastern Sandhill Cranes over Two Decades. Sneed, S., Auckland, L.D., Hartup, B.K., Hamer, G.L., Hamer, S.A.
- 2019** 68th annual meeting of American Society of Tropical Medicine and Hygiene, 2019 National Harbor, MD. Interactions among Chagas disease vectors and naturally infected dogs along the Texas-Mexico border. Poster presentation Meyers, A.C., Auckland, L., Balasubramanian, S., Henderson, Saunders, A.B., Hamer, S.A.
- Gordon Research Conference- Tropical Infectious Disease, 2019 Galveston, TX. Parasitic interactions among *Trypanosoma cruzi*, triatomine vectors, domestic animals, and wildlife in Big Bend National Park along the Texas-Mexico border. Meyers, A.C., R. Curtis-Robles, L.D. Auckland, I.B. Zecca, R. Skiles, S.A. Hamer.
- Society for Vector Ecology, San Juan, Puerto Rico, Sept 2019. Triatomine insects infected with *Trypanosoma cruzi* feed on zoo animals and local wildlife in a zoologic park in central Texas. Auckland LD, R Curtis-Robles, P Clark, GL Hamer, SA Hamer.
- Wildlife Disease Association 68th Annual International Conference, August 4-9, 2019, Tahoe City, CA. *Trypanosoma cruzi* (agent of Chagas disease) and *Sarcocystis* spp. in endangered South Texas ocelots (*Leopardus pardalis*). I.B. Zecca, C.L. Hodo, H. Swarts, H. L. Prestridge, T.W. deMaar, K.F. Snowden, J.E. Light, S.A. Hamer
- Wildlife Disease Association 68th Annual International Conference, August 4-9, 2019, Tahoe City, CA. High vector-borne Haemosporidia prevalence in Eastern Sandhill Cranes (*Antigone canadensis*) over two decades Sneed, S., Auckland, L.D., Hartup, B.K., Hamer, G.L., Hamer, S.A..
- National Veterinary Scholars Symposium. Worcester, MA. July 2019. Echocardiography and measurements of fitness in *Trypanosoma cruzi* seropositive and seronegative working dogs. Dowd, R., Meyers, A.C., Busselman, R.E., Henderson, M., Meinders, M., Saunders, A., Hamer, S.A.
- South Texas Tropical Medicine & Vector Borne Disease Conference: Western Gulf Center of Excellence for Vector-Borne Diseases Satellite Symposium, South Padre Island, TX, Feb 2019. Canines living in underserved communities (colonias) along the US Mexico-border serve as reservoir hosts for *Trypanosoma cruzi*, an increasing public health concern. I. Zecca, L. Auckland, E. Carbajal, S. Hamer.
- Texas A&M College of Veterinary Medicine Trainee Research Symposium., College Station, TX. January

2019. Multi-dog kennels as hotspots for *Trypanosoma cruzi* infection: parasite strains, cardiac abnormalities and vector infection in Texas kennels. Busselman, R.E., Meyers, A.C., Castro, A., Hodo, C., Zecca, I., Curtis-Robles, R., Auckland, L., Hamer, S.A.
- 2018** Entomological Society of America, Nov 2019, Vancouver, BC, Canada. Morphometric comparison of dispersal capability in *Trypanosoma cruzi* infected and uninfected Triatomines (Hemiptera: Reduviidae). J. Wormington, R. Curtis-Robles, G. Hamer, S. Hamer.
- American Society of Tropical Medicine and Hygiene, New Orleans, LA, Oct 2018. Triatomine vectors, *Trypanosoma cruzi* strains, and cardiac abnormalities associated with naturally-infected dogs across the US. A. Meyers, J. Purnell, M. Ellis, L. Auckland, M. Meinders, J. Sanders, A. Saunders, S. Hamer
- American Society of Tropical Medicine and Hygiene, New Orleans, LA, Oct 2018. Detection of Human Blood in Peridomestic and Domestic Kissing Bugs (*Triatoma* spp.) Utilizing a Rapid Forensic Test. N. Beatty, N. Behrens-Bradley, M. Love, F. McCants, S. Smith, J. Schmidt, SA Hamer, P. Dorn, N. Ahmad, S. Klotz.
- American Society of Tropical Medicine and Hygiene, New Orleans, LA, Oct 2018. Characterizing wildlife, domestic animals, and humans as sources of triatomine bloodmeals: comparison of Sanger sequencing and amplicon deep sequencing. S. Balasubramanian, R. Curtis-Robles, B. Chirra, L. Auckland, C. Johnson, R. Metz, S. Wang, G. Hamer, S. Hamer
- American Society of Tropical Medicine and Hygiene, New Orleans, LA, Oct 2018. Canine sentinels of vector-borne disease in Texas, USA: high-risk dogs infected with diverse agents including *Trypanosoma cruzi*, but little evidence of *Borrelia burgdorferi*. C. Hodo, J. Rodriguez, R. Curtis-Robles, I. Zecca, L. Auckland, K. Snowden, K. Cummings, S. Hamer
- American Society of Tropical Medicine and Hygiene, New Orleans, LA, Oct 2018. Companion dogs living in underserved communities along the US Mexico-border serve as reservoir hosts for *Trypanosoma cruzi*, an increasing public health threat. I. Zecca, L. Auckland, E. Carbajal, S. Hamer.
- International Conference on Lyme borreliosis and other tick-borne diseases, Sept 2018, CDC campus Atlanta, GA. Tick-borne disease ecology in Texas: high risk dogs and ticks infected with diverse agents but little evidence of *Borrelia burgdorferi*.
- Society for Vector Ecology, Oct 2018, Yosemite, California. *Argas giganteus* and tick-borne pathogens associated with paralysis in wild birds in the southwest, USA. Lisa D. Auckland, Patricia Latas, Pete Teel, Sarah A Hamer.
- Society for Vector Ecology, Oct 2018, Yosemite, California. Next Generation Surveillance of Triatomine (Reduviidae): Radio-telemetry, canine scent detection, and time-lapse photography. R Curtis-Robles, J Bejcek, E Valdez, D Christopher, G Hickling, G Hamer, S Hamer.
- Wildlife Disease Association Annual Conference, St. Augustine, FL, USA. August 2018. On and off-host tick abundance and infection with *Borrelia* and *Rickettsia* spp. under variable fire management regimes in East Texas. Hodo, CL, D Forgacs, GL Hamer, SA Hamer. Poster.
- National Veterinary Scholars Symposium Aug 2018, College Station, TX. Influence of *Trypanosoma cruzi* strain and vector species on selected canine Chagas cardiac disease outcomes. Castro, A. H., A. C. Meyers, C. L. Hodo, I. B. Zecca, R. Curtis, L. D. Auckland, A. Saunders and S. A. Hamer.
- 63rd annual meeting of American Association of Veterinary Parasitologists, 2018 Denver, CO. *Leishmania* sp. infection in a domestic cat (*Felis catus*) in central Texas with sandfly vectors collected at the residence. Meyers, A., J.E. Thomas, AP. Patterson, A. Diesel, S. Hamer and K. Snowden.
- International Conference on Emerging Infectious Diseases, 2018 Atlanta, GA. Prevalence of the Chagas Disease Parasite, *Trypanosoma cruzi*, in Government Working Dogs and Associated Cardiac Health. Meyers, A., J. Purnell, M. Ellis, L. Auckland, M. Meinders, A. Saunders and S. Hamer.
- Population Biology of Vector-Borne Diseases, Special Symposium, University of Georgia, Athens, GA. Feb 2018. *Ecology of Trypanosoma cruzi at facilities housing naturally infected non-human primates in Texas, USA*. Hodo, CL, EC Birkner, SB Gray, GK Wilkerson, R Curtis-Robles, G Fleurie, M Cottingham, SA Hamer. Poster.
- 2017** 66th annual meeting of American Society of Tropical Medicine and Hygiene, 2017 Baltimore, MD. Epidemiology of *Trypanosoma cruzi* in Urban Dwelling Opossum (*Didelphis virginiana*) and Feral Cat (*Felis catus*) Populations of the Rio Grande Valley, Texas. Zecca IB, Hodo C, Killets K, Auckland L, Hamer S.
- 66th annual meeting of American Society of Tropical Medicine and Hygiene, 2017 Baltimore, MD.

- Trypanosoma cruzi* infection and cardiac outcomes in government working dogs across the United States Meyers, A., J. Purnell, M. Ellis, L. Auckland, M. Meinders, A. Saunders and S. Hamer.
- National Veterinary Scholars Symposium, Aug 2017, Bethesda, MD. ECG abnormalities in *Trypanosoma cruzi* seropositive and negative working dogs across the US-Mexico border. Ellis, L., J. Purnell, A. Meyers, M. Meinders, A. Saunders and S. Hamer.
- National Veterinary Scholars Symposium, Aug 2017, Bethesda, MD. Prevalence and genetic strain types of *Trypanosoma cruzi* infection in working dogs and vectors across the U.S. Purnell, J., M. Ellis, A. Meyers, M. Meinders and S. Hamer. P
- Wildlife Disease Association, Chiapas, Mexico, July 2017. Chagas disease ecology near its northern edge of endemicity. S. Hamer
- Wildlife Disease Association, Chiapas, Mexico, July 2017. *Trypanosoma cruzi* infection prevalence and pathology among coyotes (*Canis latrans*) and raccoons (*Procyon lotor*) of Texas, USA. CL Hodo, E. Wozniak, E. Edwards, R. Bañuelos, E. Birkner, SA Hamer.
- Wildlife Disease Association, Chiapas, Mexico, July 2017. Epidemiology of *Trypanosoma cruzi* in urban dwelling opossum (*Didelphis virginiana*) and feral cat (*Felis catus*) populations of the Rio Grande Valley, TX. IB Zecca, L Auckland, C Hodo, S Hamer.
- American Association of Veterinary Parasitologists, July 2017, Indianapolis, Indiana. Dog kennels as a nidus of infection: triatomine vector activity, *Trypanosoma cruzi* infection dynamics and Chagas disease cardiomyopathy in a central Texas dog kennel. R Curtis-Robles, V Roman-Cruz, L Auckland, G Hickling, C Hodo, E Edwards, S Hamer.
- 67th Annual James Steele Conferences on Diseases in Nature Transmissible to Man, May 24-26, 2017, Irving, Texas. High prevalence of canine *Trypanosoma cruzi* infection in a kennel in central Texas: A cross-sectional analysis. Valery Roman-Cruz, Rachel Curtis-Robles, Graham Hickling, Carolyn Hodo, Erin Edwards, Sarah Hamer.
- Gordon Conference on Tropical Infectious Disease, Galveston, TX. Mar 2017. Ecology of *Trypanosoma cruzi* at facilities housing naturally infected non-human primates in Texas, USA. CL Hodo, EC Birkner, GK Wilkerson, SB Gray, R Curtis-Robles, M Cottingham, G Fleurie, SA Hamer.
- Gordon Conference on Tropical Infectious Disease, Galveston, TX. Mar 2017. Epidemiology and discrete typing units of *Trypanosoma cruzi* in working dogs and local vectors along the Texas-Mexico Border. A Meyers, M Meinders, SA Hamer.
- 2016** American College of Veterinary Pathologists Annual Meeting, New Orleans, LA. Dec 2016. *Pathologic lesions and prevalence of Trypanosoma cruzi in wild coyotes (Canis latrans) of Texas*. Hodo, CL, EJ Wozniak, EE Edwards, RM Bañuelos, EC Birkner, SA Hamer.
- American College of Veterinary Pathologists Annual Meeting, New Orleans, LA. Dec 2016. Proliferative lesions associated with poxvirus in wild rodents in Texas. Hodo, CL, JL Mansell, JE Light, SA Hamer.
- American Society of Tropical Medicine and Hygiene 65th Annual Meeting, Atlanta, GA. Nov 13-17, 2016. Assessments of wildlife reservoirs of *Trypanosoma cruzi* and their interactions with triatomine vectors across Texas. SA Hamer.
- American Society of Tropical Medicine and Hygiene 65th Annual Meeting, Atlanta, GA. Nov 13-17, 2016. November 2016. Oral presentation. Spatio-temporal analysis and *Trypanosoma cruzi* (agent of Chagas disease) infection prevalence of citizen-collected triatomine vectors across the southern USA. Young Investigator Competition (Curtis-Robles).
- American Society of Tropical Medicine and Hygiene 65th Annual Meeting, Atlanta, GA. Nov 13-17, 2016. Prevalence and Risk Factors of *Trypanosoma cruzi* Infections in Working Dogs Along the Texas-Mexico Border. Poster presentation, Meyers, A., M. Meinders, and S. Hamer.
- American Public Health Association Annual Meeting, Denver, CO, Oct 2016. *Determining the Prevalence of Chagas Disease in the Rio Grande Valley Region of the TX-MX Border*. Zecca, I, Curtis-Robles, R, Roman-Cruz, V, Carbajal, E, Auckland, L, Flores, I, Millard, A, Hamer, S.
- XXV International Congress of Entomology, Orlando, FL, Sept 2016. Invasion of the BLTs: Patterns and mechanisms of the geographic expansion of Lyme disease in the midwestern U.S. Brian F Allan, N. Pawlikowski, A. Gardner, S. Hamer, G. Hickling, J. Miller, A. Schotthoefer, J. Tsao.
- XXV International Congress of Entomology, Orlando, FL, Sept 2016. Spatial analysis of triatomine vectors of Chagas disease in Texas. R. Curtis-Robles, S. Hamer, S. Lane, M. Levy, G. Hamer.
- XXV International Congress of Entomology, Orlando, FL, Sept 2016. Demystifying kissing bugs

- identification for a broad audience: Guide to Chagas disease vector species of the United States (Hemiptera: Reduviidae: Triatominae). J. Bejcek, S. Hamer, G. Hamer.
- American Association of Veterinary Parasitologists, San Antonio, Texas. August 2016. High *Trypanosoma cruzi* infection prevalence associated with minimal cardiac pathology among wild carnivores in central Texas. R Curtis-Robles; B Lewis; SA Hamer. August 2016. Oral presentation.
- James Steele Conference on Diseases in Nature Transmissible to Man. San Antonio, TX. May 2016. Ticks and tick-borne pathogens associated with Texas feral swine. Lisa D. Auckland, Chelsea Young, Brian T. Mesenbrink, Bruce R. Leland, Michael J. Bodenchuk, Sarah A. Hamer.
- James Steele Conference on Diseases in Nature Transmissible to Man. San Antonio, TX. May 2016. *Infection of sylvatic and peridomestic bats with trypanosomes, including Trypanosoma cruzi, in bats in Texas, USA.* Hodo, CL, B Mayes, K Waldrup, SA Hamer. Poster.
- James Steele Conference on Diseases in Nature Transmissible to Man. San Antonio, TX. May 2016. *Determining the Prevalence of Chagas Disease in the Rio Grande Valley Region of the TX-MX Border.* Zecca, I, Curtis-Robles, R, Roman-Cruz, V, Carbajal, E, Auckland, L, Flores, I, Millard, A, Hamer, S.
- James Steele Conference on Diseases in Nature Transmissible to Man. San Antonio, TX. May 2016. *Chagas Disease Epidemiology in Working Dogs Along the Texas-Mexico Border.* Meyers A, Zecca I, Meinders M, Hamer S.
- Texas Public Health Association, Galveston, TX, April 11-13, 2016. *Chagas Disease in South Texas: Targeting Education and Outreach.* Paula E. Stigler Granados, Jose A. Betancourt, Gerardo Pacheco, Thomas L. Cropper, Edward J. Wozniak, Candelaria C. Daniels, Sarah A. Hamer, Gabriel L. Hamer.
- American Association of Veterinary Medical Colleges, Washington, DC, March 4-6, 2016. *Building One Health Research at Texas A&M: A Successful Model.* Hamer S, Han A, Lawhon S, Pillai S, Welsh T, Chaddock M, Green E, Holub M, Wilburn A, Krecek RC.
- 64th Annual Meeting of the Southwestern Branch of the Entomological Society of America. Tyler, TX, Feb 2016. *Determining the Prevalence of Chagas Disease in the Rio Grande Valley Region of the TX-MX Border.* Zecca, I, Curtis-Robles, R, Roman-Cruz, V, Carbajal, E, Auckland, L, Flores, I, Millard, A, Hamer, S.
- 64th Annual Meeting of the Southwestern Branch of the Entomological Society of America. Tyler, TX, Feb 2016. *Chagas Disease Epidemiology in Working Dogs Along the Texas-Mexico Border.* Meyers A, Zecca I, Meinders M, Hamer S.
- 2015** Conference for Research Workers on Animal Disease, Dec 7-9, 2015, Chicago, IL. *Epidemiologic aspects of fecal Salmonella and Campylobacter shedding among dogs at seven animal shelters across Texas.* Lorraine D. Rodriguez-Rivera, Kevin J. Cummings, Alicia M. Leahy, Shelley C. Rankin, Sara D. Lawhon, ChingYuan Yang, Sarah A. Hamer
- Association of Military Surgeons of the United States (AMSUS), San Antonio, TX, Dec 2 2015. *Chagas Disease in South Texas: Targeting Education and Outreach.* Paula E. Stigler Granados, Jose A. Betancourt, Gerardo Pacheco, Trevor Maness, Thomas L. Cropper, Edward J. Wozniak, Candelaria C. Daniels, Sarah A. Hamer, Gabriel L. Hamer.
- American Society of Tropical Medicine and Hygiene, Philadelphia, PA, Oct 2015. *Chagas disease epidemiology and outreach in high-risk human and canine populations along the US-Mexico border.* Sarah Hamer, Italo Zecca, Rachel Curtis, Ann Millard, Dan Goldberg, Cecilia Giusti, Charles Criscione, Gabriel Hamer
- International Conference on Lyme Borreliosis and other Tick-borne Diseases, Vienna, Austria, Sept 2015. *Avian migrants facilitate invasions of Neotropical ticks and tick-borne pathogens into the United States.* E. B. Cohen, L. D. Auckland, P. P. Marra, S. A. Hamer.
- International Conference on Lyme Borreliosis and other Tick-borne Diseases, Vienna, Austria, Sept 2015. *Lyme-group Borrelia not confirmed in human-biting Amblyomma americanum ticks from the southeastern United States.* Ellen Stromdahl, Lisa Auckland, Heather Carolan, Chris Crowder, Mark Eshoo, Jennifer Gibbons, Graham Hickling, Robyn Nadolny, Mark Pilgard, and Sarah Hamer.
- Wildlife Disease Association, Queensland, Australia, August 2015. *Avian migrants facilitate invasions of Neotropical ticks and tick-borne pathogens into the United States.* E. B. Cohen, L. D. Auckland, P. P. Marra, S. A. Hamer.
- Wildlife Disease Association, Queensland, Australia, August 2015. Conservation implications of

- coccidian and vector-borne parasites in the endangered whooping crane (*Grus americana*). Bertram, M. R., B. K. Hartup, K. F. Snowden, S. A. Hamer, and G. L. Hamer. National Veterinary Scholars, UC-Davis, August 2015. *Eco-epidemiology of Chagas Disease at a non-human primate research facility in south-central Texas*. Nicole Bertolini, Carolyn Hodo, Don Taylor, John Bernal, Sarah Hamer.
- National Veterinary Scholars, UC-Davis, August 2015. *Infection of sylvatic and peridomestic bats with trypanosomes, including Trypanosoma cruzi, in Texas*. Chloe Goodwin, Carolyn Hodo, Bonny Mayes, Ken Waldrup, Jessica Light, Sarah Hamer.
- Ecology and Evolution of Infectious Diseases, Atlanta, GA, May 2015. *Avian migrants facilitate invasions of Neotropical ticks and tick-borne pathogens into the United States*. E. B. Cohen, L. D. Auckland, P. P. Marra, S. A. Hamer.
- James Steele Conference on Diseases in Nature Transmissible to Man, Galveston, TX, May 2015. *Shelter dogs reveal trends in zoonotic, vector-borne and parasitic diseases across Texas*. Carolyn Hodo, Kevin J. Cummings, Jessica Rodriguez, Rachel Curtis-Robles, Lorraine Rodriguez-Rivera, Trevor D. Tenney, Alicia Leahy, Karen F. Snowden, Sarah A. Hamer
- James Steele Conference on Diseases in Nature Transmissible to Man, Galveston, TX, May 2015. *The Role of Bats in the Eco-Epidemiology of Chagas Disease in the US*. Carolyn Hodo, Bonny Mayes, Sarah Hamer
- James Steele Conference on Diseases in Nature Transmissible to Man, Galveston, TX, May 2015. *Migratory birds facilitate invasions of exotic ticks and tick-borne pathogens into the United States*. Lisa D. Auckland, Emily B. Cohen, Peter P. Marra, Sarah A. Hamer.
- American Association of Veterinary Parasitologists. Boston, MA. July 2015. *Worms of the Wild Whoopers: Characterization of helminths in endangered whooping cranes (Grus americana) and sympatric sandhill cranes (Grus canadensis)*. Bertram MR, Hamer GL, Snowden KF, Hartup BK, Rech R, Hensel M, Hamer SA.
- Public Health Week at TAMU, College Station, TX. April 2015. *Identification of Blood Meal Sources in Kissing Bugs, the Chagas Disease Vector*. Alan Mai, Rachel Curtis-Robles, Lisa Auckland, Gabriel Hamer, and Sarah Hamer.
- Gordon Research Conference – Tropical Disease, Galveston, TX, March 2015. *Ecology and Epidemiology of Trypanosoma cruzi and its triatomine vectors in Texas*. Rachel Curtis-Robles, Gabriel L. Hamer, Edward J. Wozniak, Sarah A. Hamer.
- College of Veterinary Medicine Student Research Symposium, Texas A&M University. College Station, TX. January 2015. *Cranes, coccidia, and conservation: detection and characterization of coccidian parasites in the endangered whooping crane*. Bertram MR, Hamer GL, Snowden KF, Hartup BK, Hamer SA. **Miranda received third place grad student presentation.**
- 2014** Entomological Society of America, Portland, OR, Nov 15-19, 2014. *Is tick-borne disease risk altered by the red imported fire ant?* Sarah A. Hamer, Adrian A. Castellanos, Gabriel L. Hamer, Michael E. Morrow, Pete D. Teel, Micky D. Eubanks, and Jessica E. Light
- Society for Vector Ecology, San Antonio, Texas, October 2014. *Kissing bugs, citizen science, and Chagas disease: A comprehensive ecological research approach to studying the disease system in Texas and the southern US* R Curtis-Robles; GL Hamer; EJ Wozniak; SA Hamer.
- James Steele Conference on Diseases in Nature Transmissible to Man, Irving, TX, June 25-27, 2014. *Ticks and tick-borne pathogens in Texas: Updates on three eco-epidemiological studies*.
- James Steele Conference on Diseases in Nature Transmissible to Man, Irving, TX, June 25-27, 2014. *Tick-borne infectious agent in nature: simulated effects of host community changes on spatial-temporal prevalence of three-host ticks*. Hsiao-Hsuan Wang, William E. Grant, Pete D. Teel, and Sarah A. Hamer
- James Steele Conference on Diseases in Nature Transmissible to Man, Irving, TX, June 25-27, 2014. *Chagas disease ecology in Texas: A look at geographic distribution of vector species and parasites strains*. Curtis, R., E. J. Wozniak, K. F. Snowden, G. L. Hamer, S. A. Hamer.
- American Association of Veterinary Parasitologists, Denver, CO, July 2014. *Diversity of Trypanosoma cruzi strain types in vector and host populations throughout Texas*. Curtis, R. G. L. Hamer, E. J. Wozniak, K. F. Snowden, S. A. Hamer. **Rachel awarded 1st place Bayer Best Student Paper Award.**
- American Association of Veterinary Parasitologists, Denver, CO, July 2014. *Detection and characterization of Haemosporidia in Whooping cranes and Sandhill cranes*. Bertram M. R., S. A. Hamer, B. K. Hartup, G. L. Hamer. **Miranda received honorable mention.**
- Ecological Integration Symposium, College Station, TX, Mar 21-22, 2014. *Impact of red imported fire*

- ants on small mammals, ticks and tick-borne pathogens.* Adrian Castellanos, Sarah A. Hamer, Katelyn M. Wagner, Gabriel L. Hamer, Michael E. Morrow, Pete D. Teel, Micky D. Eubanks, and Jessica E. Light. **Adrian awarded 1st place graduate poster presentation.**
- Ecological Integration Symposium, College Station, TX, Mar 21-22, 2014. *Chagas disease ecology in Texas: a look at geographic distribution of vector species and parasite strains.* Rachel Curtis, Edward J. Wozniak, Gabriel L. Hamer, and Sarah A. Hamer.
- Ecological Integration Symposium, College Station, TX, Mar 21-22, 2014. *Small rodent species as reservoirs for tick-borne pathogens in East-Central Texas.* Jaime Rodriguez, Adrian Castellanos, Lisa Auckland, Jessica E. Light and Sarah A. Hamer.
- American Association of Veterinary Medical Colleges, Alexandria, VA. Mar 14-16, 2014. *Merging ecology and epidemiology to reduce the burden of human and canine Chagas disease: a One Health approach.* Rachel Curtis, Gabriel Hamer, and Sarah Hamer. **Rachel awarded 1st place student poster.**
- Texas Society of Mammalogists, Junction, TX, Feb. 14-26, 2014. *Impact of red imported fire ants on small mammals, ticks, and tick-borne pathogens.* Adrian A. Castellanos, Sarah A. Hamer, Katelyn M. Wagner, Gabriel L. Hamer, Michael E. Morrow, Pete D. Teel, Micky D. Eubanks, and Jessica E. Light. **Adrian awarded best student poster presentation.**
- Graduate Research Symposium, College Station, TX, Jan 30, 2014. *Trypanosoma cruzi genetic strain diversity in kissing bug vectors and Texas wildlife.* Rachel Curtis, Gabriel Hamer, Edward Wozniak, Karen Snowden, Robert Coulson, and Sarah Hamer. **Rachel awarded 2nd place student platform presentation**
- 2013** Entomological Society of America, Austin, TX, Nov 9-14, 2013. Jaime Rodriguez, Adrian Castellanos, Lisa Auckland, Jessica Light, and Sarah Hamer. Poster presentation. *A longitudinal study in central Texas suggests small rodent species are reservoirs for the zoonotic relapsing fever spirochete, Borrelia miyamotoi.*
- Entomological Society of America, Austin, TX, Nov 9-14, 2013. Rachel Curtis, Gabriel Hamer, Edward Wozniak, Karen Snowden, and Sarah Hamer. Poster presentation. *Trypanosoma cruzi prevalence and genetic strain diversity in kissing bug vectors (Triatoma spp., Reduviidae) across the southern United States.*
- The Wildlife Society, Milwaukee, WI, Oct 5-10, 2013. *Vector-host-pathogen associations for Ehrlichia muris, an emerging tick-borne disease.*
- International Conference on Lyme borreliosis and other tick-borne diseases, Boston, MA, Aug 18-23, 2013. *Ecology of Ehrlichia muris in the US: vector-host-pathogen associations and genetic diversity.*
- REU-EXCITE Student Research Symposium. College Station, TX. 6 Aug. 2013. Frady, H. R. Curtis, S. A. Hamer, G. L. Hamer. *Morphological and genetic characterization of Triatomine vectors of Chagas disease in Texas.*
- REU-EXCITE Student Research Symposium. College Station, TX. 6 Aug. 2013. Vang, L. M. R. Bertram, B. Hartup, S. A. Hamer, and G. L. Hamer. *Detecting vector-borne hemoparasites in the endangered whooping crane.*
- Meriel-NIH Veterinary Scholars Symposium, Michigan State University, East Lansing, MI, Aug 1-3, 2013. Trevor Tenney, Frida Cano, Jessica Rodriguez, Karen Snowden, Sarah Hamer. *Coinfections of Trypanosoma cruzi (agent of Chagas disease) and intestinal parasites in high-risk dogs at Texas shelters.*
- Meriel-NIH Veterinary Scholars Symposium, Michigan State University, East Lansing, MI, Aug 1-3, 2013. Katlin Johnson, Carolyn Hodo, Lisa Auckland, Karen Snowden, Sarah Hamer. *Development of quantitative, real-time PCR for detecting low-level Trypanosoma cruzi, agent of Chagas disease.*
- American Association of Veterinary Parasitologists, Chicago, IL, July 2013. Curtis, R. G. L. Hamer, E. J. Wozniak, K. F. Snowden, S. A. Hamer. *Trypanosoma cruzi genetic strain diversity in Texas wildlife and kissing bug vectors.* **Rachel awarded 1st place Bayer Best Student Paper Award**
- American Association of Veterinary Parasitologists, Chicago, IL, July 2013. Bertram M. R., G. L. Hamer, K. F. Snowden, C. Hodo, S. A. Hamer. *Detection and characterization of Eimeria sp in whooping cranes and sandhill cranes.*
- James Steele Conference on Diseases in Nature Transmissible to Man, Houston, TX, June 19-21, 2013. *Ecology of Ehrlichia muris: an emerging tick-borne pathogen?*
- James Steele Conference on Diseases in Nature Transmissible to Man, July 2013, Houston, TX
Jaime Rodriguez, Adrian Castellanos, Lisa D. Auckland, Jessica E. Light, and Sarah A. Hamer. *Wild rodents in the ecology of tick-borne pathogens in east-central Texas.*

- James Steele Conference on Diseases in Nature Transmissible to Man, July 2013, Houston, TX. Curtis, R., C. L. Hodo, G. L. Hamer, K. F. Snowden, E. J. Wozniak, S. A. Hamer. *A comprehensive approach to the characterization of the ecological drivers of Chagas disease in the US.*
- James Steele Conference on Diseases in Nature Transmissible to Man, July 2013, Houston, TX. Bertram M. R., G. L. Hamer, K. Snowden, S. A. Hamer. *Disease risks to whooping cranes determined by non-invasive sampling: detection and characterization of Eimeria spp. in feces.*
- James Steele Conference on Diseases in Nature Transmissible to Man, July 2013, Houston, TX. Weghorst, A., G. L. Hamer, S. A. Hamer, L. D. Auckland, P. D. Teel, O. F. Strey. *Evaluation of DNA and stable isotope-based methodologies to identify the vertebrate blood meal of ticks.*
- 2012** Conference for Research Workers in Animal Diseases, Dec. 2-4, 2012. Chicago, IL. Subbiah, K. J. Cummings, S. Hamer, J. Hill and T. S. Edrington. *Prevalence of pathogenic Shiga toxin producing Escherichia coli in dairy cattle and wildlife in Texas.*
- James Steele Conference on Diseases in Nature Transmissible to Man, San Antonio, TX June 20-21, 2012. *Wild birds and vector-borne zoonotic disease ecology*
- Ecology and Evolution of Infectious Diseases Conference, May 23-24, 2012, Ann Arbor, MI. Sarah A. Hamer, Tony L. Goldberg, Uriel D. Kitron, Jeffrey D. Brawn, Tavis K. Anderson, Scott R. Loss, Edward D. Walker, and Gabriel L. Hamer. *Do wild birds introduce and maintain ticks and tick-borne pathogens in the urban ecosystem?*
- 2011** Phi Zeta Research Day, MSU College of Veterinary Medicine, East Lansing, MI (co-author)
- 2010** National Wildlife Health Center, Madison, MI, presentation of internship research project
Disease Eco-Lunch Discussion Group, MSU
International Conference of Lyme borreliosis and other tick-borne disease, Ljubljana, Slovenia
Phi Zeta Research Day, MSU College of Veterinary Medicine, East Lansing, MI (co-author)
EDEN: Emerging Diseases in a Changing European Environment. Montpellier, France
- 2009** Phi Zeta Research Day, MSU College of Veterinary Medicine, East Lansing, MI (primary author on one presentation and co-author on 3 presentations)
- University Undergraduate Research and Arts Forum, East Lansing, MI (co-author)
- 2008** The Wildlife Society Conference, Miami, FL
Best student presentation award winner
XI International Conference of Lyme Borreliosis and other Tick-borne Pathogens. Irvine, CA
Phi Zeta Research Day, MSU College of Veterinary Medicine, East Lansing, MI
VI International Conference on Ticks and Tick-borne Pathogens. Buenos Aires, Argentina
National Veterinary Scholars Symposium. East Lansing, MI
Invasive Species Symposium, Michigan State University, East Lansing, MI
Michigan Epidemiology Conference, East Lansing, MI (co-author)
- 2007** Conference of Research Workers in Animal Disease, Chicago, IL (co-author)
Society for Vector Ecology, Springfield, IL (co-author)
Michigan Mosquito Control Association Annual Meeting, Traverse City, MI
Best student presentation award
- 2006** Phi Zeta Research Day at MSU College of Veterinary Medicine, East Lansing, MI. (co-author)
Invasive Species Symposium, Michigan State University, East Lansing, MI (co-author)
Entomological Society of America- North Central Branch, Bloomington, IL
Graduate Student Symposium, Michigan State University, East Lansing, MI
Best student poster award
- Conference for Veterinary and Medical Professionals on Lyme Disease in Michigan, Augusta, MI
- 2005** Ohio Mosquito Control Association, Toledo, OH
Joint meeting of the Inland Bird Banding Association and Michigan Field Ornithologists and Bird Banders, Hickory Corners, MI
Wildlife Society Conference, Madison, WI
Best student presentation award
Ticks and Tick-borne Pathogen V Conference, Neuchatel, Switzerland. (2 presentations)
Invasive Species Initiative Conference, MI, East Lansing, MI
Best student presentation award
Ecology and Evolution of Infectious Disease Conference, CO
Midwest Fish and Wildlife Conference, IN
Entomological Society of America Annual Meeting. UT (co-author)
- 2004** Michigan Field Ornithologists and Bird Banders Annual Meeting, MI
Phi Zeta Research Day, College of Vet Med, Michigan State University, East Lansing, MI (co-author)

- 36th Annual Society for Vector Ecology Conference, MA (co-author)
Emerging Zoonotic Diseases: Patterns and Processes Symposium, Microbial Pathogenesis Conference, IL
Michigan Mosquito Control Association, MI
2003 American Mosquito Control Association, Minneapolis, MN
Best student presentation award
The Wildlife Society IL, IA, WI Joint Chapter Meeting, IA
2002 Illinois Mosquito and Vector Control Association, IL

OTHER EVIDENCE OF SCHOLARLY RECOGNITION:

Editorial Boards

2019-2023: Journal of Medical Entomology- Subject Editor;
2023: Journal of Medical Entomology-Special Collection Editor 'Chagas in the US'

Review Work

Manuscript peer review

African Journal of Agricultural Research	Journal of Vector Ecology
American Journal of Veterinary Research	Journal of Veterinary Internal Medicine
American Journal of Tropical Medicine and Hygiene	Medical and Veterinary Entomology
Applied and Environmental Microbiology	Memorias de Instituto Oswaldo Cruz
Comparative Immunology, Microbiology & Inf. Diseases	Nature Scientific Reports
EcoHealth	Parasites
Ecology and Evolution	Parasites & Vectors
Emerging Infectious Diseases	Parasitology Research
Epidemiology and Infection	PLoS Neglected Tropical Diseases
Entomological News	PLoS ONE
Evolutionary Biology	PLoS Pathogens
Frontiers in Systems Biology	Preventive Veterinary Medicine
Infection, Genetics, and Evolution	Proceedings of the Royal Society B
Interdisciplinary Perspectives on Infectious Diseases	Science of the Total Environment
Journal of the American Veterinary Medical Association	Scientific Reports
Journal of Infectious Diseases	Southeastern Naturalist
Journal of Insect Science	Ticks and Tick-borne Diseases
Journal of Medical Entomology	The Bovine Practitioner
Journal of Medical Microbiology	Vector-borne and Zoonotic Diseases
Journal of Wildlife Diseases	Veterinary Parasitology
	Veterinary Parasitology: Regional Studies and Reports
	Veterinary Preventive Medicine
	Wilson Journal of Ornithology

Proposal and Other peer review

- Camille Goblet Foundation- ad hoc reviewer, March 2023.
- Center for Integrative Environmental Health Sciences, Pilot Grant Program reviewer, November 2022.
- European Science Foundation – Science Connect- AXA Research Fund Fellowship, August 2022.
Review of application under the call: "Health impacts of climate change"
- Texas Academy of Sciences, student awards 2022
- External reviewer for FAO document: 'Recommendations for the Epidemiological Investigation of SARS-CoV-2 in Exposed Animals', Rome, Italy, 2021
- ORAU Ralph E Powe Junior Faculty Enhancement Awards – March 2021
- Planet Texas 2050 Flagship project proposals, University of Texas, February 2021
- DOD- Congressionally Directed Medical Research Programs (CDMRP)
 - FY19 Tick-Borne Disease Research Program (TBDRP) Panel Review, Reston VA, October 2019

- FY21 Tick-Borne Disease Research Program (TBDRP) Ad Hoc Reviewer, October 2021
- NIH Vector Biology Study Section Grant Review (Early Career Reviewer), San Francisco, 2019
- American Kennel Club Canine Health Foundation, 2018, 2023
- DOD- Peer Review Medical Research Program (PRMRP) Congressionally Directed Medical Research Programs (CDMRP), Infectious Disease Panel, 2018
- Reviewer for CDC Special Emphasis Panel, 2016
- Ad hoc peer reviewer for NSF Career proposal, 2014, 2015
- NSF Graduate Research Training Program (GRFP) 2015-2016
- USDA Formula Animal Health Fund, 2016
- NSF CAREER proposal, ad hoc reviewer- October 2014

VII. TEACHING ACTIVITIES

Texas A&M University

Instructor of Record

VTPB 485: Avian Behavioral Training (Schubot aviary), 2-3 credits, spring/fall of 2019-present
 VIBS 633: Comparative Medicine and Animal Diseases, 3 credit hours, summer 2021, 2022, 2023 (one of 4 co-instructors; course re-vamped for new DVM/MS Veterinary Public Health Epidemiology dual program)
 VIBS 685: Field Experience in One Health and Outbreak Investigation, 3-week summer course, collaboration between TAMU, UTMB, and UTRGV (co-coordinator), 3 credits, summer 2018, 2019, 2020 (online due to COVID19), 2021 (hybrid), 2022 (hybrid)
 EEEL 603: Community Ecology, 1 credit hour, Fall 2017, 2018, 2019, 2020, 2021
 VIBS 615: Food Hygiene, online and team-taught (Budke, Hamer, Norman), 4 credits, Summer 2017.
 ENTO/VIBS 426/626 (formerly 489/689): Methods in Vector-borne Disease Ecology, 3 credits, Spring 2015, 2017, 2019, 2023
 VIBS 413: Introductory Epidemiology, 3 credit hours, Spring 2013, 2014, 2016, 2018, 2020, 2021, 2024
 VIBS 607: Applied Epidemiology, 4 credit hours (stacked with VIBS 413), Spring 2018, 2020, 2021, 2024
 VIBS 681: Epidemiology Seminar, 1 credit hour.
 Spring 2014. Topic: Impact of climate change on vector-borne disease epidemiology
 Spring 2016. Topic: Border Health- Zoonotic & vector-borne disease along the US-Mexico border
 Spring 2019: Topic: Animal sentinels of zoonotic diseases
 Spring 2021: Topic: Animal-targeted interventions in the wild to reduce pathogen spillover risk to Humans
 Fall 2023: Topic: Reverse Zoonoses
 EEEL 610: First Year Seminar in Ecology and Evolutionary Biology, 1 credit hour, Fall 2015
 VTPB 685: Directed Studies- Animal Behavior- positive reinforcement training of birds, 3 credits, Fall/Spring 2019-present

Guest Lectures and Labs

BIMS 289 Tropical Infectious Diseases at the TAMU Higher Education Center in McAllen, TX. September 2023. Topic- Chagas disease. Professor: Negin Mirhosseini
 VIBS 650: Graduate Education, August 2023. Panel of faculty mentors for non thesis MS training programs. Professor: Monique Rijnkels
 LCS 610w: Wildlife Disease veterinary clerkship at Michigan State University, August 2021, 2023. Professor: Jean Tsao
 Molecular Biomedicine course for undergraduates, Universidad del Valle de Guatemala, July 2022. Topic: SARS-CoV-2 in animals. Professor: Patrizia Lupo
 ANTH 601 Biological Anthropology. Fall 2021. Topic- Human Parasite Interactions. Professor: Monya Anderson.
 VTPB 411. One Health and Tropical Ecology (in Costa Rica), Fall 2021, 2022, 2023. Topic- Vector-borne

Diseases. Professor: Dr. Don Brightsmith
 Ecology of Infectious Diseases, Dept. Biology, Colorado State University. Spring 2021.
 Professor: Dr. Dan Salkeld
 VIBS 948: 3VM Public Health Selective. Topic: vector and vertebrate sampling/ field ecology, Spring 2020, 2022, 2023. Professor: Dr. Christine Budke
 VSCS 934: Professional and Clinical Skills/Critical Thinking in Veterinary Medicine, Fall 2019, 2020, 2021
 Professor: Drs. Kristen Cheney, Beth Scallan
 PHEB 619: Infectious Disease Epidemiology, Spring 2019. Fall 2020
 Professor: Dr. Rebecca Fischer
 VTPP 948: Research and Discovery in Veterinary Medicine (2VM Elective), Fall 2018-2023.
 Topic: Career trajectory, Professor: Dr. Virginia Fajt
 ENTO 689: Professional Grant & Contract Writing, Fall 2016
 Topic: Approaches to grant seeking and writing. Professor: Dr. Juliana Rangel
 MEID 611: Humanities, Ethics Altruism and Leadership: Selective in One Health for First Year Medical Students, Spring 2016. Topic: Chagas disease
 VTPB 421: Diseases of Humans and Domestic Animals, Fall 2015
 Topic: Chagas disease. Professor: Dr. Tom Ficht
 Biotechnology Advanced Seminar Series, Universidad Autonoma del Estado de Mexico, Fall 2015
 Topic: Chagas disease (via webinar). Professor: Dr. Jose Guillermo Estrada Franco
 VPAR 604: Protozoology, Spring 2015
 Topic: *Trypanosoma cruzi*
 TAMU One Health Experience in Nicaragua, Summer 2014
 Topic: Provided pre-trip lecture on kissing bugs and Chagas disease
 HPCH 620: Introduction to Border Health, Fall 2014
 Topic: Chagas disease. Professor: Dr. Ann Millard
 BIMS 289: One Health in Action, Fall 2014, Spring 2015, Fall 2015
 Topic: Vector-borne disease. Professor: Dr. Michael Golding
 BIOL 214: Genes, Ecology and Evolution, Fall 2013
 Topic: Eco-epidemiology. Professor: Dr. Charles Criscione
 VIBS 948: Using your DVM in Clinical Research (for third year DVM students), Fall 2013
 Topic: Career paths in epidemiology
 VIBS 926: Intro to Public Health Concepts (for first year DVM students), Spring 2013, 2014, 2015
 Topic: Eco-epidemiology. Professor: Dr. Christine Budke
 VIBS 930: Public Health III (for second year DVM students), Springs 2013-2018
 Topics: Eco-epidemiology, Border Health, Digital Epidemiology. Professor: Dr. Christine Budke
 VTPB/WFSC 301: Wildlife Diseases, Fall 2012, 2013
 Topic: West Nile virus and other emerging vector-borne viruses. Professor: Dr. Don Davis
 WFSC 401: General Mammalogy, Fall 2012, Spring 2013, Fall 2013
 Topic: Teach bi-monthly hands-on field labs in rodent trapping and disease ecology. Professor: Dr. Jessica Light
 BESC 210: Introduction to Bioenvironmental Science, Fall 2012
 Topic: Vector-borne disease ecology and epidemiology. Professor: Dr. Paul Figueiredo
 VSCS 948-302: Applied Conservation Medicine, Spring 2012, 2013, 2014, 2016, 2017
 Topic: Ecological drivers of vector-borne disease; Whooping crane conservation. Professors: Drs. J. Heatley, D. Brightsmith
 VIBS 681-611: Food-borne Pathogen Epidemiology Seminar, Spring 2012
 Topic: *Toxoplasma gondii*, Professor: Dr. Kevin Cummings
 VIBS 608: Epidemiology Methods I, Spring 2012, 2013, 2014, 2015; Fall 2020
 Topic: Cross-sectional studies. Professor: Dr. Renata Ivanek; Dr. Keri Norman

Michigan State University

Instructor of Record

FW 238: Introductory Fisheries and Wildlife Field Experience, 2008

Teaching Assistant

ZOL 490: Study Abroad: From Apes to Aves: Forest Biodiversity in Uganda, 2008

LCS 610w: Wildlife Disease Ecology and Management, 2005-2008

PRO 101: Freshman Seminars on Wildlife Disease, 2003

Guest Lectures and Labs

FW 238: Introductory Fisheries and Wildlife Field Experience, 2009
 Topic: Field techniques in mist-netting, bird-banding, mammal trapping, and chemical immobilization of wildlife. Professor: Dr. Dan Hayes

FW/MC 481L Global issues in Fisheries and Wildlife Resources, 2007-2010
 Topic: Globalization and disease. Professor: Dr. William Taylor

FW 419: Geographic Information Systems, 2006-2008
 Topic: Wildlife Disease Spatial Risk Models. Professor: Dr. K. Millenbah

ZOL 365: Biology of Mammals, MSU- Kellogg Biological Station, 2006, 2008
 Topic: Small mammal trapping. Instructor: Lisa Korte

ZOL 491: Current Topics in Conservation Biology, Kellogg Biological Station, 2005, 2008
 Topics: Conservation medicine and wildlife disease. Wildlife anesthesia and raccoon processing demonstration. Professors: Drs. K. Gross and D. Schemske

ZOL 360: Biology of Birds, 2004-2009
 Topic: Avian field research methodology and standard surveys. Professor: Dr. P. Rasmussen.

University of Illinois
Teaching Assistant

NRES 104: Introduction to Environmental Science, 2001-2002
 NRES 101: Introduction to Soil Science, 2002

Teaching Grants/Novel Teaching Tools:

- M Dacso, D Bente, S Mclellan, C Coates, S Hamer, C Vitek, "Preparing the Next Generation for an Age of Pandemics: Developing a Virtual Interprofessional Course in One Health and Outbreak Investigation," National Center for Interprofessional Practice and Education NEXUS Summit, September-October 2021.
- 2016- Interactive Chagas disease teaching module published by the American Association of Veterinary Medical Colleges/Association for Prevention Teaching and Research (AAVMC/APTR) One Health Interprofessional Education Working Group: <http://www.aavmc.org/one-health/case-studies.aspx>
- Montague-Center for Teaching Excellence \$6500 grant for course enhancement, 2014-2015
- Student Enhancement Funds, Veterinary Integrative Bioscience TAMU:
 - Awarded \$9268 for field/lab experiments and invited speakers in Methods class, Spring 2023.
 - Awarded \$13000 for field/lab experiments and invited speakers in Methods class, Spring 2019.
 - Awarded \$6000 for field/lab experiences in VIBS 413 and VIBS 607, Spring 2018.
 - Awarded \$13000 for field/lab experiments and invited speakers in Methods class, Spring 2017.
 - Awarded \$1400 for bringing in invited speakers for new border health class. Spring 2016.
 - Awarded \$4400 for supplies to support field and lab based epidemiology, Spring 2016.
 - Awarded \$9590 for field supplies in support of new vector-borne disease class. Spring 2015.
 - Awarded \$1244 for a projector. Summer 2013.

Trainee Mentoring:

Postdoctoral Associates/Research Scientists

Name	Years in my lab	Current position
Jillian Wormington MS PhD (Postdoctoral Associate)	2017-2019	Asst. Professor of Biology, Wayne State University, NE
Rachel Curtis-Robles PhD (Assistant Research Scientist)	2017-present (part time)	Vector Control Biologist, San Mateo Co., CA
Carolyn Hodo DVM PhD DACVP (Postdoctoral Associate)	2017-2019	Asst. Professor of Pathology, MD Anderson, University of Texas
Sujata Balasubramanian MS PhD (Associate Research Scientist)	2017-present	
Italo Zecca MPH PhD (Postdoctoral Associate)	2019-2021	CDC ORISE Fellow
Alyssa Meyers PhD (Postdoctoral Associate)	2019-2021	Public health data manager, University of Michigan

Alex Pauvolid-Correa DVM PhD (Assistant Research Scientist)	2020-2022	Professor of Veterinary Virology at Universidade Federal de Vicosa
Caitlin Mencia PhD (Assistant Research Scientist-Schubot Center)	2021-present	
Gaby Vigo Trauco (Postdoctoral Associate-Schubot Center)	2021-present (part time)	
Julia Gonzalez Gonzalez (Asst. Research Scientist)	2023-present	

Dissertation and Thesis Programs, Chair

Name	Degree	Program	My role	Years in program, current position
Miranda Bertram DVM	PhD	Biomedical Sciences (BIMS) -Epidemiology	Chair	2012-2016. Biosafety Officer, Tufts Univ.
Rachel Curtis-Robles	PhD	BIMS -Epidemiology	Chair	2012-2016. Vector Biologist, San Mateo Co., CA.
Jaime Rodriguez	MS	Wildlife & Fisheries Sciences (WFSC)	Co-Chair (chair Dr. Jessica Light)	2012-2014. Medical student, UT-Southwest
Carolyn Hodo DVM DACVP	PhD	Vet Pathobiology (VTPB)	Chair (co-chair Dr. Jane Welsh)	2014-2017. Asst. Professor, MD Anderson/U Texas
Alyssa Meyers	PhD	BIMS -Epidemiology	Chair	2015-2019. Data Analyst for Veterans Affairs
Italo Zecca MPH	PhD	BIMS -Epidemiology	Chair	2015-2019. CDC EIS Fellow.
Mary Grigar	PhD	BIMS -Epidemiology	Co-Chair with Kevin Cummings	2015-2018
Justin Bejcek	MS	Veterinary Public Health Epidemiology (VPHE)	Chair	2016-2018, currend DO (medical) student
Spencer DeBrock	MS	VPHE	Chair	2018-2020
Rachel Busselman	PhD/DVM	Ecology & Evolutionary Biology (EEB); DVM	Chair	2018-2023. current DVM student.
Edward Davila MPH	PhD	BIMS- Infection, Immunity & Epidemiology	Chair	2018-2023. Epidemiologist at Brazos Co. Health Dept.
Carlos Rodriguez	MS	VPHE	Chair	2019-2023. Informatics and Epidemiology Manager, TX Vet Med Diagnostic Lab
Keswick Killets	MS	VPHE	Chair	2019-2021. Research associate, Hamer lab.
Jordan Salomon MS	PhD	EEB	Chair	2019-present
Juan Pablo Fimbres Macias BVsc.	PhD	BIMS- Infection, Immunity & Epidemiology	Chair	2019-present
Meredith Anderson DVM	PhD	EEB	Chair	2020-present
Amanda Beckman	PhD	EEB	Co-Chair (with Gil Rosenthal)	2021-2023.Scientist with Schubot Center for Avian Health
Ilana Mosley	PhD	BIMS- Infection, Immunity & Epidemiology	Chair	2021-present
Cassandra Durden	MS	VPHE	Chair	2021-2023. Public Health Entomology for All Fellow (CDC/ESA), Fort Collins, CO 2023-2025.

Mycha Van Allen	PhD	BIMS- Infection, Immunity & Epidemiology	Chair	2023-present
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Dissertation and Thesis Programs, Committee Member

Name	Degree	Program	My role	Years in program, current position
Alicia Leahy	MD/PhD	Health Science Center	Committee member	2012-2019
Emily Boothe	MS	Entomology	Committee	2013-2015. Research Associate at LSU
Aleyda Galan	MS	WFSC	Committee	2014-2016. Lab technician, Baylor.
Kimberly McCormack DVM	MS	VTPB	Committee	2014-2016
Whitney Preisser	PhD	WFSC	Committee	2013-2019. Postdoc, C. Wood lab
Hee Kim	PhD	Entomology	Committee	2014-17. Army Medical Entomologist, Hawaii.
Michael Sanders	MS	Entomology	Committee	2014-2015. PhD student at Mississippi State
Camille Goblet	MS	BIMS	Committee	2016-2017
Leigh Ellyn Preston	DrPH	School of Public Health	Committee	2017-2019, CDC.
Tyler Pohlenz	PhD	Entomology	Committee	2017-2023
Whitney Kiehl	MS	Lab Animal Medicine	Committee	2018-2020. Lab animal vet, industry.
Wendy Pace	PhD	Environmental Science, Univ. North Texas	Committee	2016-present
Viridiana Martinez	PhD	WFSC	Committee	2018-present
Amanda Beckman	PhD	EEB	Committee	2018-2023 (co-chair '21-'23)
Jose 'Willy' Juarez	PhD	Entomology	Committee	2018-2021
Mark Olson	PhD	Entomology	Committee	2018-2020. Medical entomologist, Air Force
Dayvion Adams	MS	Entomology	Committee	2018-2020. PhD student NC State.
Jason Tidwell	PhD	Entomology	Committee	2019-present
Taylor Reams	PhD	Entomology	Committee	2019-2023.
Melanie Florkowski	PhD	EEB	Committee	2019-2023. Postdoc NIH.
Hannah Justen	PhD	EEB- Exam Committee	Committee	2020
Ryan Weesner	PhD	EEB	Committee	2020-present
Michael McCloy	PhD	EEB- Exam Committee	Committee	2020
Kelley Sampeck	MS	VTPB	Committee	2020-present
Nicole Scavo	PhD	EEB	Committee	2021-present
McKaela Hodge	PhD	BIMS- Biomedical Genomics & Bioinformatics	Committee	2021-2022
Logan Thomas	PhD	BIMS	Committee	2021-2023. Postdoc TAMU
Lauren Cybulska	PhD	Environmental & Planetary Health Sciences CUNY Graduate School of Public Health & Health Policy	Committee-external member	2022-present
Elizabeth Harshaw	MS	Geography	Committee	2021-2022
Randall Keith Andringa	PhD	EEB	Committee	2022-present

Edam Fiatsonu	PhD	BIMS- Infection, Immunity & Epidemiology	Committee	2022-present
Aurora Gaona Hernandez	PhD	Marine Biology, TAMU-Galveston	Committee	2023-present
Maureen Kelly	PhD	BIMS- Infection, Immunity & Epidemiology	Committee	2023-present

Non-Thesis Programs (Chair or Committee member)

Name	Degree	Program	My role	Years in program, current position
Lowell Pigott	MS	VPHE	Chair	2012-2014. Vet student, Western Univ
Katlyn Rosenbaum	MS	VPHE	Chair	2013-2015. Vet student, TAMU
Lauren Schwerdfeger	MS	VPHE	Chair	2013-2016, Vet student, TAMU
Chelsea Young	MS	VPHE	Chair	2014-2016. Vet student, Midwestern Univ
Kyle Bausch	MS	VPHE	Committee	2013-2014
Ke Huang	MS	VPHE	Committee	2013-2015
Sandra Michael	MS	BIMS	Committee	2013-2014
Melissa Hammett	MS	BIMS	Committee	2014-2015
Sara Carney	MS	Science & Tech Journalism	Committee	2013-2014
Jennifer Willsey	MS	VPHE	Co-Chair	2015-2016. Laboratory scientist, MagBiosense
Erin Edwards DVM DACVP	MS	BIMS	Committee	2015-2016. Pathologist, TVMDL.
Micah Bingaman	MS	VPHE	Committee	2015-2016
Andres Ramos	MS	BIMS	Committee	2017-2018
Bailee Ethridge	MS	VPHE	Chair	2017-2018, epi asst. Houston
Michelle Dembrosky	MS	VPHE	Chair	2018-2019
Cyrena Peterson	MS	VPHE	Chair	2018-2019, medical school
Lauren Humphries	MS	BIMS	Committee	2018-2019
Daniel Obregon	MS	VPHE	Chair	2021-2022
Kaitlin Thompson		VPHE/DVM dual degree	Committee	2021-present
Molly Guyette	MS	VPHE/DVM dual degree	Chair	2021-present
Lauren Cole	MS	VPHE	Chair	2022-present
Luis Quintanilla	MS	VPHE	Chair	2022-present
Brian Okosun	MS	VPHE	Chair	2023-present
Katalina Duran	MS	VPHE	Chair	2023-present
Yesinia Fuentes	MS	VPHE	Chair	2023-present
Brailee Whetstone	MS	VPHE	Chair	2023-present

Master of Public Health Student Mentor (Practicum mentor)

Alan Mai	MPH Epidemiology and Biostatistics	Bloodmeal analysis of <i>Triatoma</i> species in Texas	2014-2015
Italo Zecca	MPH Border Health	Human and canine exposure to <i>Trypanosoma cruzi</i> in colonias along the US-Mexico border	2015
Valery Roman-Cruz	MPH Environmental Health	Chagas disease in the colonias along the US-Mexico border	2015-2017

Bhagath Chirra	MPH Epidemiology and Biostatistics	Bloodmeal analysis of <i>Triatoma</i> species in Texas using next generation sequencing	2015-2016
Usman Ghumman MD	MPH Epidemiology and Biostatistics	Analysis of medical records of US Border Patrol dogs	2016-2017

DVM Student Mentor

Jennifer Sidge	3VM, externship	Visiting student from Michigan State University; completed 1.5 week wildlife disease ecology field experience at TAMU	2012
Nine students	1VM	Faculty mentor, hosted monthly meetings	2012
Katlin Johnson	3VM, VMSRTP (Vet Med Summer Research Training Program)	Development of quantitative, real-time PCR for detecting low-level <i>Trypanosoma cruzi</i> , agent of Chagas disease	2013
Trevor Tenney	2VM, VMSRTP	Prevalence of parasites, vector-borne pathogens, and coinfections among dogs in Texas canine shelters	2013
Juliette Comeaux	2VM, summer research volunteer	Strain typing of <i>Trypanosoma cruzi</i> in feral hogs and predators	2014
Dahlia Grimes	3VM, externship	Visiting student from St. Matthews University; completed 1.5 week experience with Epidemiology faculty	2013
Laura Moore	3VM, externship	Visiting student from St. Matthews University; completed 1.5 week experience with Epidemiology faculty	2013
Jessica Noll	Vet student	Brazilian Scientific Mobility Program	2015
Nicole Bertolini	1VM, VMSRTP	Non-human primate reservoirs of <i>Trypanosoma cruzi</i>	2015
Chloe Goodwin	1VM, VMSRTP	Wild bat reservoirs of <i>Trypanosoma cruzi</i>	2015
Elise Birkner	1VM, VMSRTP	Chagas disease ecology at non-human primate facilities	2016
Rosa Banuelos	2VM, VMSRTP	<i>Trypanosoma cruzi</i> prevalence and cardiac pathology in wild naturally infected coyotes (<i>Canis latrans</i>)	2016
Julia Purnell	1VM, VMSRTP	Cardiac arrhythmias associated with canine Chagas disease	2017
Sarah Slack	1VM, VMSRTP	Opossums (<i>Didelphis virginiana</i>) in the ecology of Chagas disease	2017
Megan Ellis	1VM, VMSRTP-visiting student from Colorado State University	Epidemiology of <i>Trypanosoma cruzi</i> infection in government working dogs across the southern US	2017
Andres Ramos	1VM, VMSRTP	Cardiac outcomes in Chagas positive and negative dogs	2018
Skye Sneed	1VM, VMSRTP	Blood parasites of Sandhill Cranes	2018
Becky Dowd	1VM, VMSRTP	Echocardiograms and fitness testing of Chagas positive dogs	2019
Stephen Levert	2VM, alternative track mentor	Mentor in training and career opportunities for the duration of DVM program	2020-2022
Ty Tortella	2VM, VMSRTP	Comparative diagnostics for avian bornaviruses	2021
Olivia Ashbaugh	2VM, VMSRTP	Chagas disease in kennel environments	2023
Alyssa Hartmann	2VM, VMSRTP	Avian Bornavirus (co-mentor with Caitlin Mencia)	2023

Undergraduate Student Mentor

Frida Cano	Entomology	Work study student; Research Credit (ENTO 485)	2012-14
Adrian Castellanos	Wildlife and Fisheries Sciences	Awarded funding from TAMU Integrated Undergraduate Research Experiences in Biological and Mathematical Sciences	2012-13
Katelyn Wagner	Zoology/Wildlife and Fisheries, Michigan State Univ	Awarded \$6000 Hensley Endowed Scholarship to study mammal-tick-ant interactions	2013
Matthew Olcha	Biomedical Science	Research Credit (VIBS 485)	2013
Tyler Smith	Forensics	Internship (FIVS 484)	2013
Erica Holcomb	Biomedical Science	Research Credit (VIBS 485); hourly worker	2013-14

Nytish Shah	Genetics	Research Credit (GENE 485); hourly worker	2013-14
Conner Grantham	Biomedical Science	Volunteer	2014-2015
Lauren Russell	Biomedical Science	Research Credit (GENE 485)	2014
Faith Weeks	Biomedical Science	Research Credit (VIBS 291)	2014
Ryan Pugh	Business	Hourly worker	2014
Sarah Noe	Entomology	Hourly worker	2014
Angela Atkins	Biomedical Science	Volunteer, hourly worker	2014
Zeb Thomas	Entomology	Research Credit (ENTO 485)	2014
Adam Curtis	Engineering	Volunteer, hourly worker	2014-2016
Amani Bourji	Anthropology, minor in Biomedical Science	Volunteer, Hourly worker, Research Credit (BIMS 485)	2015-2016
Keswick Killets	Biomedical Science	Research Credit (VIBS 485)	2017-2018
Jose Silva	Biomedical Science	Research Credit (VIBS 485)	2017
Cassidy Gillum	Biomedical Science	University Research Scholar (URS)- thesis- Community science submissions of triatomines	2017-2019
Roukaya Mabizari	Biomedical Science	Hourly worker	2017-2018
Hannah Meyers	Chemistry, Kalamazoo College	Senior Individualized Project- wrote thesis on vector-borne pathogens in working dogs	2018 summer
Ashley Cubb	Biomedical Science	Research Credit (VIBS 485)	2018-2019
Nidhi Patel	Biomedical Science	Research Credit (VIBS 485)	2018
Allyson Koger	Entomology	Research Credit (VIBS 485)	2018-20
Kaitlyn Perez	Biomedical Sciences	University Research Scholar (URS)- thesis- Longevity of <i>T. cruzi</i> survival in dead insects	2019-
Kristin Munsch	Wildlife and Fisheries Sciences	Research Credit (VTPB 485) – Schubot aviary	2019-2020
Clair Campbell	Wildlife and Fisheries Sciences	Research Credit (VTPB 485) – Schubot aviary	2020
Diego Torrez	Biomedical Sciences	Hourly worker	2020-
Lauren Cole	Biomedical Sciences	Research Credit (VIBS 485)	2021-
Cassandra Durdan	Biomedical Sciences	Research Credit (VIBS 485)	2021
Addison Branning	Zoology	Research Credit (VTPB 485) – Schubot aviary	Summer 2021
Grant Arrington	Biomedical Sciences	Research Credit (VIBS 485)	2021-2023
Fiorella Plascencia	Animal Science	Research Credit (VTPB 485) – Schubot aviary	2021-2022
Natalia Martinez	Animal Science	Research Credit (VTPB 485) – Schubot aviary	2021
Kelsey Williams	Biomedical Sciences	Research Credit (VTPB 485) – Schubot aviary	2021
Michael Lira	Biomedical Sciences	Research Credit (VTPB 485) – Schubot aviary	2022
Audrey Roberts	Biomedical Sciences	Research Credit (VTPB 485) – Schubot aviary	2022
Freya Manuel	Biomedical Sciences	Research Credit (VTPB 485) – Schubot aviary	2022
Anissa Brooks	Biomedical Sciences	Research Credit (VTPB 485) – Schubot aviary	2022
Javier Garcia Saldana	Biomedical Sciences	Research Credit (VTPB 485) – Schubot aviary	2022
Emily Fernandez	Wildlife and Fisheries Sciences	Research Credit (VTPB 485) – Schubot aviary	2023
Paulina Isabel McAllister	Oceanography	Hourly worker	2023-present
Kimea Samiee	Biomedical Sciences	Research Credit VIBS 485	2023

Haydee Montemayor	University Studies-Biomedical Sciences	Hourly worker	2022-present
Andrea Moller	Universidad del Valle de Guatemala	Biotechnology Major. Undergraduate thesis committee member. 'Deteccion y caracterizacion de Trypanosoma cruzi en Triatoma dimidiata: Estudio de la presencia de la enfermedad de Chagas y analisis de la diversidad genetica'	2022-2023

Awards to trainees while under my mentorship:

Carolyn Hodo, DVM, PhD, DACVP

- College of Veterinary Medicine Postdoctoral Research Grant, 2013 (\$10,000)
- NIH T32 Comparative Biomedical Research Training Grant, 2014-2017
- College of Veterinary Medicine Advanced Training Grant 2013, 2015
- College of Veterinary Medicine Graduate Student Research Grant, 2015 (\$5,000)
- College of Veterinary Medicine Outstanding PhD Student Award, 2017
- Wildlife Disease Association Graduate Student Scholarship 2017 (\$2000)
- Young Investigator Award, American Committee of Medical Entomology (ACME) of the American Society of Tropical Medicine and Hygiene, 2017
- American Association of Zoo Veterinarians Linda Munson Award, second prize, best pathology paper, 2020

Miranda Bertram, DVM, PhD

- College of Veterinary Medicine and Biomedical Sciences Merit Fellowship, 2012-2016
- Lechner Scholarship, 2012-2013
- Honorable Mention, Student Presentation Award, American Association Veterinary Parasitologists 2014
- Third Place Graduate Student Platform Presentation, CVM Graduate Student and Postdoctoral Research Symposium 2015
- 2015 CVM Outstanding Graduate Student Scholarship for \$1,500
- 2015 Mewaldt-King Graduate Student Award from Cooper Ornithological Society

Rachel Curtis-Robles, PhD

- NSF Graduate Research Fellow, 2013-2016 (\$135,000)
- College of Veterinary Medicine and Biomedical Sciences Merit Fellowship, 2012-2016
- Lechner Scholarship, 2012-2013
- First Place Student Presentation Award, American Association of Veterinary Parasitologists 2013, 2014
- College of Veterinary Medicine Advanced Training Grant 2013
- College of Veterinary Medicine International Training Grant 2013
- College of Veterinary Medicine Graduate Research Grant (\$5000), 2014, 2015
- 1st place student poster, American Association of Veterinary Medical Colleges, 2014
- 2nd place Graduate Student Platform Presentation, CVM Graduate Research Symposium, 2014
- CVM Outstanding Graduate Student Research Award 2015
- Gus Foyle Scholarship from TX Mosquito Control Association 2015
- Merck- American Association of Veterinary Parasitologists Outstanding Grad Student 2016
- TAMU Association of Former Students Distinguished Graduate Student Award 2017
- Outstanding Postdoctoral Research Award, TAMU CVM 2020

Alyssa Meyers, PhD

- Lechner Scholarship 2015-2016
- NSF Graduate Research Fellow, 2015-2018 (\$138,000)
- NSF GROW Fellowship recipient for international research, 2017
- Second place 'Three minute Thesis', 2018
- CVM Graduate Research Grant 2018 (\$5000)
- Ethyl Ashworth-Tsutsui Award for Mentoring, 2020 (\$500)
- TAMU Association of Former Students Distinguished Graduate Student Award 2020

Italo Zecca MPH, PhD

- Lechner Scholarship 2015-2016
- College of Veterinary Medicine and Biomedical Sciences Diversity Fellowship, 2016-2019
- 2nd place in Flash Talk at 2018 Graduate Research Symposium
- CVM Graduate Research Grant 2018 (\$5000)

-CDC Epidemic Intelligence Service (EIS) Fellow, 2023-2025

Rachel Busselman

- NSF Graduate Research Fellowship Honorable Mention 2019
- TAMU IDP Merit Fellowship, 4-years
- Ecology & Evolutionary Biology Research Grant (\$1500)
- Kappa Kappa Gamma Foundation Graduate Scholarship, 2020-21
- Nebraska Vet Medical Association student scholarship, 2023 (\$500)
- VMBS Outstanding Doctoral Student award, 2023
- PEO Scholar (Philanthropic Educational Organization), 2023 (\$20,000)

Ed Davila MPH

- TAMU CVM Diversity Fellowship, 4-years

Spencer DeBrock, MS

- TAMU CVM Merit Fellowship, 4-years
- Schubot Center for Avian Health Research mini-grant, 2019 (\$2,500)
- Second Place Platform Presentation, 2020 CVM Trainee Research Symposium, Texas A&M University
- CVM Grad Student Research Grant, 2020 (\$5,000)
- American Ornithological Society Werner and Hildegard Hesse Research Award (\$2,500)

Jillian Wormington, MS, PhD

- CVM Outstanding Postdoctoral Research Award 2019
- CVM Postdoctoral Trainee Research Grant (\$10,000) 2019
- People's Choice poster award, CVM Grad/Postdoc Research Symposium 2019 (\$500)

Becky Dowd

- Outstanding Basic or Translational Research Presentation Award, Vet Med Summer Research Training Program (VMSRTP)

Jordan Salomon

- NSF Graduate Research Fellowship Honorable Mention 2019
- TAMU Diversity Fellowship, 4-years
- Sigma Xi Grant in Aid of Research (\$1000), Summer 2021
- Graduate & Professional School Dissertation Fellowship, Jan-Dec 2024.

Juan Pablo Fimbres Macias

- TAMU CVM Diversity Fellowship, 4-years

Keswick Killets

- Outstanding Masters Student Research Award, TAMU CVM 2021

Meredith Anderson DVM

- TAMU IDP Merit Fellowship, 4-years
- Schubot Center for Avian Health Research mini-grant, 2021 (\$2,500)
- American Ornithological Society Covid19 Research Award (\$1,000)

Ilana Mosley

- NIH T32 Initiative for Maximizing Student Development (IMSD) Fellowship, 2021 (full funding for first year of PhD program)
- Aviles-Johnson Fellowship, 2022-2026
- 2022 TAMU Student Research Week First Place PhD student Oral Presentation- Life Sciences
- Graduate Recruitment, Enhancement, and Travel (GREAT) supplemental funding 2022-2023 (\$8,500)
- Black and Indigenous Scholar Award, American Society for Mammalogy, 2023 (\$750)

Amanda Beckman

- OGAPS Dissertation Fellowship, 2022-2023 (tuition, fees, stipend)
- U.S. Senator Phil Gramm Doctoral Fellowship Award, 2022-2023 (\$5,000)

Cassandra Durden

- Sigma Xi Grant in Aid of Research (\$1000), Spring 2023
- Public Health Entomology for All Fellow (CDC/ESA), Fort Collins, CO 2023-2025.

Olivia Ashbaugh

- Outstanding Presentation Award, Veterinar Medical Scientist Research Training Program, Summer 2023

Mycha Van Allen MS

- VMBS Merit Fellow 2023-2027

VIII. SERVICE ACTIVITIES:

- EEB 'Darwin Day' Faculty co-sponsor, Spring 2023
- Expert Elicitation working group member, Disease Ecology/Virology of Deer and SARS-CoV-2, Fall 2022
- Promotion and Tenure Committee, VIBS Department, 2022-present
- External mentor for Dr. Jamie Benn, University of Florida Preparing Future Faculty program, 2022
- The Wildlife Society, Wildlife Disease Working Group- Career Panelist, November 2021
- Panelist for Town Hall Meeting of Epidemiology Specialty of American College of Veterinary Preventive Medicine, October 2021
- ADVANCE program external faculty mentor to Asst Professor Dr. Maria del Pilar Fernandez (Allen School for Global Animal Health at Washington State University), 2021-2022
- 2021 National Veterinary Summer Scholars Symposium Moderator, August 6, 2021
- Judge for Veterinary Medical Student Research Training Program presentations, July 30, 2021
- Research panelist for Ladies Legislative Day, organized by Chancellor's office, April 13, 2021
- Judge for CVMBS Graduate Student Association Travel Grant Awards, Spring 2021
- College Committee member on Administrative Leave with Pay Policy, Fall 2020
- Faculty Facilitator, Student One Health Association, Outbreak Simulation, Feb 2020
- CVM Strategic Planning Committee (2019-2020), Appreciative Inquiry Approach
- Ecology & Evolutionary Behavior (EEB) Interdisciplinary Program: Graduate Recruitment and Admissions Committee (GRAC) member, 2019-present
- Faculty Mentor to Dr. Gui Verocai (VTPB- Parasitology) (2019-present)
- External Letter Writer for Tenure/Promotion Dossier
 - Department of Pathology, Microbiology & Immunology, University of California, Davis, 2023
 - Virginia Tech, Department of Fish and Wildlife Conservation, 2023
 - University of Rhode Island Dept. of Biology 2022
 - The Ohio State University Department of Veterinary Preventive Medicine 2020
 - The Cary Institute for Ecosystem Sciences 2020
 - San Francisco State University Dept. of Biology 2019
- Search Committee Member
 - Epidemiology, Dept. Veterinary Integrative Biosciences, 2023
 - Clinician Scientist, Dept. Small Animal Clinical Sciences, 2022-2023
 - Clin Asst. Prof and Lecturer (two positions), Zoological and Exotic Animal Medicine, Dept. Small Animal Clinical Sciences, 2020- postponed from COVID
 - Open rank Infectious Disease faculty (3 positions), Dept. Veterinary Pathobiology (Galloway-Pena, Farkas, and Yang hired), 2019-2020
 - Co-chair, Asst. Professor of Epidemiology, Veterinary Integrative Biosciences (Ndeffo hired), 2017
 - Asst. Dean of One Health, Office of the Dean (Parker hired), 2015-2016
 - Asst. Professor of Epidemiology, Veterinary Integrative Biosciences (Norman hired), 2015-2016
 - Open rank Professor of Herd/Wildlife Health, Veterinary Pathobiology (Cook hired), 2012-2013
- 'Active Listener' for LAUNCH: undergraduate research scholar symposium, 2019
- Judge for CVM Graduate/Postdoc Grant Competition, 2019
- Faculty Mentor for Academy for Future Faculty (AFF)- assisted students in developing teaching philosophy, syllabus, 2019-2020

- Instructor for Pre-conference Course: Vector-borne Disease for the Clinician, hosted by American Committee of Medical Entomology (ACME), American Society of Tropical Medicine & Hygiene, Oct 2018
- Scientific Program Committee for the 2018 Boehringer Ingelheim-NIH National Veterinary Scholar Symposium
- External Examiner for PhD dissertation
 - University of Guelph, 2017
 - Memorial University of Newfoundland, 2017
- Invited member of the Advisory Council for the 2016 Chagas Policy Summit, a joint effort of Texas Health Institute and Harris County Public Health
- Judge of Entomology Graduate Student Research Forum, August 2014
- Advisory Committee for NIH T35 Training Grant (Veterinary Medical Scientist Research Training Program), 2014-present
 - Judge for student presentations August 2019
- Judge for student presentations during the Ecological Integration Symposium, Ecology and Evolutionary Biology Interdisciplinary Group, Texas A&M University, March 2013, 2014, 2015, 2016.
- Invited to give conference opening remarks for Ecological Integration Symposium (One Health Theme), Ecology and Evolutionary Biology Interdisciplinary Group, March 2015.
- Invited subject expert on Chagas disease and Tick-borne disease for 1-hour review course for American College of Veterinary Preventive Medicine (ACVPM) board examination, Jan 2014.
- Invited subject expert on Chagas disease to advise the Southwest Electronic Energy Medical Research Institute, a Houston-based charitable trust. Served as a member on a “Delphi Panel” to discuss the opportunities for Chagas disease management in the Americas, 2013-2014.
- Invited subject expert on Chagas disease for training of consultants for Antech Diagnostics, Oct. 2013
- Serve as reviewer for *Borrelia* Fact Sheet. Gamble, K.C., and M.M. Clancy (eds). Infectious Diseases of Concern to Captive and Free Ranging Animals in North America, 2nd ed. 2013. Infectious Disease Committee, American Association of Zoo Veterinarians, Yulee, Florida. 1098 pp. Website address: <http://www.aazv.org/?page=IDM2013>
- Invited member of ‘Tick Technical Working Group’ to advise on sampling design for tick collections for the National Ecological Observatory Network (NEON), NSF-funded continental-scale observatory designed to gather up to 30 years of data on the ecological impacts of climate and land use changes at 60 sites spread across the United States, Jan 2013-present.
- Faculty volunteer for ‘IDEA’ student ratings of instruction pilot evaluation program at TAMU, 2013
- Faculty mentor for TAMU student chapter of ‘Veterinarians without Borders’, 2013-2015. Organize guest speakers; Let a student panel on One Health research (October 2014)
- Judge for TAMU CVM Graduate and Postdoctoral Association Research Symposium, April 2012, 2017, 2018
- Selection Committee for TAMU CVM High Impact Student Publication Awards, April 2012
- Wildlife Disease Working Group, The Wildlife Society
 - Elected Board Member (2007-2011)
 - Chair of Student Affairs Committee (2008-2015); Member (2016-present). I solicit student and edit student research articles for ‘The Vector’ quarterly newsletter for our working group
- Fisheries and Wildlife Graduate Student Organization, President 2008-2009, Vice-President 2007-2008, Treasurer 2006-2007
- Graduate Representative for the undergraduate Fisheries and Wildlife Club, 2004 – 2009
- Xi Sigma Pi Forestry and Natural Resources Honors Society, President 2001-2003

OUTREACH ACTIVITIES / DELIVERY OF CONTINUING EDUCATION:

- Invited CE presentations for Texas Veterinary Medical Association annual meeting, Irving, TX, March 2024
 - Chagas disease in dogs
 - SARS-CoV-2 infections in animals
- Petit Basset Griffon Vendéen (PBGV) 2023 Regional & National Specialty. Kerrville, TX, March 27-April 2, Invited speaker on Chagas and other Zoonoses.
- ECHO® (Extension for Community Healthcare Outcomes) seminar, Epidemiology and Infection in Dogs with Chagas Disease, January 24, 2023, organized by UT Health. Sarah Hamer and Ashley Saunders.
- Invited presenter for One Health Symposium organized by Boehringer Ingelheim Animal Health for CE at:
 - Veterinary Meeting & Expo (VMX) 2023, Jan 14-18 2023, Orlando, Florida.
 - Western Veterinary Conference (WVC) 2023, Feb 19-22, Las Vegas, Nevada.
- Invited presentation for the Sun City Nature Club Living – Living with Wildlife Special Interest Group, Oct 27, 2022. Georgetown, TX. Topic- Wildlife Diseases
- Universidad del Valle de Guatemala: Foro Mujeres en Ciencia, Sept 9, 2022 (virtual panel)
- 'CE by the Sea' – delivery of 2 hours of continuing education to Texas veterinarians, Port Aransas, TX, Sept 9-11, 2022.
- Seminario por la Secretaría de Salud del Estado de Hidalgo, Mexico- sesion virtual para los 'temas selectos para el manejo de enfermedades transmitidas por vector'. 23 Mayo, 2022. Con estudiante doctoral Juan Pablo Fimbres Macias.
- CE Webinar (1 hour) for ACVPM, Chagas disease epidemiology, March 2022. 326 registrants and 207 live attendees.
- Hosted workshop for Community Health Workers (promotoras) in South Texas on Chagas disease, funded by National Network of the Libraries of Medicine, April 28, 2021. Offered 2 TDSHS-certified CE hours and 2 non-certified CE hours. Over 115 attendees.
- American Mosquito Control Association (AMCA) Continuing Education Webinar: *Triatomine Vectors of the Chagas Disease Parasite: Ecology, Behavior, and Transmission at the Human-animal Interface*, Dec 16, 2020,
- Zoonosis One Health Update (ZOHU), Centers for Disease Control and Prevention. November 4, 2020. *Texas A&M Epidemiological Investigation of SARS-CoV-2 Infection in Household Pets*. Live webinar reached 501 participants, and was for Continuing Education available online.
- On-demand Webinar: *Canine Chagas Disease: Studies of naturally infected dogs and kissing bug vectors*. Made by VetVine and sponsored by AKC- Canine Health Foundation, available for Continuing Education, Summer 2020
- Invited speaker for Arroyo Colorado Audubon Society, Harlingen, TX, February 13, 2020.
- Invited to lead a workshop at Inaugural North American Wildlife Disease Workshop, in conjunction with Wildlife Disease Association annual meeting, August 2019, UC-Davis. Workshop topic: wildlife radio telemetry.
- Invited speaker to Rotary Club of College Station about avian research, July 28, 2019
- Invited presentation (webinar) for the National Association of Federal Veterinarians Continuing Education, April 3, 2019
- Host quarterly field research bird banding experiences at local natural areas for university and community members, with approximately 30 participants each month, starting Fall 2012
- Coordinated 'wetlab' for Zoo/Exotics/Wildlife club wetlab weekend- mammal and bird trapping; wildlife chemical immobilization, February 2014, 2019, 2020, 2022, 2023, 2024
- Invited speaker for Good Water Master Naturalists, Austin, TX, July 2019
- Brazos Valley Veterinary Association evening presentation on Chagas disease, March 2019

- Presentations to student clubs:
 - University of Texas Pre-vet Society, April 2024
 - Pre-vet Society, March 2019, February 2023
 - Vets without Borders, March 2019, Nov 2020
 - Animal Welfare Club, April 2019
 - Biomedical Science Association- Veterinary Branch, Nov 2018
 - Green Vets Club to discuss climate change and infectious disease, Sept 2016
 - Sheltering Vets Club to discuss vector-borne and parasitic disease research at animal shelters, Fall 2014
 - TAMU Wildlife Disease Association student chapter, February 2012, April 2013, September 2022.
- Invited speaker to Texas Master Naturalists- Brazos Valley, 'kissing bugs', Sept 2018
- Zoonosis One Health Update (ZOHU), Centers for Disease Control and Prevention. April 2018. "Chagas disease ecology in the southern US- vector distributions, infected wildlife, and domestic dog sentinels". Attended by over 250 medical professionals for Continuing Education
- Invited speaker for Student American Veterinary Medical Association annual meeting, 'Special Topics' lecture and 'One Health Panel Discussion', March 2017, College Station, TX.
- Invited speaker for TX Department of State Health Services 'Grand Rounds' on Chagas disease, April 6 2016. Attended in person or virtually by over 300 participants. Continuing Education offered. Archived version available: <https://attendee.gotowebinar.com/recording/2174482529770869252>
- Invited speaker at CVM 'College Hour' about research funded by the TAMU One Health Grand Challenge, Fall 2014
- Invited speaker at the joint TX Veterinary Medical Diagnostic Laboratory – Brazos Valley Veterinary Medical Association meeting to speak on Chagas disease, September 2014
- Invited speaker at Chagas disease symposium hosted by South Texans' Property Rights Association (STPRA), May 2014.
- Faculty host for a journal club meeting of the 'Epidemiology Student Organization', a group of graduate students in the School of Rural Public Health, March 2014.
- Invited speaker for the 'One Health Learning Community' to discuss eco-epidemiology and lead a field-lab at a local park. February 2014, Spring 2016.
- Guest presenter (along with PhD student Rachel Curtis) for evening meeting of Brazos Valley Kennel Club to discuss canine Chagas disease, Jan 2014.
- Invited speaker at TAMU CVM Postdoctoral Association on the academic interview process, August 2012
- Invited Speaker at monthly Rio Brazos Audubon Society Meeting to discuss the relationships among wild bird, ticks, and zoonotic pathogens, Bryan, TX, May 2012
- Instructor, Wildlife Disease Workshop for Texas Chapter of The Wildlife Society, Ft. Worth. Provided 2 days of lectures on wildlife diseases and field necropsy demonstrations for wildlife biologists and students, February 2012.
- Emerging Infectious Diseases Podcast, November 2012, CDC. Recorded a Podcast interview by invitation to discuss my paper on birds and ticks published in EID Journal. Available through I-tunes.
- Invited presenter on CDC's 'Selected Zoonotic Disease Conference Call' to present my research on urban bird-borne zoonotic diseases. Conference call attended by over 200 medics, epidemiologists, public health officials, and more (8/1/12).
- Invited Speaker for Pfizer Lunch and Learn'. 'Ticks, Trails, and Hummingbird Tales', March 2011.
- Guest speaker at Safari Clubs International Novi Chapter 'Big Buck Night'. Topic: Emerging tick-borne diseases and risk to hunters, May 2010
- Invited speaker at Michigan Lyme Disease Association annual Conference, August 2009
- Created a booth on wildlife field research for 'Vet-a-visit', MSU College of Vet Med, 2008

- Presentations to park staff and visitors at Sleeping Bear Dunes National Lakeshore on ticks and disease risk in summers 2008 and 2009
- Collaborate with Michigan Dept Community Health and Dept Natural Resources to share results of Lyme disease surveillance with state parks managers and public. Provided fact sheets. 2004-2009.
- Presentation as part of MSU Department of Fisheries and Wildlife weekly seminar series on biodiversity in Uganda after assisting with instruction of a study abroad, 2008.
- Organized the '*Conference for Veterinary and Medical Professionals on Emerging Lyme disease in Michigan*' at Brook Lodge, MI, November 2005. Attended by ~50 human and veterinary medical professionals; presented general disease information and research results

COMMUNICATION OF SCIENCE THROUGH THE MEDIA:

- Kissing bug community science program featured in Entomology Today, December 14, 2023: <https://entomologytoday.org/2023/12/14/new-study-expands-knowledge-kissing-bug-range-missouri-illinois-chagas-disease/>
- Schubot Center for Avian Health
 - September 2022, Feature article for inaugural issue of 'research@Texas A&M', <https://tamuresearch.foleon.com/research-at-tamu-magazine/issue2022/feature-watch-the-birdies>
 - October 2022, Featured in Texas A&M Today television show, PBS / KAMU / NPR <https://www.pbs.org/video/ep-2-nature-at-texas-am-vvv8yv/>
- Chagas disease drug discovery work on which I collaborate featured in Science Magazine, Sept 6, 2022: <https://www.science.org/content/article/possible-new-treatment-neglected-tropical-disease>
- Publication about lack of insects/cockroaches carrying SARS-CoV-2 covered in [Entomology Today](#) on July 16, 2022, and AgriLife Today ([Flies, roaches not likely to spread COVID](#)) and subsequently seen and/or mentioned across 300 different outlets; AgriLife estimated potential audience viewership for the article in its entirety is 105.69M people including:
 - [US News and World Report](#), [Drugs.com](#), [MedicineNet](#), [ScienceDaily](#)
- General animal SARS-CoV-2 coverage:
 -
 - TAMU News, March 7, 2023. TEXAS A&M RESEARCHERS PLAY KEY ROLE IN NATIONAL ANIMAL COVID-19 RESEARCH. <https://vetmed.tamu.edu/news/press-releases/tamu-national-animal-covid-research/>
 - Wired, October 27, 2022. Where Did Omicron Come From? Maybe Its First Host Was Mice. <https://www.wired.com/story/where-did-covid-omicron-variant-come-from-maybe-its-first-host-was-mice/>
 - Time Magazine, August 3, 2022. Why Animals Are Less Vulnerable Than Humans to BA.5 and Omicron. <https://time.com/6203328/animals-covid-19-omicron-ba5/>
 - The Washington Post, June 30, 2022. Tiger dies after contracting coronavirus at Ohio zoo. <https://www.washingtonpost.com/health/2022/06/30/ohio-tiger-covid-death-zoo/>
 - KCBS San Francisco news radio, May 28, 2022. <https://omny.fm/shows/kcbsam-on-demand/behind-the-global-effort-to-track-covid>
 - The Washington Post; May 22, 2022 (print). Tracking coronavirus in animals takes on new urgency. <https://www.washingtonpost.com/health/2022/05/20/tracking-coronavirus-variants-animals/>
 - News of new CSTE grant for community cat research, April 21, 2022. <https://mailchi.mp/austintexas.gov/ahs-and-austin-animal-center-to-participate-in-covid-cat-study?e=e5ea6a6d31>
 - Texas Monthly; March 21, 2022. Your Pets Have Been Getting COVID-19 Too. Here's Why That Matters. <https://www.texasmonthly.com/news-politics/covid-pets-am-testing/>

- Findings of SARS-CoV-2 exposure in captive Texas deer:
 - VIN News Service, March 11, 2022: What we know now about Covid in the animal world. <https://news.vin.com/default.aspx?pid=210&id=10806531&f5=1>
 - The New York Times (print), February 7, 2022. Is the Coronavirus in Your Backyard? <https://www.nytimes.com/2022/02/07/health/coronavirus-deer-animals.html>
 - Feb 2022: Texas Wildlife Radio Show on the Texas Farm Bureau Radio Network
 - Jan 25, 2022: AgriLife Today: Are Deer in Covid's Crosshairs? <https://agrilifetoday.tamu.edu/2022/01/25/study-shows-deer-can-contract-and-likely-transmit-covid-to-one-another/>
- INTERNATIONAL: Spanish newspaper EL MUNDO, Madrid, Spain, January 5, 2022. <https://www.elmundo.es/papel/cultura/2022/01/04/61d33351e4d4d8c3108b4595.html>
- American Kennel Club: <https://www.akcchf.org/educational-resources/library/articles/chagas-disease-risk-for-dogs.html>
- Media, interviews regarding first detection of SARS-CoV-2 U.K. (Alpha) Variant of Concern (VOC) in animals worldwide
 - JAVMA News, Oct 13, 2021: <https://avmajournals.avma.org/view/news/studies-ongoing-into-effects-of-sars-cov-2-variants-on-animals.xml>
 - Scientific American, July 20, 2021. <https://www.scientificamerican.com/article/people-with-covid-often-infect-their-pets/>
 - JAVMA news, April 28, 2021. <https://www.avma.org/javma-news/2021-05-15/sars-cov-2-variant-found-pets>
 - Fox26 News Houston's Morning Show, April 15, 2021. https://us.vocuspr.com/ViewNewsOnDemand.aspx?Email=jgauntt%40tamu.edu&Date=4%2f15%2f2021+11%3a02%3a12+AM&ArticleID=513992_24816_447733954
 - ABC13 Houston news, April 14 2021: <https://abc13.com/pets-animals/uk-variant-of-virus-confirmed-in-2-texas-house-pets/10514082/>
 - Battalion newspaper, March 28, 2021: http://www.thebatt.com/news/uk-covid-19-variant-detected-in-pets-in-brazos-county/article_17d32f08-903d-11eb-9e17-47b24d9d6eff.html
 - INTERNATIONAL: The Indian Express, Dehli, India, March 25, 2021: <https://indianexpress.com/article/explained/coronavirus-in-cats-dogs-uk-strain-a-heart-condition-7243720/>
 - WebMD, March 25, 2021: https://www.webmd.com/lung/news/20210325/covid-variants-detected-in-animals-may-find-host-in-mice?src=rss_public
 - INTERNATIONAL: Spanish newspaper EL MUNDO, Madrid, Spain, March 25, 2021. <https://www.elmundo.es/ciencia-y-salud/medio-ambiente/2021/03/24/605b0388fdddff1e398b4594.html>
 - Forbes, March 23, 2021. https://www.forbes.com/sites/robertglatter/2021/03/23/b117-variant-found-in-animals-are-people-at-risk-of-catching-a-covid-19-variant-from-their-pets/?sh=270508b92e05&utm_medium=today_email&utm_campaign=today_03-24-2021
 - NPR, The Texas Standard, March 23, 2021: <https://www.texasstandard.org/stories/today-on-texas-standard-144/>
 - Science Magazine, March 19, 2021: <https://www.sciencemag.org/news/2021/03/major-coronavirus-variant-found-pets-first-time>
 - Southwest Farm Press, March 19, 2021: <https://www.farmprogress.com/farm-life/first-known-covid-19-uk-variant-animals-uncovered>
 - ProMed March 17, 2021: <https://promedmail.org/promed-post/?id=20210316.8251626>
 - ABC 25 News KRHD March 16, 2021: <https://www.kxxv.com/brazos/first-animals-to-contract-u-k-variant-of-covid-19-found-in-brazos-county>
 - The Eagle newspaper March 16, 2021: https://theeagle.com/news/local/uk-virus-variant-found-in-brazos-county-pets/article_f0e0ba94-85fd-11eb-bec1-1fd3600c989a.html#tracking-source=home-top-story-1

- Texas A&M Today and CVMBS press releases March 15, 2021: <https://today.tamu.edu/2021/03/15/texas-am-research-uncovers-first-known-covid-19-uk-variant-in-animals/>
- Interviewed for newspaper article re: links of our bird tick research and climate change, Traverse City Record Eagle, March 18, 2021: https://www.record-eagle.com/news/tick-study-in-leelanau-county-could-host-clues-of-climate-change/article_cf2f7f0a-7b9b-11eb-b8ed-7341fcb59186.html
- Interviewed regarding Texas winter storm and impact on native wildlife, as Director of Schubot Center for Avian Health: February 22, 2021: <https://www.kxxv.com/brazos/native-brazos-valley-wildlife-mostly-spared-this-arctic-storm>
- Media, interviews regarding detection of SARS-CoV-2 virus in pet cats and dogs:
 - Science&Vie magazine France SV1255 Animals & Covid, April 2022 edition (project photo used).
 - INTERNATIONAL: TBS News, Seoul South Korea. March 11, 2021. K-Quarantine Strategy Expands To Pets As COVID-19 Research Continues. http://tbs.seoul.kr/eFm/newsView.do?typ_800=P&idx_800=3426794&seq_800=
 - ABS 25 News: February 4, 2021: <https://www.kxxv.com/brazos/research-on-pets-contracting-covid-19-moves-forward-at-texas-a-ms-veterinary-school>
 - Kaiser Health News, November 4, 2020. <https://khn.org/news/lions-and-tigers-and-anteaters-u-s-scientists-scan-the-menagerie-for-covid/>
 - Reprinted at WebMD and New Zealand's 'Eminetra'
 - ABC13 Houston, October 30, 2020. Video interview: <https://abc13.com/covid-19-pets-animals-dogs-cats/7422104/>
 - The Battalion Newspaper, August 18, 2020: http://www.thebatt.com/news/a-m-study-identifies-positive-covid-19-cases-in-cats/article_e4484684-e1b2-11ea-a4bb-57d055650772.html
 - Futurism, August 17, 2020: <https://futurism.com/neoscope/scientists-warn-pets-infect-people-covid19>
 - The Eagle Newspaper (Bryan/College Station), August 11, 2020: https://theeagle.com/news/local/researchers-examine-covid-19-in-local-cats/article_09ebf57c-db67-11ea-88e1-ef1e87ba87ae.html
 - The Pet Buzz Podcast, August 9, 2020: <https://soundcloud.com/thepetbuzz/the-pet-buzz-week-of-august-9-sharks-research-about-covid-pets-and-forest-bathing-for-dogs>
 - The New Scientist Magazine, August 17, 2020: <https://www.newscientist.com/article/2251572-are-pets-at-risk-of-getting-covid-19-and-can-they-spread-it-to-people/>
 - Fox News (National), August 9, 2020: <https://www.foxnews.com/science/pet-cats-in-texas-test-positive-for-coronavirus>
 - ABC7 Eyewitness News, Houston, August 7, 2020 (video interview from backyard): <https://abc7chicago.com/covid-19-cats-test-positive-for-coronavirus-in-and/6359297/>
 - CBS Austin, August 7, 2020 (video interview from field trunk): <https://cbsaustin.com/news/local/two-cats-in-texas-test-positive-for-covid-19-according-to-texas-am-researchers>
 - KOHU11 Houston, August 6, 2020 (video interview from lab with field footage): <https://www.khou.com/article/news/health/coronavirus/am-research-study-confirms-2-cats-test-positive-for-covid-19-in-brazos-county/499-61917298-c4a4-4d2b-a2f3-c29b6c9ddf0c>
 - KBTX-TV, August 6, 2020 (video interview in laboratory): <https://www.kbtx.com/2020/08/07/first-cats-in-texas-test-positive-for-sars-cov-2-virus-in-brazos-county/>
 - KLRD1080 News Radio (interview), August 13, 2020: <https://krlr.radio.com/articles/news/study-makes-link-between-people-and-pets-who-test-positive>
 - VIN News Service, September 17, 2020: <https://news.vin.com/default.aspx?pid=210&catId=613&Id=9811976>

- Pest Management Professional, October 20, 2020: <https://www.mypmp.net/2020/10/20/catchmaster-texas-am-team-to-study-role-of-flies-in-covid-19-spread/>
 - ABC13 Eyewitness News, Oct 30, 2020: <https://abc13.com/covid-19-pets-animals-dogs-cats/7422104/>
 - CNN, October 30, 2020: <https://www.cnn.com/2020/10/30/health/what-animals-have-coronavirus-partner-scn/index.html>
- Meyers et al. (2019) canine Chagas paper covered on VetGirl podcast: <https://vetgirlontherun.com/podcasts/risk-factors-and-cardiac-characteristics-in-dogs-infected-with-trypansom-a-cruzi-vetgirl-veterinary-continuing-education-podcasts/>
- Media regarding spike in kissing bug collections in summer 2020:
 - NBC5- Dallas Fort Worth, July 7, 2020: <https://www.nbcdfw.com/news/local/texas-news/texas-kissing-bug-spike-could-increase-risk-of-chagas-disease-researchers-say/2408186/>
 - KSAT San Antonio, July 25, 2020: <https://www.ksat.com/news/local/2020/07/28/kissing-bugs-a-cute-name-with-no-so-cute-side-effects-spiking-in-texas/>
 - San Marcos Daily Record, July 20, 2020: <https://www.sanmarcosrecord.com/news/experts-warn-boom-kissing-bugs-chagas-disease>
 - My San Antonio, July 31, 2020: <https://www.mysanantonio.com/news/local/article/Experts-are-seeing-increasing-numbers-of-kissing-15449766.php>
 - North Texas E-news, July 25, 2020: http://www.ntxe-news.com/artman/publish/article_120662.shtml
 - Hays Free Press, August 5, 2020: <https://haysfreepress.com/2020/08/05/experts-warn-of-summer-threat-from-kissing-bugs-and-chagas-disease-2/>
- Texas Standard, June 2019: Our work with researchers from the Smithsonian Migratory Bird Center to document ticks imported by migratory birds was featured. <http://www.texasstandard.org/stories/in-texas-where-mosquitoes-thrive-tick-borne-diseases-are-often-overlooked/>
- National Geographic, June 2019. Interviewed S. Hamer; Photos by G. Hamer. “A little-known parasite infects 300,000 people in the U.S.” <https://www.nationalgeographic.com/magazine/2019/06/chagas-disease-spread-by-kissing-bug-infects-thousands-in-united-states/>
- Citizen Science Program on Kissing Bugs and Chagas disease: www.kissingbug.tamu.edu
 - Website is consistently in top returns upon google search of kissing bug/Chagas; smartphone app developed to support the citizen science program; CDC-recommended outreach program.
 - Fully translated to Spanish
 - Listed as a Resource by the Centers for Disease Control and Prevention: https://www.cdc.gov/parasites/chagas/add_resources.html
- Media regarding geographic distribution of kissing bugs:
 - NBC Nightly News with Lester Holt, 4/25/19, interviewed in lab: <https://www.nbcnews.com/nightly-news/video/health-officials-warn-deadly-kissing-bugs-spreading-north-in-u-s-1507954243522>
 - CNN
 - Washington Post
 - Fox News- Orlando
 - WGN Chicago Radio: <https://wgnradio.com/2019/04/30/kissing-bugs-are-showing-up-in-illinois-and-they-can-spread-chagas-disease-heres-what-you-need-to-know/>
- Research on Chagas disease impacts on border patrol dogs selected for media release at ASTMH conference; selected media below:
 - Live science, Oct. 2018. “US Homeland Security Dogs Face a Growing Occupational Risk: A Nasty Parasite” <https://www.livescience.com/63979-homeland-security-dogs-parasite-chagas-disease.html>

- ASTMH Annual meeting 2018 Blog, Oct. 2018 “Department of Homeland Security Working Dogs Face Internal Threat – A Tropical Disease Causing Heart Problems”
<http://iamtropmed.org/blog/2018/10/31/departement-of-homeland-security-working-dogs-face-internal-threat-a-tropical-disease-causing-heart-problems>
 - EurekAlert! The Global Source for Science News, Oct. 2018. “New report finds tropical disease causing heart problems in dogs assisting with homeland security duties”
https://www.eurekalert.org/pub_releases/2018-10/b-nrf102518.php
 - ProMED, Nov. 2018. “TRYPANOSOMIASIS (CHAGAS DISEASE) - USA (03): CANINE” Digest, Vol 76, Issue 6. Archive Number: 20181102.6123966. <http://www.promedmail.org/>
 - US News & World Report. Nov. 2018 “Tropical Disease Linked to Heart Trouble Turning Up in Border Security Dogs” <https://health.usnews.com/health-care/articles/2018-11-01/tropical-disease-linked-to-heart-trouble-turning-up-in-border-security-dogs>
- Nov 2018: MedPage Today: [Chagas Disease in Texas- New Surveillance Data: High rates in dogs points to Environmental Persistence](#).
- Austin American-Statesman ‘Grackle Week’- interview: [‘Can Grackles make you sick? Find out what is lurking inside the birds’](#).
- ‘Grappling with [Grackles](#)’ avian disease interview for the CVM ‘Pet Talk’
- KBTX nightly news, Bryan/College Station, [interview re: Chagas disease in dogs](#), Sept 2018
- July 2018: Discovery of novel poxvirus with CDC collaborators Selected for a [press summary](#) by the journal; Covered by [Live Science](#), [Fox News](#); postdoctoral researcher Dr. Hodo recorded a [Podcast](#) on the findings for the Emerging Infectious Disease journal.
- June 2018: Radio-transmitters used for tracking movement of blood-sucking vectors for the first time; media in [Smithsonian Magazine](#), [Entomology Today](#).
- InBrief Science Communications, Aug. 2017. “Chagas disease in border dogs”
<http://science.sciencemag.org/content/357/6352/628>
- Coverage of citizen science kissing bug program (examples):
 - Bryan/College Station, August 7, 2014: <http://www.abc40.com/story/26228271/researchers-learning-more-about-kissing-bug-and-chagas-disease?clienttype=generic&mobilecbypass>
 - College Station KBTX July 29, 2014: <http://www.kagstv.com/News/KAGSNews/ID/4354/Peak-Season-for-Kissing-Bugs>
 - Dallas CBS affiliate: <http://dfw.cbslocal.com/2014/10/30/north-texas-kissing-bugs-carry-potentially-killer-disease/>
- Coverage of Chagas disease shelter dog publication on national and local news outlets including:
 - September 11, 2014, NBC Dallas: <http://www.nbcdfw.com/news/health/Kissing-Bug-Spreading-Parasite-in-Texas-Dogs-274846301.html>
 - September 2014: The Scientist Magazine
<http://www.the-scientist.com/?articles.view/articleNo/40847/title/Chagas-Watchdogs/>
 - July 2014: National Public Radio:
<http://www.npr.org/blogs/goatsandsoda/2014/07/16/331729614/dogs-spread-kissing-bug-disease-in-texas-and-latin-america>
 - July 2014: Discover Magazine
<http://blogs.discovermagazine.com/bodyhorrors/2014/07/29/cry-of-wolf-texas-dogs-chagas-sentinel/#.U9kK0CRFhNE>
- Invited to record the AVMA ‘Animal Tracks’ Podcast on Chagas disease, Available Fall 2014.
 - <https://www.avma.org/news/pages/animaltracks.xml>
- Coverage of Borrelia research:
 - April 2015, Tick Encounter website:
http://www.tickencounter.org/news/lone_star_ticks_lyme_disease

- Photo / audio interview on wild bird research for Travel Review Stars: 'Birds, Animals and Humans, What We Don't Want to Share'
 - <http://travelreviewstars.com/home/index.php/nature-and-science/54-birds-animals-and-humans-what-we-don-t-want-to-share>
- Contributed blogs about ongoing research collaboration with the Smithsonian Migratory Bird Center:
 - March 2014: <http://nationalzoo.si.edu/scbi/migratorybirds/blog/?id=254>
 - April 2013: <http://nationalzoo.si.edu/scbi/migratorybirds/blog/?id=254>
- Selected outlets for nostril tick paper (Fall 2013-2014):
 - Berenbaum M. 2014. Ticked Off. American Entomologist 60(3) 131-134.
 - Houston Chronicle: <http://www.chron.com/news/health/article/Newly-discovered-chimpanzee-nostril-tick-4869605.php>
 - Science: <http://news.sciencemag.org/biology/2013/10/invasion-nostril-ticks>
 - National Geographic: <http://newswatch.nationalgeographic.com/2013/10/08/how-a-mysterious-tick-ended-up-in-a-scientists-nose/>
 - Public Radio International: <http://pri.org/stories/2013-10-15/scientific-discovery-falls-out-epidemiologists-nose>
- Selected outlets for Chagas disease epidemiology research (Spring and Summer 2013):
 - http://austiniist.com/2013/08/15/beware_the_chagas_disease-spreading.php
 - http://www.elgincourier.com/news/article_62a2d0a2-feae-11e2-b744-001a4bcf887a.html
 - <http://www.kvue.com/news/local/3-deadly-Kissing-Bugs-found-in-Elgin-no-reports-of-human-infection-219634111.html>
 - <http://www.kvue.com/home/Lockhart-woman-bitten-by-Kissing-Bugs-four-times-since-Spring-220003291.html>
 - <http://insectsinthecity.blogspot.com/2013/06/kissing-bugs-get-some-love.html>
 - http://www.theeagle.com/news/local/article_d6792379-419d-5263-b583-cc8157801695.html?mode=jqm
 - <http://today.agrilife.org/2013/03/13/never-kiss-a-kissing-bug-4/>
 - http://www.thevindicator.com/news/article_44f8ab3e-8cd6-11e2-a0aa-0019bb2963f4.html
- Selected outlets for whooping crane conservation research (Winter 2012/2013):
 - Houston Chronicle Article - January 16, 2013. <http://www.chron.com/sports/outdoors/article/Research-targets-crane-species-4200743.php>
 - Corpus Christi Caller - January 19, 2013 <http://www.caller.com/news/2013/jan/19/sandhill-cranes-may-help-solve-puzzle-of-crane/>
- 'Lyme disease tick adapts to life on the fragmented prairie' (6/21/2011) press release, University of Illinois News Bureau
- Interviewed in a video exhibit at the Michigan State University museum: "Avelution" Birds in the Development of Darwin's Theories on Evolution, 2010
- Selected outlets for PhD research on Lyme disease:
 - Woods-N-Water News 'MSU researchers collect ticks from harvested deer in Lyme disease study' (January 2008)
 - Hunters Exchange Television, 15-minute piece on wildlife field research, 2007
 - Ludington Daily News 'Tick that spreads Lyme disease moving north' (6/26/07)
- Selected outlets for Master of Science research on West Nile virus and crows:
 - Chicago Wildlife News 'Crows slowly making comeback in Illinois' (3/8/10)
 - Chicago Wilderness 'A Murder of Crows- Black Beauty Faces Hard Times' (Winter 2004)
 - The News Gazette Champaign IL 'This conference is for the birders' (12/10/03)
 - Urban Programs Resource Network 'West Nile virus is tough on bird population' (5/28/03)
 - Chicago Tribune Magazine 'West Nile virus- what went wrong?' (5/11/03)

- Outdoor Illinois 'Crow Study Yields Eye-Opening Results' (April 2003)
- The News Gazette, Champaign IL 'Research tracks spread of West Nile' (7/28/02)
- The Skokie Review 'West Nile depleting bird populations' (9/12/02)
- Illinois Public Radio interview, 2003