

CURRICULUM VITAE

DAWN M. ROELLIG

Microbiologist

Centers for Disease Control and Prevention
National Center for Emerging and Zoonotic Infectious Diseases
Division of Foodborne, Waterborne, and Environmental Diseases

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Education

Doctor of Philosophy in Infectious Diseases, December 2009

Department of Infectious Diseases, College of Veterinary Medicine, The University of Georgia, Athens, GA, 30602

Master of Science in Biology, July 2006

Department of Biology, College of Science and Technology, Georgia Southern University, Statesboro, GA, 30458

Bachelor of Arts in Biology, May 2004

Department of Biology, Agnes Scott College, Decatur, GA, 30030

Professional Experience

Microbiologist, CDC, NCEZID/DFWED/WDPB, Atlanta, GA, January 2012-present

- Managed the routine operations of the Molecular Epidemiology lab by properly maintaining safety records and ensuring safety compliance, training laboratory personnel, and directing service and research activities.
- Continued the development and implementation of the CryptoNet database including communicating needs with software developers, presenting 3 informative seminars to state and local health partners, developing teaching materials, and distributing fact sheets and SOPs to representatives from FDA, KY, ME, GA, FL, NH, WI, MN.
- Completed collaborative project with the CDC Pox group to genotype *Giardia* in a research prairie dog colony and identified a novel *Enterocytozoon bieneusi* genotype.
- Continued collaborative surveillance project to identify *Cryptosporidium* spp. and subtypes in clinical specimens from Spain.
- Oversaw the screening of stool samples from Kenya and Nigeria for enteric protozoa.
- Coordinated the distribution of laboratory materials and data reporting templates and continue to act as the primary lab contact for the APHL collaborative study with WI, MN, NY-Wadsworth, and KY to compare rapid cartridge assays to molecular and DFA methods for cryptosporidiosis.
- Continued service by acting as WDPB representative at the Food Safety Modernization Act Surveillance Working Group of the Board of Scientific Counselors (OID) and at the Culture-Independent Diagnostic Testing Workgroup of NCEZID.
- Provided service and consultation to state and local partners for sporadic and outbreak cases of *Cryptosporidium* and *Naegleria fowleri* including: Washington State Public Health Lab for potential transmission of *Cryptosporidium* between handlers and lab-reared, non-human primates; NE for a *Cryptosporidium* outbreak associated with travel to Mexico; multiple states and a US territory for several sporadic *N. fowleri* cases; ID, VT, WI, ME, WA, MI for sporadic cases of *Cryptosporidium*.

Graduate Research Fellow, APHL/CDC, Division of Parasitic Diseases, Atlanta, GA, January 2010- 2012

- Initiated and completed set-up of laboratory in remote location in northern Peru to be used for activities such as animal processing (anesthesia, phlebotomy, necropsy), parasite hemoculture, and collection and temporary storage of biological samples.
- Initiated and completed surveillance studies of *Trypanosoma cruzi* in sylvatic reservoirs in Cutervo, Peru to be used for molecular and epidemiological analysis.
- Advised researchers at SEDE in Arequipa, Peru of laboratory code requirements for handling and processing animals, human, and bug samples in addition to basic laboratory safety requirements.
- Continued collaborative efforts of mentors by assisting researchers at Universidad Peruano Cayetano Heredia in Lima, Peru with molecular analysis and iteration of research findings.
- Traveled to Guatemala City to assist with analysis of surveillance samples to determine efficacy of mass drug administration for the Onchocerciasis Elimination Program for the Americas.
- Trained new employees and assisted with various ongoing projects related to infectious diseases.
- Initiated immunological studies of archived primate samples experimentally inoculated with *Onchocerca volvulus*.
- Developed a molecular protocol for identification of blood meal hosts in vectors.

Graduate Research Assistant, Southeastern Cooperative Wildlife Disease Study, CVM, UGA, Fall 2006-2009

- Followed sterile culture procedures to isolate parasites from whole blood samples.
- Completed and modified polymerase chain reactions and sequencing reactions for multiple *Trypanosoma cruzi* gene targets to find evidence of genetic exchange and trends in discrete typing units between isolate sources.
- Initiated and completed experimental infections of North and South American animal species with North American isolates of *T. cruzi* to elucidate the ecology of natural infections in wildlife populations.
- Initiated and completed *per os* route experimental infections of raccoons with *T. cruzi* in culture, tissue, and triatomine bugs.
- Assisted with various ongoing projects including: determination of health status and parasite loads of deer herds in Louisiana, surveillance of *Baylisascaris procyonis* in Athens-Clarke County, identification of parasites in fecal samples from various hosts, identification of white-tailed deer *Theileria* sp. infecting Alabama reindeer, and susceptibility of different species to infection with Chytridiomycota.

Graduate Teaching Assistant, Department of Biology, Georgia Southern University, Fall 2004-2006

- Completed thesis research detecting *A. phagocytophilum* in questing, adult *Ixodes scapularis* at domestic and feral horse habitats.

Oak Ridge Institute for Science and Education Fellow/Student Researcher, Centers for Disease Control and Prevention, Atlanta, GA, September 2002-July 2004

- Performed primary, nested, and quantitative polymerase chain reactions to determine presence of human granulocytic anaplasmosis (HGA) agent and quantify bacterial DNA in samples.
- Analyzed samples by quantitative PCR methods to elucidate acquisition and transstadial transmission of *Anaplasma phagocytophilum* in ixodid ticks.
- Continued research of *A. phagocytophilum* through 16S rRNA gene sequencing and identifying sequence variations.
- Tested the efficacy of a time-released antibiotic, Atridoxycycline, treating murine models infected with *A. phagocytophilum* by performing real time PCR.

Teaching Experience

Teaching Assistant- D.B.Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA
Wildlife Disease Ecology and Management- FORS (POPH) 5100/7100

Developed and delivered 2 lectures on tick-borne zoonoses (Lyme disease, anaplasmosis, ehrlichiosis and Rocky Mountain spotted fever) and foreign animal diseases (foot and mouth disease, classical swine fever, and heartwater).

Guest Lecturer- College of Veterinary Medicine, University of Georgia, Athens, GA

Wildlife Diseases- POPH 5201

Developed and delivered presentation about dissertation research and *T. cruzi* in the United States.

Laboratory Instructor and Teaching Asst.-Dept. of Biology, Georgia Southern University, Statesboro, GA

General Biology Lab: BIOL 1110

2004-2006: Developed and delivered lectures covering topics such as genetics, transmission of pathogens, respiration, and mitosis/meiosis.

Research Mentor-

Georgia Veterinary Scholars Program, College of Veterinary Medicine, University of GA

Kate McMillan: “Infection dynamics of *Trypanosoma cruzi* strains from North and South America in degus and short-tailed opossums” (Summer 2007)

Center for Undergraduate Research Opportunities, University of Georgia, Athens, GA

Wendy Fujita: (Spring 2007; Spring 2008)

“Molecular characterization of *T. cruzi* from the United States” (Spring 2007)

“Detection of *T. cruzi* in experimentally infected raccoons and degus” (Spring 2008)

Awards and Honors

2010	Ashton-Cuckler New Investigator Award- American Society of Parasitologists (\$2500)
2010-2012	Emerging Infectious Diseases post-doctoral fellowship with APHL and CDC
2009	Nomination for 2010 Edition of Who’s Who in America
2009	Competitive Travel Award- American Society of Parasitologists
2009	Byrd-Dunn Best Student Paper Award- Southeastern Society of Parasitologists (\$200)
2009	Competitive Travel Award - European Wildlife Disease Association Student Workshop
2008	Best Student Paper 2 nd Place Award- American Association of Veterinary Parasitologists (\$300)
2008	Young Investigator Travel Grant- American Association of Veterinary Parasitologists (\$500)
2008	Competitive Travel Award- American Society of Parasitologists (\$300-declined)
2007	Competitive Travel Award- American Society for Rickettsiology (\$500)
2007	Competitive Travel Grant- Office of the Vice President of Research, UGA (\$620)
2007	Competitive Travel Grant- American Society of Parasitologists (\$200)
2006-present	Graduate Research Assistantship- Southeastern Cooperative Wildlife Disease Study, UGA
2006	College of Science and Technology Academic Excellence Grant, GSU (\$500)
2005	Graduate Student Professional Development Fund Grant, Georgia Southern University
2005	The Women’s Network George and Catherine Peacock Graduate Scholarship, GSU (\$550)
2004-2006	Graduate Teaching Assistantship- Department of Biology, Georgia Southern University
2002-2004	Oak Ridge Institute for Science and Education Fellowship- CDC
2000-2004	Francis Winship Walters Scholarship, Agnes Scott College

Grant Support

Past Funding

Prevalence of *Anaplasma phagocytophilum* in horses from the Southeast. Clinical Research Fund (\$2,215).

Michael J. Yabsley (PI), A.R. Woolums, A. Pellegrini-Masini, **D.M. Roellig**, C. Ramaswamy. 01/02/08-12/22/09.

Purpose: Surveillance for *A. phagocytophilum* in horses from the southeastern United States.

Characterization of *Cytauxzoon felis* in reservoir and vector populations. Morris Animal Foundation. (\$15,562) M.J. Yabsley (PI), H.M. Brown, **D.M. Roellig**, and D.S. Peterson. 7/1/08-6/30/09.
Purpose: To characterize *C. felis* from bobcats and ticks in the eastern US.

Not funded

Genetic markers of Benzimidazole (BZ) resistance in populations receiving Mass Drug Administration (MDA) (\$837,000). V. Cama (PI), S. Njenga (Co-PI), P. Lammie, **D.M. Roellig**. CDC, Office for Antimicrobial Resistance VSSPU.

Purpose: Investigate anthelmintic resistance of soil-transmitted helminths to BZ during longitudinal MDA in Kenya.

Risk of Equine *Anaplasma phagocytophilum* infection in the southern United States. Morris Animal Foundation (\$15,538)

Publications

In Review/Preparation

1. **Roellig, Dawn M.**, A. Wendy Fujita, Mason Y. Savage, and Michael J. Yabsley. Biological characteristics of distinct strains of *Trypanosoma cruzi* from the United States. (In Preparation)
2. Amer, Said. Shereif Zidan, Haileeyesus Adamu, Jianbin Ye, **Dawn Roellig**, Yaoyu Feng, Lihua Xiao. Characterization of *Cryptosporidium* spp. in dairy cattle in Nile River delta river province, Egypt. (in CDC clearance)
3. Na Li, Lihua Xiao, Keri Alderisio, Kristin Elwin, Elizabeth Cebelinski, Rachael Chalmers, Monica Santin, Ronald Fayer, Martin Kvac, Una Ryan, Bohumil Sak, Michal Stanko, Yaqiong Guo, Lin Wang, Longxian Zhang, Jinzhong Cai, **Dawn Roellig**, and Yaoyu Feng. Subtyping *Cryptosporidium ubiquitum*, an emerging zoonotic pathogen in humans. Submitted to Emerging Infectious Diseases. (In Review)
4. **Roellig, Dawn M.**, Luis Gomez, Daniel Mead, Vitaliano Cama. Adaptation of a group-specific polymerase chain reaction and restriction fragment length polymorphism (RFLP) analysis for detecting host DNA in blood meals of *Triatoma sanguisuga*. Submitted to PLoS NTDs (In Review)

Published or Accepted/In press

1. **Roellig, Dawn M.**, A. Wendy Fujita, Mason Y. Savage, Christian Barnabé, Michel Tibayrenc, Frank J. Steurer, and Michael J. Yabsley. 2013. Genetic variation and exchange in *Trypanosoma cruzi* from the United States. PLoS ONE 8(2): e56198.
2. Pinto, Jesus, **Dawn M. Roellig**, Robert H. Gilman, Maritza Calderon, Carlos Barta, et al. 2012. Temporal differences in blood meal detection from the midguts of *Triatoma infestans*. Revista do Instituto de Medicina Tropical de Sao Paulo. 54: 83-7.
3. **Roellig, Dawn M.** and Quentin Q. Fang. Detection of *Anaplasma phagocytophilum* in ixodid ticks from equine inhabited sites in the southeastern United States. Vector-borne and Zoonotic Diseases
4. Velazquez, Daniel, Wences Arvelo, Vitaliano Cama, **Dawn Roellig**, Beatriz Lopez, Lisette Reyes, Kimberly Lindblade, Geoffrey Kahn. 2011. Molecular insights for Giardia, Cryptosporidium and Soil Transmitted Helminths from a facility-based surveillance system in Guatemala. American Journal of Tropical Medicine and Hygiene.
5. **Roellig, Dawn M.** And Michael J. Yabsley. 2010. Infectivity, pathogenicity, and virulence of *Trypanosoma cruzi* isolates from sylvatic animals and vectors and domestic dogs from the United States to ICR strain mice and SD strain rats. American Journal of Tropical Medicine and Hygiene. 83: 519-522.
6. **Roellig, Dawn M.**, Katherine McMillan, Angela E. Ellis, and Michael J. Yabsley. 2010. Experimental infections of two South American reservoirs with four distinct strains of *Trypanosoma cruzi*. Parasitology. 137: 959-966.
7. Brown, EL, **DM Roellig**, ME Gomper, RJ Monello, KM Wenning, MW Gabriel, and MJ Yabsley. 2010. Seroprevalence of *Trypanosoma cruzi* among twelve potential reservoir species from six states. Vector-borne and Zoonotic Diseases. 10: 757-763.

8. **Roellig, DM**, AE Ellis, and MJ Yabsley. 2009. Genetically different isolates of *Trypanosoma cruzi* elicit different infection dynamics in raccoons (*Procyon lotor*) and Virginia opossums (*Didelphis virginiana*). *International Journal for Parasitology*. 39: 1603-1610.
9. **Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2009. Oral transmission of *Trypanosoma cruzi* with opposing evidence for the theory of carnivory. *Journal of Parasitology* 95: 360-364.
10. Yabsley, Michael J.*, Emily L. Brown*, and **Dawn M. Roellig***. 2009. Evaluation of a rapid immunochromatographic assay for detection of *Trypanosoma cruzi* antibodies in wildlife reservoirs. *Journal of Parasitology*. 95:775-777. (*=contributed equally)
11. **Roellig, Dawn M.**, Emily L Brown, Christian Barnabé, Michel Tibayrenc, Frank J. Steurer, and Michael J. Yabsley. 2008. Molecular typing of human, vector, and reservoir isolates of *Trypanosoma cruzi* from the United States. *Emerging Infectious Diseases*. 14: 1123-1125.
12. Dorn, Patricia L., Leon Perniciaro, Michael J. Yabsley, **Dawn M. Roellig**, Gary Balsamo, James Diaz, and Dawn Wesson. 2007. Autochthonous transmission of *Trypanosoma cruzi*, Louisiana. *Emerging Infectious Diseases*. 13: 605-607.
13. Massung, Robert F., Nordin S. Zeidner, Marc C. Dolan, **Dawn Roellig**, Elizabeth Gabitzsch, Danielle R. Troughton, and Michael L. Levin. 2005. Prophylactic Use of Sustained-Release Doxycycline Blocks Tick-Transmitted Infection by *Anaplasma phagocytophilum* in a murine Model. *Annals of the New York Academy of Sciences*. 1063:436-8.

Continuing Education (Peer-Reviewed)

1. **Roellig, Dawn M.**, Jonathon Yoder, Michelle Hlavsa, Lihua Xiao, Michael Beach, Kate Awsumb. 2012. CryptoNet: Molecular-based tracking to better understand U.S. cryptosporidiosis transmission. *CDC Fact Sheet*.
2. **Roellig, Dawn M.** and Michael J. Yabsley. 2010. Chagas disease studies. *SCWDS Briefs* 25(4): 5-6.

Presentations

Invited Seminar or Symposium (◊ = international or national)

1. ◊**Dawn M. Roellig**. 2013. Invited panelist for Research!America's forum: "Neglected Tropical Disease Research in Louisiana: Saving Lives and Creating Jobs." New Orleans, LA.
2. ◊**Dawn M. Roellig**. 2012. CryptoNet: A DNA sequence and RFLP-based molecular surveillance network for cryptosporidiosis. NCEZID/DFWED/WDPB WASH webinar series. Atlanta, GA
3. ◊**Dawn M. Roellig**. 2012. CryptoNet: A DNA sequence and RFLP-based molecular surveillance network for cryptosporidiosis. Annual PulseNet/OutbreakNet meeting. Atlanta, GA.
4. **Dawn M. Roellig**. 2010. Scavengers and parasites: Deciphering the epizootiology of *Trypanosoma cruzi* in the United States. Given at Georgia Southern University Department of Biology Seminar Series.
5. **Dawn M. Roellig**. 2009. Genetic and biological diversity of *Trypanosoma cruzi* in the United States. Given at College of Charleston Department of Biology Seminar Series. Charleston, SC.
6. **Dawn M. Roellig**. 2009. Scavengers, parasites, and genes: Uncovering the epizootiology of *Trypanosoma cruzi* in the United States. Given at Berry College Biology Department Seminar Series. Rome, GA.
7. Kjos, Sonia, Michael J. Yabsley, Ellen Dotson, Paula Marcet, **Dawn Roellig**, Emily Blizzard, John Barnes, and Uriel Kitron. 2009. Characterization of Chagas Disease transmission in peridomestic settings in the southwestern United States. Annual meeting of Southeastern Society of Parasitologists. Murray, KY.
8. **Dawn M. Roellig**. 2008. The *Trypanosoma cruzi* genotype-host dichotomy and molecular characterization of isolates from the United States. Given at the Southwest National Primate Research Center, Southwest Foundation for Biomedical Research, San Antonio, TX.
9. ◊Yabsley, Michael J. and **Dawn M. Roellig**. 2008. Molecular characterization of *Trypanosoma cruzi* in the United States. Annual meeting of American Society of Tropical Medicine and Hygiene. New Orleans, LA.

Presented Papers or Seminars (◊ = international or national)

1. ◇Jamae F. Morris, A. Nuriddin, T. Hunte, V. Hill, L. Xiao, **D. Roellig**, A. DaSilva, J. Gargano, M. Beach, J. Yoder, J. Cope. 2013. PAM in Paradise: Primary Amebic Meningoencephalitis associated with the practice of religious nasal rinsing—St. Thomas, US Virgin Islands, 2012. Annual EIS Conference. Atlanta, GA.
2. **Dawn M. Roellig**. 2012. CryptoNet: A DNA sequence and RFLP-based molecular surveillance network for cryptosporidiosis. NCEZID/DFWED seminar series. Atlanta, GA
3. Edwards Jessica F., **Dawn M. Roellig**, Michael J. Yabsley. 2011. United States *T. cruzi* elicits a weaker pro-inflammatory response in mice than South American *T. cruzi*. Annual meeting of the Southeastern Society of Parasitologists. Helen, GA.
4. Teixeira MA, PL Dorn, **DM Roellig**, MJ Yabsley. 2011. Haplotype analysis of *Trypanosoma cruzi* from vertebrate reservoirs, vectors, and humans from different geographical regions of the United States. Annual meeting of the Southeastern Society of Parasitologists. Helen, GA.
5. ◇Gomez-Puerta, Luis, **Dawn M. Roellig**, Daniel G. Mead, Jesus A. Pinto-Caballero, Maritza M. Calderon, Jenny Ancca-Juarez, Victor Quispe-Machaca, Michael Z. Levy, Robert H. Gilman, Vitaliano A. Cama. 2010. Detection and persistence of host DNA in blood meals from *Triatoma infestans* using a novel molecular methodology. Annual meeting of American Society of Tropical Medicine and Hygiene. Atlanta, GA.
6. ◇**Roellig, Dawn M.** 2010. *Trypanosoma cruzi* in the United States: Molecular and biological characteristics of sylvatic isolates. International Congress of Parasitology. Melbourne, Australia.
7. ◇**Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2009. Oral transmission of *Trypanosoma cruzi* with opposing evidence for the role of carnivory in horizontal transmission. Annual meeting of American Society of Parasitologists. Knoxville, TN.
8. ◇**Roellig, Dawn M.**, A. Wendy Fujita, Mason Y. Savage, Emily L. Brown, and Michael J. Yabsley. 2009. Genotyping and evidence of genetic exchange in isolates of *Trypanosoma cruzi*. Annual meeting of American Society of Parasitologists. Knoxville, TN.
9. ◇**Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2009. Infections with geographically and genetically different strains of *Trypanosoma cruzi* in two North American reservoir hosts induce dissimilar infection dynamics. Annual meeting of American Society of Parasitologists. Knoxville, TN.
10. ◇**Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2009. Experimental infection of two South American animal reservoirs with distinct strains of *Trypanosoma cruzi*. Annual meeting of American Society of Parasitologists. Knoxville, TN.
11. ◇**Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2009. Evaluation of a rapid immunochromatographic assay for detection of *Trypanosoma cruzi* antibodies in wildlife reservoirs. Annual meeting of American Society of Parasitologists. Knoxville, TN.
12. ◇Kjos, Sonia, Michael J. Yabsley, Ellen Dotson, Paula Marcet, **Dawn Roellig**, Emily Blizzard, John Barnes, and Uriel Kitron. 2009. Characterization of Chagas Disease transmission in peridomestic settings in the southwestern United States. Annual meeting of James H. Steele Conference on Diseases in Nature Transmissible to Man. Fort Worth, TX.
13. **Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2009. Oral transmission of *Trypanosoma cruzi* with opposing evidence for the role of carnivory in horizontal transmission. Annual meeting of Southeastern Society of Parasitologists. Murray, KY.
14. ◇**Roellig, Dawn M.**, Katherine McMillan, Angela E. Ellis, and Michael J. Yabsley. 2009. Infection dynamics of two North American *Trypanosoma cruzi* reservoirs (*Procyon lotor* and *Didelphis virginiana*) with genetically distinct isolates of the parasite. European Wildlife Disease Association. Veyrier-du-Lac, France. (poster)
15. ◇Yabsley, Michael J., Emily L. Brown, and **Dawn M. Roellig**. 2008. Evaluation of a rapid immunochromatographic assay for detection of *Trypanosoma cruzi* antibodies in wildlife reservoirs. Annual meeting of American Society of Tropical Medicine and Hygiene. New Orleans, LA.
16. **Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2008. Infections with geographically and genetically different strains of *Trypanosoma cruzi* in two North American reservoir hosts. CTEGD Molecular Parasitology and Vector Symposium. Athens, GA. (poster)

17. Savage Mason Y., **Dawn M. Roellig**, and Michael J. Yabsley. 2008. Characterization of *Trypanosoma cruzi* from the United States. Science of Veterinary Medicine Research Day. Athens, GA. (poster)
18. **Roellig, Dawn M.**, Angela E. Ellis, and Michael J. Yabsley. 2008. Oral transmission of *Trypanosoma cruzi* with opposing evidence for the role of carnivory in horizontal transmission. Annual meeting of American Association of Veterinary Parasitologists. New Orleans, LA.
19. **Yabsley, Michael J.**, Emily L. Brown, and **Dawn M. Roellig**. 2008. Evaluation of a rapid immunochromatographic assay for detection of *Trypanosoma cruzi* antibodies in wildlife reservoirs. Annual meeting of American Association of Veterinary Parasitologists. New Orleans, LA.
20. Savage, Mason Y., Michael J. Yabsley, and **Dawn M Roellig**. 2008. Characterization of *Trypanosoma cruzi* from the United States. Georgia Veterinary Scholars Research Day. Athens, GA.
21. Brown, Emily L., Mourad Gabriel, Matthew Gompper, Ryan Monello, **Dawn M. Roellig**, Krista M. Wenning, and Michael J. Yabsley. 2008. Seroprevalence of *Trypanosoma cruzi* in mammals of the United States. Warnell Graduate Student Symposium. Athens, GA.
22. **Savage, Mason Y.**, Michael J. Yabsley, and **Dawn M Roellig**. 2008. Characterization of *Trypanosoma cruzi* from the United States. Annual Merck/Merial Veterinary Scholars Symposium. East Lansing, MI.
23. **Roellig, Dawn M.**, Angela A. Ellis, and Michael J. Yabsley. 2008. Infections with geographically and genetically different strains of *Trypanosoma cruzi* in two North American reservoir hosts induce dissimilar infection dynamics. Annual meeting of Southeastern Society of Parasitologists. Spartanburg, SC.
24. **Roellig, Dawn M.**, Katherine McMillan, Angela A. Ellis, and Michael J. Yabsley. 2008. Experimental infection of two South American animal reservoirs with distinct strains of *Trypanosoma cruzi*. Annual meeting of Southeastern Society of Parasitologists. Spartanburg, SC. (poster)
25. Brown, Emily L., **Dawn M. Roellig**, and Michael J. Yabsley. 2007. Seroprevalence of *Trypanosoma cruzi* in mammals from the southeastern United States. Georgia Chapter of The Wildlife Society. Athens, GA.
26. **Yabsley, Michael J.**, **Dawn M. Roellig**, Emily L. Brown, A. Wendy Fujita, and Mason Y. Savage. 2007. Epidemiology of *Trypanosoma cruzi* from the southeastern United States. Annual meeting of American Society of Tropical Medicine and Hygiene. Philadelphia, PA.
27. **Yabsley, Michael J.**, **Dawn M. Roellig**, Emily L. Brown, A. Wendy Fujita, and Mason Y. Savage. 2007. Natural history of and evidence for genetic exchange in *Trypanosoma cruzi* from the southeastern United States. Annual meeting of American Association of Veterinary Parasitologists. Washington, D.C.
28. **Roellig, Dawn M.** and Quentin Q. Fang. 2007. Detection of *Anaplasma phagocytophilum* in ixodid ticks from equine habitats in the Southeastern United States of America. Annual meeting of American Society for Rickettsiology. Colorado Spring, CO.
29. **Brown, Emily L.**, **Dawn M. Roellig**, and Michael J. Yabsley. 2007. Seroprevalence of *Trypanosoma cruzi* from raccoons and opossums from Georgia. Annual meeting of Wildlife Disease Association. Estes Park, CO. (poster)
30. **Roellig, Dawn M.**, Angela Ellis, and Michael J. Yabsley. 2007. Implications of mesomammal scavenging behavior on the horizontal transmission of *Trypanosoma cruzi* in North America. Annual meeting of Wildlife Disease Association. Estes Park, CO. (poster)
31. **McMillan, Katherine**, **Dawn M. Roellig**, and Michael J. Yabsley. 2007. Infection dynamics of *Trypanosoma cruzi* strains from North and South American in degus (*Octodon degus*) and short-tailed opossums (*Monodelphis domestica*). Annual Merck/Merial Veterinary Scholars Symposium. Bethesda, MD.
32. **McMillan, Katherine**, **Dawn M. Roellig**, and Michael J. Yabsley. 2007. Infection dynamics of *Trypanosoma cruzi* strains from North and South American in degus (*Octodon degus*) and short-tailed opossums (*Monodelphis domestica*). Annual Veterinary Research Day. College of Veterinary Medicine. Athens, GA.
33. **Roellig, Dawn M.**, A. Wendy Fujita, Mason Y. Savage, and Michael J. Yabsley. 2007. Molecular characterization and evidence of genetic exchange in U.S. isolates of *Trypanosoma cruzi*. Annual meeting of American Society of Parasitologists. Merida, Mexico.

34. ◇Yabsley, Michael J., Emily L. Brown, Krista M. Wenning, and **Dawn M. Roellig**. 2007. *Trypanosoma cruzi* in mesomammals from Arizona and Georgia. Annual meeting of American Society of Parasitologists. Merida, Mexico.
35. ◇Dorn, Patricia L., Leon Perniciaro, Michael J. Yabsley, **Dawn M. Roellig**, Gary Balsamo, James Diaz, and Dawn Wesson. 2007. First report of autochthonous transmission of the Chagas parasite, *Trypanosoma cruzi*, in Louisiana and sixth in United States. Annual meeting of American Society of Parasitologists. Merida, Mexico.
36. **Roellig, Dawn M.**, A. Wendy Fujita, Mason Y. Savage, and Michael J. Yabsley. 2007. Molecular characterization of U.S. isolates of *Trypanosoma cruzi*. Annual meeting of Southeastern Society of Parasitologists. Georgetown, SC.
37. ◇Massung, Robert F., Nordin S. Zeidner, Marc C. Dolan, **Dawn Roellig**, Elizabeth Gabitzsch, Danielle R. Troughton, and Michael L. Levin. Prophylactic use of sustained-release doxycycline blocks tick-transmitted infection by *Anaplasma phagocytophilum* in a murine model. 4th International Conference on Rickettsiae and Rickettsial Diseases. La Rioja, Spain.
38. ◇Levin, Michael L., **Dawn Roellig**, Danielle Ross, and Robert F. Massung. 2004. Dynamics of acquisition and transstadial transmission of *Anaplasma phagocytophilum* by *Ixodes scapularis* larvae. Annual meeting of Entomological Society of America. Salt Lake City, UT.

Professional and Academic Associations

American Society of Parasitologists (ASP)
National Scholars Honor Society

Southeastern Society of Parasitologists (SSP)
American Society of Tropical Medicine and Hygiene (ASTMH)