

Curriculum Vitae

AUTUMN J. SMITH - HERRON

Sam Houston State University
Texas Invasive Species Institute
2424 Sam Houston Ave., Ste. B-8
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EDUCATION

Texas A&M University-Kingsville – Ph.D. Wildlife Science, 2008.

Sam Houston State University – M.S. Biological Science/Parasitology, 2005.

Peru State College – B.S. Biological Science/Chemistry/Parasitology, 2003.

PROFESSIONAL EXPERIENCE and APPOINTMENTS

Director – (TISI) Texas Invasive Species Institute – Sam Houston State University (November 2011 – Present)

Research Scientist - Sam Houston State University, Texas Invasive Species Institute; (August 2011 – Present)

Adjunct Professorship: Sam Houston State University, Department of Biological Sciences, Huntsville, Texas. (August 2009 – Present)

Adjunct Professor of Biological Sciences.

Courses Taught: University 1301: First Year Experience (fall, 2016, fall 2017)
Independent study in Histology and Microtechniques, (spring 2012)
Independent study in Parasitology, (fall 2012, 2014)
Contemporary Biology (fall 2009, fall 2010)
Histology (spring 2010; spring 2014)
Human Anatomy (spring 2010, fall 2010, spring 2011, summer 2011)
Human Physiology (Spring 2011)
Histology and Microtechniques-595 (fall 2009, spring 2010, fall, 2010, spring 2011, fall 2012, spring, 2014)

Sam Houston State University Parasite Museum Curator (June 2011 – Present)
-Curator for Sam Houston State University Invertebrate/Parasite Museum.

Post-Doctoral Fellow: (March 2009 – December 2010)
Gregarine Biodiversity within the Big Thicket National Park, Texas

Texas A&M University-Kingsville, Research/Teaching Assistant (August 2005 – 08)

- Helminth community ecology of gizzard worms of green-winged teal.
- Helminth community ecology of gizzard worms of northern shovelers.
- Parasite community structure in six species of south Texas doves.
- Graduate Teaching Assistant-Department of Animal Science, Texas A&M.
- Survey for *Trichomonas gallinae* in a Columbidae Community in South Texas.

Texas A&M University-Kingsville Invertebrate Curator (August 2005-December 2005)

Sam Houston State University, Research/Teaching Assistant (August 2003 - 05)

- Summer Research Assistantship funded through the Federal Appropriation of the Department of Homeland Security. Detection, testing, mapping and movement of carriers of deadly disease: disease vector studies along the U.S. - Mexico border and their potential threat to Homeland Security.
- Gregarine systematics, taxonomy, and host specificity.
- Graduate Teaching Assistant-Department of Biological Science (5 sections of Contemporary Biology, 2 sections of Environmental Science, and 2 sections of Histology and Microtechniques).

Peru State College, Research Assistant (August 2000-2003)

- Undergraduate research in gregarine taxonomy and chemotherapeutic/prophylactic control protocols.

United States Navy NEC (8408) Combat Medic (June 1989-1999)

United States Navy Reserves NEC (8408) Combat Medic (June 2000-2002)

GRADUATE RESEARCH STUDENTS (Advisory Committees), * indicates co-advisor

- Christian Mandujano, Sam Houston State University: Investigating the effects of *Ophryocystis elektroscirrha* on the Monarch Butterfly (*Danaus plexippus*). 2017 – Present.
- Kylee Kleiner, Sam Houston State University: Fine structure analysis of the fossorial fore legs of Gryllotalpidae (Orthoptera) diversity driven by soil variation. 2015 – Present.
- *Danielle Traub, Sam Houston State University: Parasite Community Ecology and Parasite Transmission Dynamics of the Invasive Lion Fish, 2015 – December 2017.
- Faith Byrd, Sam Houston State University: A Comparison of Ectoparasite Diversity in three North American Songbirds, 2014 - Present
- *Nikki Traub, Sam Houston State University: Parasite Community Ecology of Arctic Breeding Waterfowl, 2014 – 2017.
- Kameron Soules, Sam Houston State University: Gregarine parasite gametocysts and oocyst development and viability, 2014 – 2015.
- Vanessa A. Brashear, Sam Houston State University: Spatial and temporal patterns of gregarine infections in damselfly naiads in the Texas Big Thicket, 2012 – 2014.
- Stephanie Staicer, Sam Houston State University: Spatial and temporal patterns of gregarine infections in damselflies of Texas in four different locations, 2011-2014
- Amber Bartelt, Sam Houston State University: A survey of gregarine parasites in Texas grasshoppers (Orthoptera: Acrididae), 2011- 2012
- *Chris Boesen, Sam Houston State University: Helminth community ecology in three species of columbids residing in East Texas, 2009-2011

PUBLICATIONS

- Autumn J. Smith-Herron** and Tamara J. Cook. 2018. Gregarines infecting *Ischnura* spp. in Louisiana, U.S.A. including description of *Geneiorhynchus gradalis* n. sp. (Apicomplexa: Actinocephalidae: Actinocephalinae) from *Ischnura ramburii* (Odonata: Zygoptera) in St. John the Baptist Parish, Louisiana. *Journal of Parasitology*. 85:1 42-47.
- Morgan, Ashley, R., Katerina Graham, Corey Green, and **Autumn J. Smith-Herron** 2017. Distribution of the Invasive Redbay Ambrosia Beetle *Xyleborus glabratus* in Southeastern Texas. *Southwestern Naturalist* 62: 300-302.
- Herrera, Alexandra, **Autumn Smith-Herron**, Nicole Traub, Kristina Yount, and Brian R. Chapman. 2017. Prevalence of Honey Bee (*Apis mellifera*) parasites across Texas. *Southwestern Naturalist* 62: 255-262.
- Morgan, Ashley and **Autumn J. Smith**. 2017. Red-Streaked Leafhopper and King Ranch Bluestem: Evaluating the Relationship between Two Invasives. *Earthzine*. 17:12.
- Weidler, J.M., M.L. Thies, **A. Smith-Herron**, E.J. Tivador III, E.D. Roth, W.I. Lutterschmidt. 2017. *Agkistrodon piscivorus leucostoma* (western cottonmouth) - Unusual field injury. *Herpetological Review*. 48:3 664-665.
- Griffin, Shane L., Nichole Carpenter, **Autumn Smith-Herron**, and Kristin Herrmann. 2017. Microhabitat selection and eyefluke infection levels in the Western Mosquitofish (*Gambusia affinis*). *Journal of Parasitology* 103: 1-5.
- Amundson, C. L., N. J. Traub, **A.J. Smith-Herron**, and P.L. Flint. 2016. Helminth community structure in two species of arctic-breeding waterfowl. *International Journal for Parasitology: Parasites and Wildlife*. 5: 263-272.
- Wilson, Christopher M., **Autumn Smith-Herron**, and Jerry L. Cook. 2016. Morphology of the male genitalia of *Brachymyrmex* and their implications in the Formicinae phylogeny. *Journal of Hymenoptera Research* 50: 81-95.
- Sisson, M.S., J. L. Cook, T. J. Cook, and **A.J. Smith-Herron**. 2016. Combined molecular and morphological analysis of two morphs of *Argia apicalis* (Odonata: Coenagrionidae) for species delineation. *Florida Entomologist* 99: 1-8.
- Andrea Bruno, Alan M. Fedynich, **Autumn Smith-Herron**, and Dale Rollins. 2014. Pathological response of Northern Bobwhites to *Oxyspirura petrowi* infections. *Journal of Parasitology*. 101(3): 364-368.
- Smith-Herron, A. J.** 2014. *Hoplorhynchus aster* n. sp. (Apicomplexa: Actinocephalidae: Menosporinae) and *Anquiloformes marcelyni* n. gen., n. sp. (Apicomplexa: Actinocephalidae: Acanthosporinae) infecting *Ischnura ramburii* and *Enallagma civile* (Zygoptera: Coenagrionidae) from Texas, U.S.A. *Comparative Parasitology*. 82(2): 211-218.
- Smith-Herron, A. J.**, and Tamara J. Cook. 2014. *Setasedecim fursus* n. gen., n. sp. (Apicomplexa: Actinocephalidae: Acanthosporinae) from *Ischnura ramburii* (Odonata: Zygoptera) in Imperial County California U.S. A. *Comparative Parasitology*. 81(1) 79-84.
- Smith-Herron, A. J.**, Jerry L. Cook, and Tamara J. Cook. 2014. *Brevispina tasii* (Brevispinidae) n. fam., n. gen., n. sp. (Apicomplexa: Eugregarinida: Stenophoroidea) parasitizing the crane fly *Tipula umbrosa* (Diptera: Tipulidae: Tipulinae) from east Texas leaf litter. *Comparative Parasitology*. 81: 1-9.
- Cook T. J. and **A. J. Smith Herron**. 2014. Gregarines infecting *Ischnura* spp. In Texas, U.S.A. including description of *Septemlaterospora raspberryi* n. gen. n. sp. (Apicomplexa: Actinocephalidae: Acanthosporinae) and revision of *Steganorhynchus dunwoodyi* (Apicomplexa: Actinocephalidae: Menosporinae). *Journal of Parasitology*. 100(1): 99 – 105.

- Morgan A. R., **Autumn J. Smith-Herron**, Jerry L. Cook. 2013. Rapid spread of *Balclutha rubrostriata* (Hemiptera: Cicadellidae) in Texas and southwestern Louisiana, USA with notes on its associated host plants. *Florida Entomologist* 96:477-481.
- Lutterschmidt, W.I., **A.J. Smith**, E.J. Tivador III and H.K. Reinert. 2012. Diagnostic Classification of Connective Tissue Encapsulating Transmitters and Data Acquisition Units: Evidence for Not Modifying a Classic Surgical Implantation Method. *Herpetological Review* 43(3): 381-385.
- Smith, Autumn J.** and Alan M. Fedynich. 2012. Helminth Community Composition, Structure, and Pattern in Six Dove Species (Columbiformes: Columbidae) of South Texas. *Journal of Parasitology* 98(1): 11-21.
- Autumn J. Smith** and Tamara J. Cook. 2012. Revision of the Genus *Prismatospora* and description of *Prismatospora cloptoni* n. sp. (Apicomplexa: Actinocephalidae: Acanthosporinae) from naiads of the Green Darner, *Anax junius* (Odonata: Anisoptera: Aeshnidae), in East Texas, U.S.A. *Comparative Parasitology*. 79(1): 9-14
- Drew A. Garrison, Alan M. Fedynich, **Autumn J. Smith**, Pamela J. Ferro, David A. Butler, Markus J. Peterson, and Blanca Lupiani. 2011. Ingestion of Lead and Nontoxic Shot by Green-winged Teal (*Anas crecca*) and Northern Shovelers (*Anas clypeata*) from the Mid-Gulf Coast of Texas USA. *Journal of Wildlife Diseases* 47(3): 784-786.
- Richard W. Gerhold, Michael J. Yabsley, **Autumn J. Smith**, Ellissa Ostergaard, William Mannan, Jeff D. Cann, and John R. Fischer. 2008. Identification of *Trichomonas vaginalis*-Like Cryptic Species on the *Trichomonas gallinae* Morphologic Complex. *Journal of Parasitology* 94: 1335-1341.
- Autumn J. Smith** and Tamara Cook. 2008. Host Specificity of Eugregarinida among six species of cockroaches (Order: Blattoidea). *Comparative Parasitology* 75: 288-291.
- Autumn J. Smith**, Tamara J. Cook, and William I. Lutterschmidt. 2007. Effects of Temperature on the development of *Gregarina cubensis* (Apicomplexa: Eugregarinida) parasitizing *Blaberus discoidalis* (Blattaria: Blaberidae). *Journal of Parasitology* 93: 583-588.
- Tamara Cook and **Autumn J. Smith**. 2004. The Microscope and Diversity of Life (chapter 7), *Contemporary Laboratory Manual*.
- Autumn J. Smith** and Richard E. Clopton. 2003. The Efficacy of Oral Metronidazole and Potassium Sorbate against two Gregarine Parasites, *Protomagalhensia granulosa* and *Gregarina cubensis* (Apicomplexa: Eugregarinida), infecting the Death's Head Cockroach, *Blaberus discoidalis*. *Comparative Parasitology* 70: 196-199.
- Richard E. Clopton and **Autumn J. Smith**. 2002. Efficacy of Oral Sulfadimethoxine against two Gregarine Parasites, *Protomagalhaensia granulosa* and *Gregarina cubensis* (Apicomplexa: Eugregarinida), infecting the Death's Head Cockroach, *Blaberus discoidalis*. *Journal of Parasitology* 88: 786-789.

POPULAR ARTICLES (MAGAZINE)/ARTICLE INTERVIEWS

An Interview with Dr. Autumn Smith-Herron from the Texas State University System's Texas Invasive Species Institute; by Matt Fuller Ph.D. Montgomery County Beekeepers Association. 2017. *In Journal of the Texas Beekeepers Association* 17:2 12-14.

Stephen Taylor. Big doves causing big problems. 2013. *In The Modesto Bee*, Modesto California 95354.

Autumn J. Smith and Alan Fedynich. 2008. *South Texas Mourning Doves*, in *The South Texas Wildlife* 12(1): 3-4.

Timothy J. Ludwick, **Autumn J. Smith**, and Alan M. Fedynich. 2009. News from the Caesar Kleberg Wildlife Research Institute at Texas A&M University-Kingsville. *The Eurasian Collared-Dove: A New South Texas Resident* in Texas Wildlife 24(10): 22-23

INVITED SEMINARS

Smith-Herron, Autumn 2016. Walker County Beekeepers Association. Statewide update on emerging pests of honeybees and the status of pollinator health in the state of Texas.

Smith-Herron, Autumn 2016. Texas Invasives Coordinating Committee. Regional update on the Texas Invasive Species Institute Research activities.

Smith, Autumn. 2011. Parasites of Doves and Pigeons: the benefits and consequences of shooting the messenger. Sam Houston State University Department of Biological Sciences Departmental Seminar Series.

PRESENTATIONS AT PROFESSIONAL SCIENTIFIC CONFERENCES (* indicates student presentations)

American Fisheries Society

- Fisheries Ecosystems: Uplands to Oceans – Recent Progress in Lionfish Research and Management. August 2017

7th North American Duck Symposium

- Infection Dynamics of Helminths in Arctic and Sub-arctic Breeding Geese. February 2016

Texas Invasive Plant and Pest Conference

- *Parasite richness and abundance in *Pterois volitans* along the Gulf of Mexico. 2016
- TPWD's ecological systems classification and mapping project data applied to invasive and endangered species. 2016.
- The Prevalence of *Balclutha rubrostriata* (Hemiptera: Cicadellidae) in Texas and Southwestern Louisiana, USA and its association with King Ranch Bluestem, *Bothriochloa ischaemum* var. *songarica*. 2014
- Early detection and the rapid response to natural and domestic blueberry plant Pests (*Drosophila suzukii* and *Rhagoletis mendax*) in Texas. 2014
- Evaluation of Parasitic Diseases of the Eurasian Collared-Dove, *Streptopelia decaocto* (Columbiformes: Columbidae) and their Ecological Impacts on Native Dove Species, 2011
- The Potential Negative Effects of the Invasive Red-Streaked Leafhopper *Balclutha rubrostriata* (Melichar, 1903) (Hemiptera: Cicadellidae) on Texas Grasslands, 2011

American Society of Parasitologists

- *Comparative Helminth Community Structure in Two Species of Arctic-nesting Waterfowl: Black Brant (*Branta bernicla nigricans*) and Greater White-fronted Geese (*Anser albifrons*), 2015
- *Microhabitat Selection and Eyefluke Infection Levels with Western Mosquitofish (*Gambusia affinis*), 2015.
- *Eugregarine infection patterns of damselfly naiads in the southwestern piney woods, Texas
- Intestinal Helminths from 6 species of doves residing in south Texas, 2008.
- Influence of diet on Helminth species richness in south Texas doves, 2008.
- Host specificity of 5 species of Eugregarinida among 6 species of tropical cockroaches, 2005.
- Comparative oocyst ultrastructure of Eugregarines parasitizing the death's head cockroach, *Blaberus discoidalis*, 2005.

Southwestern Association of Parasitologists (* indicates student presentations)

- * Comparative Helminth Community Structure in Two Species of Arctic-nesting Waterfowl: Black Brant (*Branta bernicla nigricans*) and Greater White-fronted Geese (*Anser albifrons*), 2015
- * Microhabitat Selection and Eyefluke Infection Levels with Western Mosquitofish (*Gambusia affinis*), 2015.
- * Andrea Bruno, Alan M. Fedynich, Autumn Smith-Herron, and Dale Rollins. The effects of *Oxyspirura petrowi* on northern bobwhite quail cornea and intraorbital glandular tissue (2014)
- * Spatial and Temporal Patterns of Gregarine Infections in Damselflies in Four Texas Ecoregions (2013)
- * Pentastomes (Pentastomida: Cephalobaenida) Isolated from the Endangered Rattlesnake, *Crotalus durissus unicolor* from Aridod National Park, Aruba (2012)
- * Gizzard Helminths of Northern Shoveler (*Anas clypeata*) and Green-winged Teal (*Anas carolinensis*) (2012)
- A survey for *Trichomonas gallinae* in 6 species of doves residing in south Texas, 2008.
- Using the host – parasite model to assess the influence of exotic doves on native doves, 2008.
- Helminths of common ground doves occurring in south Texas, 2007.
- Survey for *Trichomonas gallinae* in common ground doves from south Texas, 2007.
- Host specificity of 5 species of Eugregarinida among 4 species of cockroaches (Blaberidae). 2005.
- Efficacy of oral Metronidazole and Potassium Sorbate as Gregarinostats, 2005.
- Efficacy of Sulfadimethoxine as a Gregarinostat. 2003.

Wildlife Disease Association

- Comparison of prevalence of *Trichomonas gallinae* between the mourning dove and the white-winged dove in south Texas, 2007
- Helminth assemblages in common ground doves and Inca doves from south Texas, 2007.
- Prevalence of *Trichomonas gallinae* in an Eurasian collared dove population in south Texas, 2006.

Entomological Society of America (ESA)

- Cuticular differentials between prothoracic, mesothoracic, and metathoracic legs seen in Gryllotalpidae (Orthoptera), 2018
- Prevalence of honeybee (*Apis mellifera*) parasites across Texas, 2017
- Combined molecular and morphological analysis of two morphs of *Argia apicalis* (Odonata: Coenagrionidae) for species delineation.
- * Morphology of the male genitalia in *Brachymyrmex* Mayr (Hymenoptera: Formicidae), and their implications to the Formicine phylogeny

TAMUS Pathways Student Research Symposium

- Survey for *Trichomonas gallinae* in common ground doves from south Texas, 2006.

Sam Houston State University

- Parasites of Doves and Pigeons: the benefits and consequences of shooting the messenger. Departmental Seminar Series, 2011.
- Studies of the development, thermal limits and host specificity of several species of Eugregarinida infecting tropical cockroaches, 2005.

Texas Academy of Science

- * Honey Bee health in Texas: A comprehensive Survey. 2017
- * Correlating ontogeny and morphometry with parasite richness and abundance in *Pterois volitans* along the Gulf of Mexico. 2017

- * Comparative helminth community structure in two species of arctic-nesting waterfowl: black brant (*Branta bernicula nigricans*) and greater white-fronted geese (*Anser albifrons*)
- Balclutha rubrostriata* (Hemiptera: Cicadellidae) in Texas and Southwestern Louisiana, USA and associated host plants, 2013
- A temperature study on the development and viability of gregarine parasites infecting the death's head cockroach (*Blaberus discoidalis*), 2005.

PROFESSIONAL DEVELOPMENT

- Sponsor, North American Invasive Species Management Association, 2017. Reno Nevada
- Chair, Texas Invasive Plant and Pest Conference, 2016. Sam Houston State University.
- Texas Invasive Plant and Pest Conference, University of Texas at Austin Marine Science Institute, Port Aransas Texas. Attendee and Sponsor. 2014.
- National Invasive Species Awareness Week – Conference and Workshop. Washington D.C. Attendee. 2012
- East Texas Forest Entomology Seminar, Nacogdoches Texas. Attendee. 2011
- Texas Invasive Plant and Pest Conference, Lady Bird Johnson Wildflower Center, Austin Texas. Attendee and Sponsor. 2011.

PEER REVIEW SERVICES IN PROFESSIONAL SCIENTIFIC JOURNALS

Biological Invasions (1)
 Biological Sciences (1)
 Revista Brasileira de Parasitologia Veterinária (3)
 Austin Journal of Veterinary Science & Animal Husbandry (1)
 Journal of Veterinary Sciences and Technology (1)
 Journal of Veterinary Sciences (1)
 Human and Ecological Risk Assessment: An International Journal (1)
 Life Sciences (1)
 Invertebrate Pathology (1)
 Comparative Parasitology (10)
 International Journal of Plant Physiology and Biochemistry (1)
 Proceedings of the Entomological Society of Washington (3)
 The Southwestern Naturalist (3)
 The Journal of Parasitology (6)
 ANNALES, Annals for Istrian and Mediterranean Studies *Series Historia Naturalis* (1)
 National Plant Disease Recovery System (NPDRS) (1)
 Acta Protozoologica (2)
 Western North American Naturalist (2)
 Journal of Coastal Life Medicine (1)
 Helminthologia (1)

INVITED DOCUMENT REVIEWS

Recovery Plan-USDA APHIS 2013. *Cotton Leaf Curl Viral Disease Complex Caused by Cotton leaf curl virus complex (Begomovirus, Geminiviridae)*: A group of whitefly-transmitted ssDNA viruses with ssDNA satellites, causing leaf curl disease of cotton, vegetables, and ornamentals

BOOK REVIEW SERVICES

Howard, T. M., T. R. Alter, P. F. Frumento, and L. J. Thompson. 2018. Community Pest Management in Practice; A Narrative Approach. Springer Nature Singapore Pt. Ltd., Singapore 245pp.

Doughty, Robin and Matt Turner. 2017. Unnatural Texas? Why we should Care about Invasive Species and how we can deal with them. Texas University Press, College Station, Texas. 298pp.

Broyles, Robert B. Jr. 2012. Workbook to Accompany Anatomy and Physiology Revealed Version 3.0. ISBN 978-0-07-340367-0. McGraw Hill. 736pp.

GRANTSMANSHIP

(Funded grants):

Autumn Smith-Herron and Ashley R. Morgan. 2018 UDSA APHIS Farm Bill 10007: G1_TX_0125_ Exotic Wood Borer/Bark Beetle Bundled Survey. PI Smith-Herron. Amount Received \$43,000.

Autumn J. Smith-Herron. 2016. Pest, Plant, and Pollinator Outreach and Education Program. USDA APHIS Farm Bill Section 10007. G5.TX.0081. \$28,707.00.

Autumn J. Smith-Herron. 2016-17. Identification of Helminths and their Intermediate Hosts at High Latitudes. USGS Grant # FOAAS0000300072. \$25,000.00

Autumn J. Smith-Herron and Brian Chapman. 2016. Development of Resources for Early Detection of Existing and Emerging Parasites Infesting Honey Bees in Texas. USDA APHIS Farm Bill Section 10007. G3.TX.0069. \$39,208.00

Autumn J. Smith-Herron. 2016. Exotic Wood Boring Bark Beetle Survey. USDA APHIS Farm Bill Section 10007. G1.TX.0062. \$135,010.00

Autumn J. Smith-Herron. 2016. Pest, Plant, and Pollinator Outreach and Education Program. USDA APHIS Farm Bill Section 10007. G5.TX.0183. \$19,100.26.

Autumn J. Smith-Herron. 2015. U.S. Prevalence, Intensity, and Identification of Parasites in Arctic Breeding Waterfowl. USGS Grant # G15AS00003. \$12,000.00

Brian Chapman and Autumn J. Smith-Herron. 2015 Development of Resources for Early Detection of Existing and Emerging Parasites Infesting Honey Bees in Texas. USDA APHIS Farm Bill Section 10007. \$40,813.00

Autumn J. Smith-Herron 2015 (PI): Prevalence, intensity, and Geographic variation of parasites in arctic breeding waterfowl. USGS Grant # G14AC00180. Amount received \$45,000.

Jerry L. Cook (PI) and Autumn J. Smith-Herron 2014 (Co-PI): Aquatic Ecosystem Health and Rare Species Surveys at Texas National Guard Training Centers. Adjutant General's Department Texas Army National Guard, Austin Texas. 2013. Amount received \$ 159,520.

Tamara J. Cook (PI) and Autumn J. Smith-Herron 2013 (Co-PI) Gregarines parasitizing Zygoptera along the U.S. Gulf Coast. 2013 Enhancement Research Grant (ERG). Amount received \$15,000.00

Autumn J. Smith-Herron (PI) 2012. ATBI: Survey and Inventory of Odonates and Their Gregarines within the Primitive Texas Big Thicket. Application Number: 70286. Amount Requested \$3,000.00

Big Thicket Association. 2011. Thicket of Diversity, Big Thicket National Preserve: Survey of Big Thicket Odonates: Preliminary Survey and Inventory of Odonates of the Primitive Texas Big Thicket 2010-2011. \$3,000.00.

CONTRACTS RECEIVED

Autumn J. Smith-Herron. 2015. Emerald Ash Borer (EAB) Detection Survey. A cooperative program between the Texas A&M Forest Service, Texas A&M AgriLife Extension Service, the United States Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant and Protection Quarantine, and Sam Houston State University (SHSU). Subcontract #: EAB-02-15 Federal Award #: 13-8448-1517-CA. \$35,250.00

Autumn J. Smith-Herron. 2015. Histological examination of gastric tissues and helminth parasites of Scaled Quail from the Rolling Plains Ecoregion. Funding (#570030). \$2,000.00.

Jerry L. Cook and Autumn J. Smith-Herron. 2014. Emerald Ash Borer (EAB) Detection Survey. A Cooperative Program Between the Texas A&M Forest Service, Texas A&M AgriLife Extension Service, the United States Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), Plant and Protection Quarantine, and Sam Houston State University (SHSU). Grant Number EAB-02-14. Federal Program 14-8448-1517-CA; CFDA Number 10.025. Grant Amount: \$95,940.00

Autumn J. Smith-Herron. 2013 – 2014. Histological examination of ocular tissue and intraocular glands of the Northern Bobwhite Quail infected with the eye worm *Oxyspirura petrowi*: A Cooperative project between with Texas A&M University-Kingsville. (Amount received \$2,000)

Jerry L. Cook and Autumn J. Smith-Herron. 2013. Emerald Ash Borer Detection Survey in Texas: A Cooperative Project between the Animal and Plant Health Inspection Service and Texas A&M Forest Service and subcontracted through the Institute for the Study of Invasive Species, Sam Houston State University (amount received: \$ 5,400.00)

Jerry L. Cook and Autumn J. Smith-Herron. 2012. Emerald Ash Borer Detection Survey in Texas: A Cooperative Project between the Animal and Plant Health Inspection Service and the Institute for the Study of Invasive Species, Sam Houston State University (amount received \$94,000)

PROFESSIONAL MEMBERSHIPS

Helminthological Society of Washington (2018-Present)
Texas Lionfish Control Unit (2017-Present)
Texas Invasive Plant and Pest Council (2011-Present).
Tri-Beta National Honors Society (2003-Present).
Southwestern Association of Parasitologists (2000-Present).
American Society of Parasitologists (2002-Present).
Wildlife Disease Association (2005-Present).
Big Thicket Association (2010 – Present).

SERVICES and POSITIONS HELD

- American Society of Parasitologists Priorities and Planning Committee 2017-Present
- Southwestern Association of Parasitologists Secretary/Treasurer 2017-Present
- Lionfish Task Force member, Texas Parks and Wildlife Department 2017-present
- USDA APHIS PPQ Farm Bill 10007 Goal 1 Analysis Panel, 2016-17
- President – Texas Invasive Plant and Pest Council (2016-2018)
- American Society of Parasitologists Student Awards Committee, 2015-16
- USDA APHIS PPQ Farm Bill 10007 Goal 1 Analysis Panel, 2015-16
- Sam Houston State University Institution Animal Care and Use Committee (IACUC), 2015-present
- Journal of Coastal Life Medicine (ISSN: 2309-5288; CODEN: JCLMC4- Executive Editorial Board Member 2014 - Present
- Vice President - Texas Invasive Plant and Pest Council (2013 – 2014)
- FY15 Farm Bill Goal 1 Analysis Panel; USDA APHIS PPQ proposal review team; 2014-15
- Curator Encyclopedia of Life (EOL) (2010-Present)
- Curator Odonata Central (OC) (2010-Present)
- American Society of Parasitologists Tellers Committee 2013 – 2015
- Sam Houston State University Center for Biological Field Studies Committee 2013 – Present

HONORS and AWARDS

W³ honor (creative excellence on the Web), 5 silver Award winner for Texas Invasive Species Website – Category: Education, Environmental Awareness, Structure and Navigation, Visual Appeal and School/University

RESEARCH INTERESTS

I am a Parasitologist, specializing in host/parasite ecology as well as the epidemiology of parasitic diseases transmitted from introduced to native species. I am also interested in the histopathology that occurs during infection. My current research encompasses host parasitic models ranging from the protozoans of invertebrates to the Helminth communities within birds and mammals.