

## **BRENT E. HENDRIXSON**

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### **EDUCATION**

- Ph.D. (Biology), East Carolina University, 2006
- M.S. (Biology), West Texas A&M University, 2002
- B.A. (Biology), University of Northern Colorado, *Summa Cum Laude*, 1999

### **ACADEMIC POSITIONS HELD**

- Professor of Biology, Millsaps College, 2018–Present
- Associate Professor of Biology, Millsaps College, 2014–2018
- Assistant Professor of Biology, Millsaps College, 2008–2014
- Research Associate of Zoology, Denver Museum of Nature & Science, 2015–Present
- Teaching Assistant Professor of Biology, East Carolina University, 2008
- Visiting Instructor of Biology, East Carolina University, 2006–2007

### **FACULTY HONORS AND AWARDS**

- Convocation Keynote Address Speaker, Millsaps College, 2019
- Exemplary Teacher Award for Millsaps College, General Board of Higher Education and Ministry of the United Methodist Church, 2019
- Faculty Honoree for Millsaps College, Mississippi HEADWAE (Higher Education Appreciation Day – Working for Academic Excellence), 2019
- Distinguished Professor Award, Millsaps College, 2018
- Senior Last Lecture Speaker, Millsaps College, 2018
- Sabbatical Award (for AY 2018–2019), Millsaps College, 2017
- Richard A. Smith Award for Excellence in Scholarship, Millsaps College, 2016
- Excellence in Teaching Award (Division of Sciences), Millsaps College, 2015
- Outstanding Young Faculty Award, Millsaps College, 2011

### **TEACHING EXPERIENCE**

- **Faculty Member, Millsaps College, 2008–Present**  
*Courses:* Introductory Cell Biology, General Zoology, Biology of Terrestrial Arthropods, Arthropods and Public Health, Invertebrate Zoology, Evolutionary Biology, Biogeography, Field Ecology of Hawaii (winter field course), Biogeography of the American Southwest (summer field course), Field Arachnology (summer field course), Senior Seminar/Advanced Critical Analysis (senior capstone course), Explore the

Natural World (non-science majors course), Freshman Seminar in Critical Thinking and Academic Literacy (freshman core curriculum course)

- **Faculty Member, East Carolina University, 2006–2008**  
*Courses:* Principles of Biology I (with Honors students), Principles of Biology II (with Honors students), Field Zoology, Phylogenetic Theory (guest lectures)
- **Graduate Teaching Assistant, East Carolina University, 2002, 2004**  
*Course:* Biology of Terrestrial Arthropods (lab and guest lectures)
- **Graduate Teaching Assistant, West Texas A&M University, 1999–2002**  
*Courses:* Basic and Contemporary Biology I (lab), Basic and Contemporary Biology II (lab), Arachnology (guest lectures)
- **Public Outreach, 1999–Present**  
*Locations:* Colorado, Louisiana, Mississippi, North Carolina, Texas

## **RESEARCH GRANTS**

- Science Fellowship Award, Millsaps College, 2023. \$29,765
- Science Fellowship Award, Millsaps College, 2022. \$26,270
- Science Fellowship Award, Millsaps College, 2021. \$17,950
- Faculty Development Awards, Millsaps College, 2010–2019. \$19,100
- National Science Foundation, OISE 1157763 (co-PI), 2012. Developing a new US-Spain collaboration in mygalomorph spider systematics and conservation. \$40,849
- American Tarantula Society, 2012. Systematics and taxonomy of the tarantula spider genus *Aphonopelma* (Araneae: Mygalomorphae: Theraphosidae). \$925.41
- National Science Foundation, DEB 0841610 (co-PI), 2009. REVSYS: Systematics and taxonomy of the tarantula spider genus *Aphonopelma* (Araneae: Mygalomorphae: Theraphosidae). \$363,021
- American Tarantula Society, 2009. Systematics and taxonomy of the tarantula spider genus *Aphonopelma* (Araneae: Mygalomorphae: Theraphosidae). \$5,600
- American Arachnological Society, The Vincent Roth Fund for Systematic Research, 2004. Phylogenetic systematics and evolution of the spider genera *Antrodiaetus* and *Atypoides* (Araneae, Mygalomorphae, Antrodiaetidae). \$400
- American Museum of Natural History, Theodore Roosevelt Memorial Fund, 2004. Phylogenetic systematics and evolution of the spider genera *Antrodiaetus* and *Atypoides* (Araneae, Mygalomorphae, Antrodiaetidae). \$1,700
- West Texas A&M University, Killgore Graduate Student Research Grant, 2000. A new species of *Aphonopelma* from the southwestern United States (Araneae, Mygalomorphae, Theraphosidae). \$500

**PEER-REVIEWED PUBLICATIONS**

\* undergraduate student research supervised

(29) Graham, M. R., Garcia, E. L., **Hendrixson, B. E.**, Sampognaro, A. M., Cushing, P. E. 2021. Pliocene origins, Pleistocene refugia, and postglacial range expansion in southern devil scorpions (Vaejovidae: *Vaejovis carolinianus*). *Organisms Diversity & Evolution*, 21: 575–590.

(28) Perafán, C., Ferretti, N., **Hendrixson, B. E.** 2020. Biogeography of New World tarantulas. In Pérez-Miles, F. (ed.), *New World tarantulas: taxonomy, biogeography and evolutionary biology of Theraphosidae* (pp. 153–189). Springer Nature.

(27) Graham, M. R., Santibáñez-López, C. E., Derkarabetian, S., **Hendrixson, B. E.** 2020. Pleistocene persistence and expansion in tarantulas on the Colorado Plateau and the effects of missing data on phylogeographical inferences from RADseq. *Molecular Ecology*, 29: 3684–3701.

(26) Jochim, E. E.\*, Broussard, L.-L. M.\*, **Hendrixson, B. E.** 2020. Integrative species delimitation and taxonomic status of the scorpion genus *Vaejovis* Koch, 1836 (Vaejovidae) in the Santa Catalina Mountains, Arizona. *Euscorpius*, 316: 1–11.

(25) Newton, L. G., Starrett, J., **Hendrixson, B. E.**, Derkarabetian, S., Bond, J. E. 2020. Integrative species delimitation reveals cryptic diversity in the southern Appalachian *Antrodiaetus unicolor* (Araneae: Antrodiaetidae) species complex. *Molecular Ecology*, 29: 2269–2287.

(24) **Hendrixson, B. E.** 2019. A new species of *Aphonopelma* (Araneae: Mygalomorphae: Theraphosidae) from the pine-oak woodlands of northeastern Sonora, Mexico. *Zootaxa*, 4688: 519–534.

(23) Setton, E. V. W., **Hendrixson, B. E.**, Sharma, P. P. 2019. Embryogenesis in a Colorado population of *Aphonopelma hentzi* (Girard, 1852) (Araneae, Mygalomorphae, Theraphosidae): establishing a promising system for the study of mygalomorph development. *Journal of Arachnology*, 47: 209–216.

(22) Bond, J. E., **Hendrixson, B. E.** 2017. Chapter 6: Ctenizidae. In Ubick, D., Paquin, P., Cushing, P. E., Roth, V. (eds.), *Spiders of North America: An identification manual, 2<sup>nd</sup> Ed.* (pp. 51–52). American Arachnological Society.

(21) Prentice, T. R., **Hendrixson, B. E.** 2017. Chapter 11: Theraphosidae. In Ubick, D., Paquin, P., Cushing, P. E., Roth, V. (eds.), *Spiders of North America: An identification manual, 2<sup>nd</sup> Ed.* (pp. 62–63). American Arachnological Society.

(20) **Hendrixson, B. E.** 2016. Scorpions of the United States. *Journal of the British Tarantula Society*, 31: 38–47.

(19) Hamilton, C. A., **Hendrixson, B. E.**, Bond, J. E. 2016. Taxonomic revision of the tarantula genus *Aphonopelma* Pocock, 1901 (Araneae, Mygalomorphae, Theraphosidae) within the United States. *ZooKeys*, 560: 1–340.

(18) Graham, M. R., **Hendrixson, B. E.**, Hamilton, C. A., Bond, J. E. 2015. Miocene extensional tectonics explain ancient patterns of diversification among turret-building tarantulas (*Aphonopelma mojave* group) in the Mojave and Sonoran Deserts. *Journal of Biogeography*, 42: 1052–1065.

(17) **Hendrixson, B. E.**, Guice, A. V.\*, Bond, J. E. 2015. Integrative species delimitation and conservation of tarantulas (Araneae: Mygalomorphae: Theraphosidae) from a North American biodiversity hotspot. *Insect Conservation and Diversity*, 8: 120–131.

(16) Hamilton, C.A., **Hendrixson, B. E.**, Brewer, M. S., Bond, J. E. 2014. An evaluation of sampling effects on multiple DNA barcoding methods leads to an integrative approach for delimiting species: a case study of the North American tarantula genus *Aphonopelma* (Araneae, Mygalomorphae, Theraphosidae). *Molecular Phylogenetics and Evolution*, 71: 79–93.

(15) **Hendrixson, B. E.**, DeRussy, B. M.\*, Hamilton, C. A., Bond, J. E. 2013. An exploration of species boundaries in turret-building tarantulas of the Mojave Desert (Araneae, Mygalomorphae, Theraphosidae, *Aphonopelma*). *Molecular Phylogenetics and Evolution*, 66: 327–340.

(14) Bond, J. E., **Hendrixson, B. E.**, Hamilton, C. A., Hedin, M. 2012. A reconsideration of the classification of the spider infraorder Mygalomorphae based on three nuclear genes and morphology (Arachnida: Araneae). *PLoS One*, 7: 1–11 (e38753).

(13) Bailey, A. L.\*, Brewer, M. S., **Hendrixson, B. E.**, Bond, J. E. 2010. Phylogeny and classification of the trapdoor spider genus *Myrmekiaphila* (Araneae: Cyrtaucheniidae): an integrative approach to evaluating taxonomic hypotheses. *PLoS One*, 5: 1–15 (e12744).

(12) **Hendrixson, B. E.**, Bond, J. E. 2009. Evaluating the efficacy of continuous quantitative characters for reconstructing the phylogeny of a morphologically homogeneous spider taxon (Araneae, Mygalomorphae, Antrodiaetidae, *Antrodiaetus*). *Molecular Phylogenetics and Evolution*, 53: 300–313.

(11) **Hendrixson, B. E.**, Bond, J. E. 2007. Molecular phylogeny and biogeography of an ancient Holarctic lineage of mygalomorph spiders (Araneae: Antrodiaetidae: *Antrodiaetus*). *Molecular Phylogenetics and Evolution*, 42: 738–755.

(10) **Hendrixson, B. E.** 2006. Buthid scorpions of Saudi Arabia, with notes on other families (Scorpiones: Buthidae, Liochelidae, Scorpionidae). *Fauna of Arabia*, 21: 33–120.

- (9) Sissom, W. D., **Hendrixson, B. E.** 2005. A new species of *Vaejovis* (Scorpiones, Vaejovidae) from Coahuila and Nuevo León, and a key to the vaejovid species from northeastern and north-central México. *Zootaxa*, 1088: 33–43.
- (8) Bond, J. E., **Hendrixson, B. E.** 2005. Chapter 6: Ctenizidae. In Ubick, D., Paquin, P., Cushing, P. E., Roth, V. (eds.), *Spiders of North America: An identification manual* (pp. 43–44). American Arachnological Society.
- (7) Sissom, W. D., **Hendrixson, B. E.** 2005. Scorpion biodiversity and patterns of endemism in northern Mexico. In Cartron, J.-L. E., Ceballos, G., Felger, R. S. (eds.), *Biodiversity, ecosystems, and conservation in northern Mexico* (pp. 122–137). Oxford, England: Oxford University Press.
- (6) **Hendrixson, B. E.**, Bond, J. E. 2005. Testing species boundaries in the *Antrodiaetus unicolor* complex (Araneae: Mygalomorphae: Antrodiaetidae): “Paraphyly” and cryptic diversity. *Molecular Phylogenetics and Evolution*, 36: 405–416.
- (5) **Hendrixson, B. E.**, Bond, J. E. 2005. Two sympatric species of *Antrodiaetus* from southwestern North Carolina (Araneae, Mygalomorphae, Antrodiaetidae). *Zootaxa*, 872: 1–19.
- (4) **Hendrixson, B. E.**, Bond, J. E. 2004. A new species of *Stasimopus* from the Eastern Cape Province of South Africa (Araneae, Mygalomorphae, Ctenizidae), with notes on its natural history. *Zootaxa*, 619: 1–14.
- (3) **Hendrixson, B. E.**, Sissom, W. D. 2001. Descriptions of two new species of *Vaejovis* C. L. Koch, 1836 from Mexico, with a redescription of *Vaejovis pusillus* Pocock, 1898 (Scorpiones: Vaejovidae). In Fet, V., Selden, P. A. (eds.), *Scorpions 2001: In Memoriam Gary A. Polis* (pp. 215–223). Burnham Beeches, Bucks: British Arachnological Society.
- (2) **Hendrixson, B. E.** 2001. A new species of *Vaejovis* (Scorpiones, Vaejovidae) from Sonora, Mexico. *Journal of Arachnology*, 29: 47–55.
- (1) Fet, V., **Hendrixson, B. E.**, Sissom, W. D., Levy, G. 2000. First record for the genus *Mesobuthus* Vachon, 1950 in Israel: *Mesobuthus nigrocinctus* (Ehrenberg, 1828), n. comb. (Scorpiones: Buthidae) from Mt. Hermon. *Israel Journal of Zoology*, 46: 287–295.

### **BOOKS IN PREPARATION**

**Hendrixson, B. E.** Scorpions and Tarantulas of the United States. Anticipated submission September 2025. Under contract.

**RESEARCH PROJECTS IN PROGRESS**

\* undergraduate student research supervised

**Hendrixson, B. E.**, Hamilton, C. A. *Working title: A new Madrean “sky island” tarantula* (Araneae: Mygalomorphae: Theraphosidae) endemic to the Chiricahua Mountains in southeastern Arizona. Anticipated submission Spring 2024.

Sissom, W. D., Gaupp, M. J.\*, **Hendrixson, B. E.** *Working title: A new saw-fingered scorpion* (Vaejovidae: *Serradigitus*) from the Big Bend Region of Texas. Anticipated submission Fall 2024.

**Hendrixson, B. E.**, Valois, Z. J. *Working title: A new species of Vaejovis* (Scorpiones: Vaejovidae) from southwestern Utah. Anticipated submission Spring 2025.

**INVITED RESEARCH SEMINARS & OTHER SPEAKING INVITATIONS (SINCE 2010)**

**Hendrixson, B. E.** 2022. Spiders (and scorpions) of Mississippi. Jackson Audubon Society, Clinton Community Nature Center (Clinton, MS).

**Hendrixson, B. E.** 2022. The Madrean Sky Islands: drivers of tarantula diversification in the USA and northern Mexico. British Tarantula Society Lectures and Dinner (Remote Presentation to Audience in Bristol, England).

**Hendrixson, B. E.** 2019. Tarantulas and scorpions of the United States: the stuff of nightmares? Red River National Wildlife Refuge (Bossier City, LA).

**Hendrixson, B. E.** 2018. Tarantulas of the United States. Denver Museum of Nature & Science (Denver, CO).

**Hendrixson, B. E.** 2017. American stingers: scorpions of the United States. Mississippi Museum of Natural Science (Jackson, MS).

**Hendrixson, B. E.** 2016. Taxonomic revision of the tarantula genus *Aphonopelma* within the United States. 17th Annual Meeting of the American Tarantula Society (Tucson, AZ). *Keynote Speaker*

**Hendrixson, B. E.** 2014. A love affair with *Aphonopelma*. 16th Annual Meeting of the American Tarantula Society (Tucson, AZ). *Keynote Speaker*

**Hendrixson, B. E.** 2013. Tarantulas of North America: species delimitation and natural history. Mississippi Museum of Natural Science (Jackson, MS).

**Hendrixson, B. E.** 2013. A (nearly?) final assessment of tarantula diversity in the USA. 15th Annual Meeting of the American Tarantula Society (Tucson, AZ).

**Hendrixson, B. E.** 2012. A renaissance in theraphosid systematics: Case studies in the North American genus *Aphonopelma*. British Tarantula Society Lectures and Dinner (Bristol, England). *VIP Guest Lecturer*

**Hendrixson, B. E.** 2011. Hyperdiverse tarantula communities in southern Arizona and New Mexico. 13th Annual Meeting of the American Tarantula Society (Tucson, AZ). *Keynote Speaker*

**Hendrixson, B. E.** 2011. Integrating morphological, genetic, and geospatial data for inferring species boundaries in North American tarantulas. Mississippi State University Department of Biological Sciences (Starkville, MS).

**Hendrixson, B. E.** 2010. Exploring species boundaries using multiple lines of evidence: case studies in the North American tarantula genus *Aphonopelma*. Mississippi University for Women Department of Sciences and Mathematics (Columbus, MS).

**Hendrixson, B. E.** 2010. Progress in *Aphonopelma* systematics and taxonomy. 12th Annual Meeting of the American Tarantula Society (Tucson, AZ).

### **RESEARCH PRESENTATIONS AT PROFESSIONAL MEETINGS (SINCE 2010)**

\* undergraduate student research supervised

Hamilton, C. A., Silvestre Bringas, K., **Hendrixson, B. E.** 2022. Integrating Western science and traditional ecological knowledge (TEK) to understand *Aphonopelma* diversity across the Madrean sky islands and educate K–12 tribal students. Annual Meeting of the Entomological Society of America (Vancouver Convention Centre; Vancouver, British Columbia, Canada).

Hamilton, C. A., **Hendrixson, B. E.** 2020. Understanding *Aphonopelma* diversity across the Madrean Pine-Oak Woodlands Hotspot. 6th Latin American Congress of Arachnology (Virtual; Buenos Aires, Argentina).

Newton, L. G., Starrett, J., **Hendrixson, B. E.**, Bond, J. E. 2019. Species delimitation of the *Antrodiaetus unicolor* species complex using a 3RAD approach. 43rd Annual Meeting of the American Arachnological Society (Washington and Lee University; Lexington, Virginia).

Setton, E. V. W., **Hendrixson, B. E.**, Sharma, P. P. 2019. Embryogenesis in a Colorado population of *Aphonopelma hentzi* (Girard, 1852) (Araneae, Mygalomorphae, Theraphosidae), an emerging system for the study of spider development. 21st International Congress of Arachnology (Lincoln University; Canterbury, New Zealand).

Hamilton, C. A., **Hendrixson, B. E.**, Bond, J. E. 2018. Integrative species delimitation and revision of a “taxonomic nightmare” spider genus using natural history collections and “big data”. Annual Meeting of the Entomological Society of America (Vancouver Convention Centre; Vancouver, British Columbia, Canada).

Broussard, L.-L. M.\*, **Hendrixson, B. E.** 2018. Species delimitation in scorpions endemic to the Santa Catalina Mountains, Arizona: reconciling morphological and molecular data. 79th Annual Meeting of the Association of Southeastern Biologists (Myrtle Beach Convention Center; Myrtle Beach, SC).

Hamilton, C. A., **Hendrixson, B. E.**, Bond, J. E. 2016. Phylogenomics and taxonomic revision of the tarantula genus *Aphonopelma* within the United States. 20th International Congress of Arachnology (Colorado School of Mines; Golden, CO).

Cushing, P.E., **Hendrixson, B. E.**, Sampognaro, A., Graham, M. R. 2015. Elucidating cryptic species in the southern unstriped scorpion, *Vaejovis carolinianus* (Scorpiones: Vaejovidae). 29th European Congress of Arachnology (Masaryk University; Brno, Czech Republic).

Sampognaro, A., Cushing, P. E., **Hendrixson, B. E.**, Graham, M. R. 2015. Elucidating cryptic species in the southern unstriped scorpion, *Vaejovis carolinianus* (Scorpiones: Vaejovidae). 39th Annual Meeting of the American Arachnological Society (Dakota Wesleyan University; Mitchell, SD).

Hidalgo, H. A.\*, Olinger, H. G.\*, Garig II, D. F.\*, Pavlick, K. V.\*, **Hendrixson, B. E.** 2015. Phylogeography of the funnel-web spider *Euagrus chioseus* (Mygalomorphae, Dipluridae) in Central Texas provides further support for the “caves as microrefugia” hypothesis. 39th Annual Meeting of the American Arachnological Society (Dakota Wesleyan University; Mitchell, SD).

Olinger, H. G.\*, Garig II, D. F.\*, **Hendrixson, B. E.** 2015. Testing the “caves as microrefugia” hypothesis: phylogeography of the funnel-web spider *Euagrus chioseus* in Central Texas. 79th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS).

Guice, A. V.\*, **Hendrixson, B. E.** 2014. An integrative approach to delimiting species boundaries in tarantulas (Araneae: Mygalomorphae: Theraphosidae) from a North American biodiversity hotspot. 78th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS). *Note: 2nd Place Student Poster Competition\**

Guice, A. V.\*, **Hendrixson, B. E.** 2013. An integrative approach to delimiting species boundaries in tarantulas (Araneae: Mygalomorphae: Theraphosidae) from a North American biodiversity hotspot. 37th Annual Meeting of the American Arachnological Society (East Tennessee State University; Johnson City, TN). *Note: 1st Place Student Poster Competition\**

Hamilton, C. A., **Hendrixson, B. E.**, Brewer, M. S., Bond, J. E. 2013. An integrative approach to delimiting species using multiple DNA barcoding methods: a case study of the North American tarantula genus *Aphonopelma*. 37th Annual Meeting of the American Arachnological Society (East Tennessee State University; Johnson City, TN).



**Hendrixson, B. E.** 2013. A plea for integrative taxonomy: species delimitation in the North American tarantula genus *Aphonopelma*. 77th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS).

**Hendrixson, B. E.** 2012. Integrating morphological, genetic, and geospatial data for inferring species boundaries in the North American tarantula genus *Aphonopelma*. Invertebrates in Education and Conservation Conference (Sonoran Arthropod Studies Institute; Tucson, AZ).

Davis, J. N.\*, **Hendrixson, B. E.** 2012. Post-Pleistocene expansion of two North American tarantula species is supported by ecological niche models and phylogenetic analyses. 76th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS).

**Hendrixson, B. E.**, Purvis, M. V.\* 2011. A multifaceted taxonomic assessment of the tarantula *Aphonopelma anax* (Araneae: Theraphosidae) and its close relatives from South Texas. 35th Annual Meeting of the American Arachnological Society (Lewis & Clark College; Portland, OR).

Purvis, M. V.\*, **Hendrixson, B. E.** 2011. A multifaceted taxonomic assessment of the tarantula *Aphonopelma anax* (Araneae: Theraphosidae) and its close relatives from South Texas. 75th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS).

Brechtel, T.\*, **Hendrixson, B. E.** 2011. Phylogeography and diversification of the *Vaejovis vorhiesi* species complex (Arachnida: Scorpiones) from the “sky islands” of southern Arizona and New Mexico. 75th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS).

Hamilton, C. A., Bond, J. E., **Hendrixson, B. E.** 2010. “Hello, my name is *Aphonopelma*?” – an evaluation of the efficacy of DNA barcoding across the North American tarantulas. Evolution Meetings 2010 (Portland State University; Portland, OR).

Hamilton, C. A., **Hendrixson, B. E.**, Bond, J. E. 2010. Testing the efficacy of DNA barcoding across the North American tarantula genus *Aphonopelma* (Araneae, Mygalomorphae, Theraphosidae). 34th Annual Meeting of the American Arachnological Society (East Carolina University; Greenville, NC).

Bailey, A. L.\*, Brewer, M. S., **Hendrixson, B. E.**, Bond, J. E. 2010. Multigene approach to evaluating species boundaries and the evolution of male genitalia in the trapdoor spider genus *Myrmekiaphila* (Araneae: Mygalomorphae: Cyrtaucheniidae: Euctenizinae). 34th Annual Meeting of the American Arachnological Society (East Carolina University; Greenville, NC).

**Hendrixson, B. E.**, DeRussy, B. M.\* 2010. Mitochondrial DNA sequences identify geographic barriers and corroborate morphological diversity in the North American

tarantula *Aphonopelma mojave* (Araneae: Mygalomorphae: Theraphosidae). 34th Annual Meeting of the American Arachnological Society (East Carolina University; Greenville, NC).

DeRussy, B. M.\*, **Hendrixson, B. E.** 2010. The tarantula *Aphonopelma mojave*: separate populations or separate species? 74th Annual Meeting of the Mississippi Academy of Sciences (University of Southern Mississippi; Hattiesburg, MS).

### **HONORS RESEARCH PROJECTS SUPERVISED**

Chloee Beebe. In Progress. Thesis (Tentative): *Two new species of scorpions from southwestern Utah*.

Hannah M. O'Bryan. 2022. Thesis: *Exploring species-level diversity of Vaejovis scorpions in the Pinaleno Mountains, Arizona*. Awarded Best Presentation at the Millsaps Honors Research Symposium.

Emma E. Jochim. 2020. Thesis: *Species delimitation and taxonomic status of Vaejovis scorpions in the Santa Catalina Mountains, Arizona*. Project published in *Euscorpius*.

Lillian-Lee M. Broussard. 2018. Thesis: *Species delimitation of endemic sky island scorpions: reconciling morphologic and genomic data*. Project published in *Euscorpius*.

Hunter A. Hidalgo. 2016. Thesis: *Phylogeography of the funnel-web spider Euagrus chisoseus throughout the Southwestern United States: analysis of the "caves as microrefugia" hypothesis in Central Texas and the influence of topographic and geographic changes of the Madrean sky islands*.

Alexis V. Guice. 2014. Thesis: *An integrative approach to delimiting species boundaries in tarantulas (Araneae: Mygalomorphae: Theraphosidae) from a North American biodiversity hotspot*. Project published in *Insect Conservation and Diversity*.

J. Nate Davis. 2012. Thesis: *Post Pleistocene expansion of two North American tarantula species is supported by ecological niche models and phylogeographic analyses*.

M. Victoria Purvis. 2011. Thesis: *An assessment of tarantula diversity in South Texas*.

Bernadette M. DeRussy. 2010. Thesis: *The Death Valley Drainage promotes divergence in the tarantula species Aphonopelma mojave*. Project published in *Molecular Phylogenetics and Evolution*.

### **OTHER UNDERGRADUATE RESEARCH STUDENTS SUPERVISED**

- **Millsaps College, 2008–Present**

*Students:* Aaron Anderson, Kristen Andrus, Maya Bahro, Brendon Barnes (Ford Fellow, Honors not completed), Charlie Barnes, Chloee Beebe (Honors), Teal Brechtel (Ford Fellow), Lillian-Lee Broussard (Ford Fellow, Honors), Ella Calhoun, Sloan Click, Cheryl

Cole, Nate Davis (Honors), Ashley Dederich (Kynard-McKeown Fellow), Bernadette DeRussy (Honors), Austin Deskewies, Emalie Dickey, Ellen Dixon, Courtney Dugas, Keaton Dooley, Sarah Fisher, Dustin Garig (McKeown Fellow), Miranda Gaupp (Ford Fellow, HHMI Fellow, Kynard-McKeown Fellow), Alexis Guice (Ford Fellow, Honors, HHMI Fellow), Kate Hall, Hunter Hidalgo (Honors, HHMI Fellow), Clare Howard (Ford Fellow), Isabella Hutchins, Emma Jochim (Honors, Kynard-McKeown Fellow), Jasmeet Kaur, Logan Krueger, Thomas Martin, Amber McLaurin, Tori Morgan, Whitney Murchison, Delta Newman, Lacie Newton, Hannah O'Bryan (Honors), Harrison Olinger (HHMI Fellow), Payton Passantino, Viraj Patel, Kayla Pavlick (HHMI Fellow, McKeown Fellow), Victoria Purvis (Honors), Matt Rector, Aaina Sabharwal, Jake Storms, Lindsey Tassin (Ford Fellow), Brandon Weisensee (Directed Study), Katie Williams, Skye Williams, Gerri Wilson, Carol Maya Wiltshire

- **East Carolina University, 2007–2008**

*Students:* Miranda Anastasia, Ashley Bailey, Sergey Lushnikov, Jamie Taylor

### **FACULTY ADMINISTRATIVE & LEADERSHIP POSITIONS HELD**

- **Chair of the Tenure & Promotion Committee, Millsaps College, 2019–2021**

- Set schedule and agenda for committee meetings
- Reviewed files for tenure, promotion, and emeriti candidates according to Faculty Handbook guidelines
- Interviewed tenure and promotion candidates
- Prepared evaluation letters for tenure, promotion, and emeriti candidates and communicated evaluations to the College Provost
- Reviewed files and prepared evaluation letters for probationary mid-tenure faculty members and communicated evaluations to the College Provost

- **Chair of the Biology Department, Millsaps College, 2015–2018, 2020–2022**

- Set schedule and agenda for departmental meetings
- Represented department to external audiences
- Promoted Biology Program at recruiting events
- Fostered collegiality in a diverse department of 7 faculty members
- Advised and mentored 4 junior faculty members
- Prepared annual evaluation letters for all faculty members
- Prepared mid-tenure evaluation letters for all junior faculty members
- Discussed annual and mid-tenure evaluations with individual faculty members
- Identified full-time (tenure-track) and adjunct faculty needs for the department and communicated needs to the College Dean
- Chaired search committees for tenure-track faculty positions
- Managed departmental budget
- Supervised 1 staff member and numerous student workers
- Coordinated with other departments to set course schedules each semester
- Conducted annual assessment of student learning objectives for the Biology Program and used data to inform curricular revisions

- Coordinated major revision of the departmental curriculum (ongoing)
- Coordinated academic advising in the department
- Coordinated senior comprehensive exams
- Handled student grievances
  
- **Director of the Honors Program, Millsaps College, 2015–2018**
  - Served as program administrator
  - Set schedule and agenda for program committee meetings
  - Invited qualified students to participate in program
  - Promoted program to prospective students at recruiting events
  - Communicated program needs to the College Dean
  - Managed program budget
  - Coordinated review of project proposals and communicated evaluations to students
  - Coordinated review of funding requests (research and conference travel grant proposals) and communicated evaluations to students
  - Coordinated formation of thesis committees
  - Coordinated evaluation of all projects (assessment meetings, thesis defenses)
  - Served on thesis committees
  - Ensured students met all program deadlines
  - Coordinated the Honors Research Symposium (2-day event) each year
  - Mentored and trained newly appointed director
  - Prepared annual report on the program committee's work and communicated results to the College Dean
  
- **Chair of the Faculty Development Committee, Millsaps College, 2014–2015**
  - Set schedule and agenda for committee meetings
  - Coordinated review of funding requests (faculty developmental grant proposals) and communicated recommendations to the College Dean
  - Coordinated plans and set agenda for the Fall Faculty Conference
  - Prepared annual report on the committee's work and communicated results to the College Dean
  
- **Faculty Chair of the Honor Council, Millsaps College, 2013–2014**
  - Coordinated with student chair to schedule Honor Code violation hearings
  - Provided overview of Honor Code and Honor Council to new faculty members
  - Revised Honor Code and Honor Council information on College webpage and communicated changes to the entire campus community
  - Assisted with "Signing of the Honor Code Ceremony" for new students
  - Voted on sanctions and communicated recommendations to the College Dean
  - Prepared annual report on the Council's work and communicated results to the College Dean

**COLLEGE SERVICE (MILLSAPS COLLEGE)****Elected Positions**

- Faculty Council, 2011–2014, 2023–Present
- Science Division Personnel Committee, 2021–Present
- Grievance Committee, 2021–2022
- Compass Council (Natural Sciences Representative), 2019–2021
- Tenure & Promotion Committee, 2017–2021 (Chair 2019–2021)
- Curriculum Committee, 2014–2017
- Faculty Development Committee, 2013–2016 (Chair 2014–2015)
- All College Council, 2010–2011

**Appointed Positions**

- Honors Program Committee, 2010–2013, 2022–Present
- Assessment Committee, 2021–Present
- Chair of the Biology Department, 2015–2018, 2020–2022
- Ford Fellowship Committee, 2009–2013, 2019–2022
- Director of the Honors Program, 2015–2018
- Honor Council, 2011–2014 (Chair 2013–2014)
- Athletics Committee, 2011–2012
- Animal Subjects Review Committee, 2009–2012

**PROFESSIONAL SERVICE**• **Editorial Board**

- Review Editor, *Frontiers in Arachnid Science*, 2022–Present

• **Ad Hoc Peer Reviewer**

- *Journals*: American Museum of Natural History Scientific Publications, *Arachnology*, *Arkansas Academy of Science*, *Arthropoda Selecta*, *Biological Journal of the Linnean Society*, *Bionomina*, *Cladistics*, *Ecological Research*, *Ecology and Evolution*, *Entomological News*, *Insecta Mundi*, *Invertebrate Systematics*, *Journal of Arachnology*, *Journal of Biogeography*, *Journal of Venomous Animals and Toxins including Tropical Diseases*, *Molecular Ecology*, *Molecular Phylogenetics and Evolution*, *Mygalomorph*, *Myrmecological News*, *Organisms Diversity & Evolution*, *Pan-Pacific Entomologist*, *PeerJ*, *PLoS ONE*, *Revista Ibérica de Aracnología*, *The Southwestern Naturalist*, Springer (edited volume), *Systematic Biology*, *Texas Journal of Science*, *Zookeys*, *Zootaxa*
- *Grants*: National Geographic Society, National Science Foundation
- *Other*: US Department of the Interior (Fish & Wildlife Service)

• **Chair**

- American Arachnological Society, Student Research Grants Committee, 2019–Present

- Mississippi Academy of Sciences, Ecology and Evolutionary Biology Division, 2010–2015
- **Student Research Competition Judge**
  - American Arachnological Society, 2011, 2015
- **Volunteer Scientist**
  - Mississippi BioBlitz, Mississippi Museum of Natural Science, 2014
  - Colorado Spider Survey, Denver Museum of Nature & Science, 2001–2003
- **Children’s Book Consultant**
  - Lunis, N. 2014. *Inside the Tarantula’s Burrow* (24 pp.). Bearpoint Publishing (ISBN: 978-1-61772-907-2)
  - Richardson, A. 2003. *Predators in the Wild: Scorpions* (32 pp.). Mankato, MN: Capstone Press (ISBN: 0736813187)

#### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- American Arachnological Society