

# *Curriculum Vitae*

## KYLE E. SCHNEPP

COLLECTIONS MANAGER, NORTH CAROLINA STATE UNIVERSITY INSECT MUSEUM  
DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY  
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### EDUCATION

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**Ph.D. Entomology**      **University of Florida**      August 2024  
**Title:** Taxonomy and Molecular Systematics of Three Lineages of Coleoptera  
**Committee:** Ronald Cave, Paul Skelley, Akito Kawahara, Jiri Hulcr, Rebecca Kimball

**B.Sc. Entomology**      **Purdue University**      May 2009  
**Capstone:** The *Agrilus* of Northeastern North America

### RELEVANT WORK EXPERIENCE

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**Collections Manager.** North Carolina State University Insect Museum: 2024 – **Present.**

**Biological Scientist - Collections Manager.** Florida State Collection of Arthropods. Florida Department of Agriculture and Consumer Services. Division of Plant Industry. 2013 – 2024.

- Maintain, organize, and support day-to-day activities of the Florida State Collection of Arthropods
- Sort, package, and mail domestic and international loan requests; incorporate returned loans and donations
- Average of 60 loans per year and >100,000 donated specimens annually
- Facilitate visitors and volunteers in the museum, an average of 70 per year
- Identify all Coleoptera and Orthoptera submitted to Entomology, approximately 1,500 samples annually
- Backup identifier for Thysanoptera, Hymenoptera, Mollusca, and select Hemiptera
- Supervise technicians processing samples and donations in the regulatory database and TaxonWorks

**Lab Technician.** Purdue Entomology Systematics Lab: Jan – Aug 2013. Purdue Landscape Ecology Lab: May – Aug 2011, May – Aug 2012. USDA APHIS PPQ: Aug 2008 – July 2013.

**Undergraduate Assistant.** Purdue Entomology Research Collection: Jan 2004 – Aug 2008.

### PEER REVIEWED PUBLICATIONS

Citations: 78

H-index: 5

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30. [submitted] **Kyle E. Schnepf**, Gareth S. Powell, Natalie A. Saxton, Nicole L. Gunter, Paul E. Skelley, Ronald D. Cave. Phylogeography of *Geopsammophilus* Gordon and Pittino 1992 (Coleoptera: Scarabaeidae: Aphodiinae): a radiation of endemic psammophilic beetles. *Scientific Reports*.
29. [in review] **Kyle E. Schnepf**. Book Chapters: Buprestidae, Byturidae, Nosodendridae, Passandridae. *In: Beetles of Canada and the United States. Volume 2.*
28. [accepted] **Kyle E. Schnepf**. 2024. A revision of the genus *Trichodesma* LeConte, 1861 (Coleoptera: Ptinidae) in the United States and Canada. *Coleopterists Bulletin*.

27. Paul E. Skelley, Eileen A. Buss, Jade S. Allen, Samuel J. Bolton, Lily A. Deeter, James C. Fulton, Deborah J. Greer, Susan E. Halbert, James E. Hayden, Matthew R. Moore, Catherine E. Nance, Erin C. Powell, Gareth S. Powell, Erick J. Rodriguez, Emily E. Roeder, **Kyle E. Schnepf**, Felipe N. Soto-Adames, Gary J. Steck, Elijah J. Talamas, and Trevor Randall Smith. 2025. Adventive arthropods in Florida as reported by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, 1990–2023. *Florida Entomologist* 108, s1, 2025, pp. 20240027.
26. Andrew J. Johnson, Thomas H. Atkinson, **Kyle E. Schnepf**, Sarah M. Smith, and Jiri Hulcr. 2025. New records and taxonomic changes for the bark and ambrosia beetles (Coleoptera: Curculionidae: Scolytinae) of Florida. *Florida Entomologist* 108: 1–17.
25. Michael C. Thomas and **Kyle E. Schnepf**. 2025. Descriptions of four new species of *Leptophloeus* Casey (Coleoptera: Laemophloeidae) from the United States. *Insecta Mundi* 1104: 1–13.
24. Alessandra Pandolfi and **Kyle E. Schnepf**. 2024. New distributional records of the genus *Tetragonoderus* Dejean, 1829 from the United States of America, including an updated key to species (Coleoptera: Carabidae). *Fragmenta Entomologica* 56(1): 65–72.
23. **Kyle E. Schnepf**. 2023. An illustrated type catalog of *Trichodesma* LeConte, 1861 (Coleoptera: Ptinidae) from Mexico, with description of a new species. *Insecta Mundi* 1024: 1–19.
22. **Kyle E. Schnepf**. 2023. Catalog of the world species of *Trichodesma* LeConte, 1861 (Coleoptera: Ptinidae) and associated genera. *Insecta Mundi* 1000: 1–19.
21. **Kyle E. Schnepf**. 2022. First report of *Iccius* Champion (Coleoptera: Tenebrionidae) from Florida, U.S.A. *The Coleopterists Bulletin* 76(2): 186–187.
20. **Kyle E. Schnepf**. 2022. A new species of *Phyllophaga* Harris (Coleoptera: Scarabaeidae: Melolonthinae) from Puerto Rico. *Insecta Mundi* 0914: 1–7.
19. **Kyle E. Schnepf**, R. Michael Brattain, and Gareth S. Powell. 2021. A survey of the beetles (Insecta: Coleoptera) in several natural areas across Indiana, U.S.A. *The Great Lakes Entomologist* 54 (3–4): 143–187.
18. Adam J. Brunke and **Kyle E. Schnepf**. 2021. Taxonomic changes in Nearctic Paederinae, new records and a redescription of the enigmatic genus *Acrostilicus* Hubbard (Coleoptera: Staphylinidae). *The Coleopterists Bulletin* 75 (4): 883–894.
17. Laura N. Sutherland, **Kyle E. Schnepf**, Gareth S. Powell, and Seth M. Bybee. 2021. Phylogenetic placement of the Plesioclytini (Coleoptera: Cerambycidae: Cerambycinae). *Diversity* 2021, 13, 597: 1–8.
16. **Kyle E. Schnepf** and Robert S. Anderson. 2021. *Phaenomerus foveipennis* (Morimoto) (Coleoptera: Curculionidae: Conoderinae) in the southeastern U.S.A. *The Coleopterists Bulletin* 75 (2): 310–312.
15. Igor M. Sokolov and **Kyle E. Schnepf**. 2021. A new subterranean species of *Anillinus* Casey (Carabidae, Trechinae, Anillini) from Florida. *Subterranean Biology* 39: 33–44.
14. **Kyle E. Schnepf** and Edward G. Riley. 2021. Report of an established population of *Pentispa sallei* (Baly) (Coleoptera: Chrysomelidae: Cassidinae) in Florida, USA. *The Coleopterists Bulletin* 75 (1): 256–258.
13. **Kyle E. Schnepf** and Krystal L. Ashman. 2020. A new species of *Ataenius* Harold (Coleoptera: Scarabaeidae: Aphodiinae) from the southeastern United States, with a lectotype designation. *Insecta Mundi* 0841: 1–7.
12. Gareth S. Powell and **Kyle E. Schnepf**. 2020. Review of *Carpophilus* (*Ecnomorphus*) Motschulsky, 1858 (Coleoptera: Nitidulidae: Carpophilinae), in the West Indies. *Insecta Mundi* 0840: 1–8.
11. **Kyle E. Schnepf**, Krystal L. Ashman, and Matthew R. Moore. 2020. Report of an established population of *Belionota prasina* (Thunberg) (Coleoptera: Buprestidae: Buprestinae) in Florida, USA. *The Coleopterists Bulletin* 74 (1): 124–126.
10. Oliver Keller, **Kyle E. Schnepf**, Krystal L. Ashman, Robert H. Turnbow, and Paul E. Skelley. 2020. An annotated catalog of the type material of Adephaga and Myxophaga (Coleoptera) deposited in the Florida State Collection of Arthropods in Gainesville, Florida, United States of America. *Zootaxa* 4744: 1–118.
9. **Kyle E. Schnepf**. 2019. Three new synonymies in *Phyllophaga* Harris, 1827 (Coleoptera: Scarabaeidae), with lectotype and neotype designations. *Insecta Mundi* 0742: 1–6.
8. **Kyle E. Schnepf**, Thomas C. McElrath, and Gareth S. Powell. 2019. The beetle fauna associated with the peduncle of *Sabal mexicana* (Arecaceae) in southern Texas. *Journal of Natural History* 53 (35–36): 2183–2193.
7. **Kyle E. Schnepf**. 2019. Notes on the natural history of *Plesioclytus morrissi* Wappes and Skelley, 2015 and *Plesioclytus relictus* Giesbert, 1993 (Coleoptera: Cerambycidae). *Insecta Mundi* 0734: 1–8.
6. **Kyle E. Schnepf** and Gareth S. Powell. 2018. A new species of *Sandalus* Knoch (Coleoptera: Rhipiceridae) with an updated key to the species of the Eastern United States. *The Coleopterists Bulletin* 72 (2): 241–245.
5. James E. Hayden, Lyle J. Buss, **Kyle E. Schnepf**, and Lei Xiao. 2017. First reports of non-phytophagous Nearctic chrysaugine moths (Lepidoptera: Pyralidae). *Insecta Mundi* 0553: 1–8.

4. Michael J. Skvarla, Danielle M. Fisher, **Kyle E. Schnepf**, and Ashley P.G. Dowling. 2015. Terrestrial arthropods of Steel Creek, Buffalo National River, Arkansas. I. Select beetles (Coleoptera: Buprestidae, Carabidae, Cerambycidae, Curculionoidea excluding Scolytinae). *Biodiversity Data Journal* 3 (e6832): 1–42.
3. Jeffrey D. Holland, John T. Shukle, Hossam Eldien M. Abdel Moniem, Thomas W. Mager, Kapil R. Raje, **Kyle E. Schnepf**, and Shulin Yang. 2013. Pre-treatment assemblages of wood-boring beetles (Coleoptera: Buprestidae, Cerambycidae) of the Hardwood Ecosystem Experiment. In: Swihart, Robert K.; Saunders, Michael R.; Kalb, Rebecca A.; Haulton, G. Scott; Michler, Charles H., eds. 2013. The Hardwood Ecosystem Experiment: a framework for studying responses to forest management. Gen. Tech. Rep. NRS-P-108. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station: 218–236.
2. Blaine A. Mathison and **Kyle E. Schnepf**. 2013. First records of *Dicrepidius serraticornis* Champion, 1894 (Coleoptera: Elateridae: Dicrepidini) in the United States (Arizona), with a key to the species of *Dicrepidius* Eschscholtz in America north of Mexico. *The Coleopterists Bulletin* 67 (1): 54–55.
1. Arthur V. Evans and **Kyle E. Schnepf**. 2012. Notes on the distribution and habits of *Omethes marginatus* LeConte (Coleoptera: Omethidae). *Insecta Mundi* 0244: 1–6.

#### Selected In Prep Publications

31. **Kyle E. Schnepf**. Illustrated key to the metallic wood-boring beetles (Coleoptera: Buprestidae) of the eastern United States.
32. **Kyle E. Schnepf**. An illustrated guide of male genitalia for the species of *Phyllophaga* Harris occurring in America, north of Mexico.
33. **Kyle E. Schnepf**, Gavin J. Martin, Seth M. Bybee, Brian K. Cassel, Akito Y. Kawahara, Robin Kundrata, Gareth S. Powell. A phylogenetic classification of the Rhipiceridae (Coleoptera: Dascilloidea) using targeted enrichment data, with a taxonomic review of all genera.

#### NON-REFEREED PUBLICATIONS

1. **Kyle E. Schnepf** and Katherine E.O. Fairbanks. 2017. *Agrilus fuscipennis* Gory, a buprestid beetle, recorded from Florida with definitive locality. *Tri-ology* 56 (3): 10.
2. **Kyle E. Schnepf**. 2019. *Pentispa sallaei* (Baly), a leaf beetle, a new continental USA record and new host record, found on *Malpighia emarginata*, Barbados cherry. *Tri-ology* 58 (4): 7.
3. **Kyle E. Schnepf** and Krystal L. Ashman. 2020. *Anoplophora glabripennis* (Motschulsky), Asian longhorn beetle (ALB) and *Anoplophora chinensis* (Forster), citrus longhorn beetle (CLB), potential threats to the southeastern United States. Pest Alert. Florida Department of Agriculture and Consumer Services. 4 pages.
4. **Kyle E. Schnepf**. 2020. *Phaenomerus foveipennis* (Morimoto), conoderine weevil, a new Florida state record. *Tri-ology* 59 (2): 8.
5. **Kyle E. Schnepf**. 2021. *Iccius cylindricus* Champion, a tenebrionid beetle, a new Florida state record. *Tri-ology* 60 (4): 8.
6. **Kyle E. Schnepf**. 2022. *Trachyderes succinctus* (Linnaeus), a longhorn beetle, a new continental USA record. *Tri-ology* 61 (1): 8.

#### PROFESSIONAL AFFILIATIONS

**Research Associate.** Purdue Entomological Research Collection (PERC) 2014 – **Present**  
**Research Associate.** Florida State Collection of Arthropods (FSCA) 2024 – **Present**

#### FUNDING RECEIVED

2020	Co-PI	Species File Group Small Grants for Beetle Nomenclature (\$3500)
2017	PI	Prairie Biotic Research Inc. Small Research Grant (\$1000), <i>Beetles Associated with Subterranean Habitats in the Southeastern Coastal Plain and the Efficacy of a Novel Underground Trap for Surveying</i>

## PRESENTATIONS

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### Contributed Presentations

1. **Kyle E. Schnepf**. The Buprestidae of Eastern North America: presented at the Center for Systematic Entomology Annual Meeting (January 2020)
2. **Kyle E. Schnepf**. Are all lamellate antennae created equal? Rhipiceridae of the New World, with a review of U.S. *Phyllophaga*: presented at the Entomological Society of American Annual Meeting (November 2020)
3. **Kyle E. Schnepf**. *Trichodesma* (Coleoptera: Ptinidae): A study in the importance of insect collections: presented at the Entomological Collections Network Annual Meeting (November 2022)
4. **Kyle E. Schnepf**, Mayumi A. Needham, Lily A. Deeter, Gareth S. Powell. The Impact of Research Associates on the Growth of the Florida State Collection of Arthropods: presented at the Entomological Collection Network Annual Meeting (November 2023)

### Contributed Posters

1. John T. Shukle, **Kyle E. Schnepf**, Molly E. Clark, Thomas W. Mager, Larry Bledsoe, Jeffrey D. Holland. Window to the Past: The Fossil Lagerstätte of Indiana Pennsylvanian Age Coal Deposits (April 2012)
2. R. Michael Brattain, **Kyle E. Schnepf**, Jeffrey D. Holland. Beetle Diversity at Indiana Dunes State Park (November 2012)
3. Gareth S. Powell, **Kyle E. Schnepf**, R. Michael Brattain. Coleoptera of the Muscatatuck National Wildlife Refuge (October 2013)

## PROFESSIONAL DEVELOPMENT

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2023	Taxon Works Databasing Workshop at the Santa Barbara Museum of Natural History: By Matthew L. Gimmel, Andrew Johnston, and Gareth Powell
2022	Entomological Collections Management Workshop at Arizona State University: By Floyd W. Shockley and David G. Furth
2021	Tenebrionidae Identification and Classification Virtual Workshop: By Patrice Bouchard, M. Andrew Johnston, Marcin J. Kaminski, Kojun Kanda, Paloma Mas-Peinado, Aaron D. Smith, and Warren E. Steiner, Jr.
2019	Coleoptera Course: A Course on Beetle Morphology, Classification, and Identification at the Southwest Research Station, Portal, Arizona: By Richard Leschen, Steven Lingafelter, Christopher Carlton, Brittany Owens, Matthew Gimmel, Wendy Moore, Eugene Hall, and Margarethe Brummermann
2018	Staph Meeting: A Workshop on Rove Beetles at Clemson University: By Michael Caterino, Michael Ferro, Adam Brunke, Chris Carlton, Don Chandler, David Clarke, Jan Klimaszewski, Al Newton, Brittany Owens, and Margaret Thayer

## TEACHING EXPERIENCE

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2015 – 2024	Instructor for new state inspectors during weeklong new inspector training, teaching orders and families, educated about and demonstrated collecting techniques and trapping methods, 3 times annually
2015 – 2017, 2022	Demonstrated collecting techniques, both active and passive, in the field to entomology undergraduate and graduate students at the University of Florida, 16 instances
2014 – 2015	Field assistant for Purdue's Entomology 506 class trip to Univ. of TN research station, Gatlinburg, TN

## COLLECTIONS STUDIED (totaling ~ 100 days)

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American Coleoptera Museum, San Antonio, TX (ACMT) 2014  
Archbold Biological Station, Lake Placid, FL (ABS) 2016 – 2019, 2023  
Arizona State University Insect Collection, Tempe, AZ (ASUHC) 2015, 2018, 2019, 2022  
Clemson University Arthropod Collection, Clemson, SC (CUAC) 2018  
Ed G. Riley Collection, College Station, TX (EGRC) 2016  
Field Museum of Natural History, Chicago, IL (FMNH) 2009 – 2013, 2015  
Florida State Collection of Arthropods, Gainesville, FL (FSCA) 2013 – 2025  
Gareth S. Powell Collection, Raleigh, NC (GSPC) 2015 – 2024  
Mississippi Entomology Museum, Starkville, MS (MEM) 2017  
Monte L. Bean Life Science Museum, BYU, Provo, UT (BYU) 2018  
Museo de Historia Natural, Lima, Peru (MUSM) 2025  
Museum of Comparative Zoology, Cambridge, MA (MCZ) 2016  
North Carolina State University Insect Collection, Raleigh, NC (NCSU) 2024  
Orma J. Smith Museum of Natural History, Caldwell, ID (OJSMNH) 2014  
Purdue Entomological Research Collection, West Lafayette, IN (PERC) 2009 – 2025  
R. Michael Brattain Private Collection, Lafayette, IN (RMBC) 2014, 2024  
Rich Cunningham Collection, Show Low, AZ (RCC) 2022  
Rick J. Buss Collection, Albuquerque, NM (RJBC) 2025  
Santa Barbara Museum of Natural History, Santa Barbara, CA (SBMNH) 2023  
Texas A & M University Insect Collection, College Station, TX (TAMUIC) 2016  
University of Central Florida Collection, Orlando, FL (UCFC) 2019  
University of Minnesota Insect Collection, Minneapolis, MN (UMSP) 2015  
United States National Museum of Natural History, Washington D.C. (USNM) 2016, 2017, 2022  
William B. Warner Collection, Phoenix, AZ (WBWC) 2015, 2018, 2019

## FIELDWORK (Extensive insect trapping/surveys. Most events listed below are greater than 4 field days, many less than 3 are not listed) **Totaling approximately 500 days**

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2025	Madre de Dios, <b>Peru</b>
2025	Southern Texas, <b>USA</b>
2023	Southern California, <b>USA</b>
2022	Arizona, <b>USA</b>
2019	West (Arizona, Idaho, Utah), <b>USA</b>
2018	South Carolina, <b>USA</b>
2018	Southwest (Arizona, California, Utah), <b>USA</b>
2017	Virginia/West Virginia, <b>USA</b>
2017	Mississippi, <b>USA</b>
2016 – 2018	Archbold Biological Station, Florida, <b>USA</b>
2016	Central and western Texas, <b>USA</b>
2015	Northwest (Oregon and Washington), <b>USA</b>
2015	Central Florida, <b>USA</b>
2015	Southwest (Utah, Nevada, Arizona), <b>USA</b>
2014 – 2015	University of Tennessee Research Center, Tennessee, <b>USA</b>
2014	Northwest (Idaho, Oregon, Washington), <b>USA</b>
2014	Rio Grande Valley, South Texas, <b>USA</b>
2014 – 2020	Florida Keys, Florida, <b>USA</b>
2013	Coronado National Forest, Arizona, <b>USA</b>
2013	Fort Davis, Texas, <b>USA</b>
2013	Muscatauck National Wildlife Refuge, Indiana, <b>USA</b>
2013	Brasstown Bald, Georgia, <b>USA</b>
2013	Blackwater River State Forest, Florida, <b>USA</b>

2012 – 2020	Panhandle and Central Florida, <b>USA</b> (gopher obligate survey)
2012 – 2013	Cave surveys for <i>Pseudanophthalmus</i> , 7 caves, southern Indiana and northern Kentucky, <b>USA</b>
2011 – 2013	Indiana Dunes State Park, Indiana, <b>USA</b>
2011 – 2013	Shades State Park, Indiana, <b>USA</b>
2011 – 2012	Kankakee Sands, Indiana, <b>USA</b>
2011	California, Oregon, Washington, <b>USA</b>
2011	Southern Indiana, <b>USA</b>
2011	Central Florida, <b>USA</b>
2010 – 2012	Brown County State Park, Indiana, <b>USA</b>
2010	Southeastern Arizona, <b>USA</b>
2009	Southern Arizona, Southern New Mexico, <b>USA</b>
2008	CATIE, Turrialba; Guanacaste; Cahuita; <b>Costa Rica</b>
2006 – 2013	Ross Hills Park, Indiana, <b>USA</b>

## PROFESSIONAL SOCIETIES

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2021 – present	The Michigan Entomological Society
2019 – present	Entomological Society of America (ESA)
2017 – present	Center for Systematic Entomology (CSE)
2014 – present	The Entomological Collections Network (ECN)
2010 – present	The Coleopterists Society

## COMMUNITY OUTREACH

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2017	Assisted with week-long “Bug Camp” for middle and high school students at the University of Florida
2017 – 2018	4-H Insect Collection Judge
2015 – present	Organized and hosted “sorting parties” in the museum on Saturdays throughout the year
2015 – present	Presented about insects important to human health at the University of Florida Health Fair
2014 – present	Grading final insect collections of Insect Classification class for University of Florida
2014 – 2019	Presented about insects important to agriculture at the Florida State Fair
2013 – present	Tours given of the Florida State Collection of Arthropods to undergraduate and graduate students, members of the public, and visiting academics
2012 – 2013	4-H Indiana State Fair Insect Collection Judge
2012	Hosted workshops on insect collecting and preparation to 4-H county entomology club
2012	Co-organized BioBlitz at Kankakee Sands, IN, Nature Conservancy property with approximately 100 participants
2009 – 2012	Aided in determinations for several Indiana Academy of Science BioBlitz events

## PROFESSIONAL SERVICE

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### Review Editor

2021 – present	The Coleopterists Bulletin: Scarabaeoidea; small families
2020 – present	Insecta Mundi: Coleoptera

### Board of Directors

2017 – present	Center for Systematic Entomology (CSE)
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### Journal Referee

The Coleopterists Bulletin, The Great Lakes Entomologist, Insecta Mundi, Proceedings of the Entomological Society of Washington, Zootaxa, Linzer biologische Beiträge, Faunitaxys, Revista Chilena de Entomologia

## MENTORING/TRAINING

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Gareth S. Powell, undergraduate student, Purdue University, Department of Entomology: collecting and trapping techniques, insect identification, general dissecting practices, use of Helicon Focus image-stacking system on Nikon SMZ 1500 microscope

Katherine M. Arguez, undergraduate student, University of Florida, Department of Entomology: collecting and trapping techniques, insect identification, general dissecting practices, Auto-Montage imaging systems

Krystal L. Ashman, graduate student, University of Florida, Department of Entomology: collecting and trapping techniques, insect identification, general dissecting practices, scientific publishing

Lily A. Deeter, graduate, University of Florida, FDACS: field techniques, insect identification, scientific publishing, molecular techniques

Mayumi A. Needham, technician, FDACS-DPI: field techniques, insect identification, scientific publishing, molecular techniques, general dissecting practices, use of image-stacking software

Emily E. Roeder, technician, FDACS-DPI: field techniques, insect identification, scientific publishing, molecular techniques, general dissecting practices, use of image-stacking software

## RELEVANT SKILLS

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- 10+ years of experience maintaining supplies and personnel in a diverse 12.5 million specimen collection
- Experience managing 60+ loans every year and 100,000+ specimens donated annually
- Experience with forms and paperwork for international shipments
- Extensive knowledge and experience with specimen preparation, storage, and shipping
- Experience with creating catalogs and databasing in TaxonWorks
- Imaging with Auto-Montage and Helicon Focus imaging systems
- Image editing with Adobe Photoshop and Illustrator (image manipulation and digitization)
- Basic skills in genetic extraction, PCR, and molecular analyses
- Expert at genus-level identification for North American Coleoptera, with species-level specialization in five major lineages
- Proficient at order and family level identification for North American insects at large
- Extensive experience in insect genitalia dissections for identification purposes
- Experience and knowledge in slide making for identification purposes
- Extensive knowledge and experience in field techniques, both active and passive, for many orders
- Knowledge and experience setting up surveys for the insects of numerous parks and biological stations
- Knowledge and experience applying for and maintaining permits for domestic research
- Experience designing and building novel traps for understudied niches