

Lacie G. Newton
Pronouns: she, her, hers
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RESEARCH INTERESTS

Systematics; Araneae; mygalomorph spiders; speciation pattern and process; phylogeography; molecular phylogenetics; character evolution.

EDUCATION

- **PhD student**, Department of Entomology and Nematology, University of California, Davis, in progress (June 2022).
- **BS**, Biological Sciences, Millsaps College, May 2016.

AWARDS / SCHOLARSHIPS / FELLOWSHIPS

- 2nd Place for Oral Student Paper Presentation Award, American Arachnological Society, June 2019.
- George H. Vansell Scholarship, UC Davis, 2019-2020.
- McBeth Memorial Scholarship, UC Davis, 2020-2021.
- Graduate Research Mentorship Fellowship, UC Davis, 2020-2021.

PRESENTATIONS

- “Species delimitation of the *Antrodiaetus unicolor* species complex using a 3RAD approach”, American Arachnological Society, June 2019.

TEACHING EXPERIENCE

- “Introduction to Cell Biology”, Undergraduate Teaching Assistant, Millsaps College, August 2014-December 2015.
- “General Zoology”, Undergraduate Teaching Assistant, Millsaps College, January-May 2016.
- “Introduction to Biology”, Graduate Teaching Assistant, Auburn University, August-December 2017.
- “Introduction to Biology: Biodiversity and the Tree of Life”, Graduate Teaching Assistant, UC Davis, April 2019 – March 2020.

FIELDWORK

- July 2014 and 2015, US Southwest, Undergraduate courses “Arizona Arachnology” and “Biology of Scorpions”, collected various arachnid specimens for diverse research projects and lab courses, Millsaps College.
- March 2018 - May 2018, Extensive fieldwork in Mississippi, Alabama, Virginia, and West Virginia collecting *Antrodiaetus* specimens for molecular data, Auburn University.

- May 2020 – present, collecting coastal dunes species of the trapdoor spider genus *Aptostichus* for molecular data, UC Davis.

WORKSHOPS

- Bioinformatics Boot Camp, Auburn University, June 2016.
- Graduate Teaching Community, UC Davis, April-June 2019.

PUBLICATIONS

- **Newton LG**, Starrett J, Hendrixson BE, Derkarabetian S, Bond JE. Integrative species delimitation reveals cryptic diversity in the southern Appalachian *Antrodiaetus unicolor* (Araneae: Antrodiaetidae) species complex. *Mol Ecol.* 2020: 1-19. <https://doi.org/10.1111/mec.15483>.
- Bond JE, Godwin RL, Colby JD, **Newton LG**, Zahnle XJ, Agnarsson I, Hamilton CA, Kuntner M. An assessment of the state of spider taxonomy over the last decade and the insights it provides regarding the taxonomic crisis, in prep.

AFFILIATIONS / INVOLVEMENT

- 2015-2016, Madison Central High School Science Fair, Judge
- 2015-2016, Beta Beta Beta Biology Honorary, Volunteer Tutor
- 2015, Mississippi Natural Science Museum, “Park after Dark” Volunteer
- 2016-2017, Auburn University Museum of Natural History, Open House Volunteer
- 2016-present, American Arachnological Society, Student Member
- 2019-2020, Bohart Museum of Entomology, Biodiversity Day and Eight-Legged Wonders Volunteer
- 2019-present, Society of Systematic Biologists, Student Member
- 2019-present, Equity in Science, Technology, Engineering, Math, and Entrepreneurship (ESTEME) Organization, Graduate Student Mentor for Undergraduate Mentoring Program
- Jan 2020-present, GOALS – Girls’ Outdoor Adventure in Leadership and Science, Volunteer for Admissions Committee
- Sep 2019-present, Entomology Graduate Student Association Officer, Graduate Student Association General Assembly Entomology Representative