**EDUCATION**

*Doctor of Philosophy, Entomology,* the University of California-Davis, June 2023

*B.S. Agriculture, Major: Entomology*, The Ohio State University, May 2017, *magna cum laude*

* Minor: Music

**PUBLICATIONS**

## Griebenow, Z. H. (accepted). Systematic revision of the ant subfamily Leptanillinae (Hymenoptera, Formicidae). *ZooKeys*, x, xx-xxx.

## Griebenow, Z. H., Richter, A., van de Kamp, T., Economo, E. P., and Lieberman, Z. E. (accepted). Comparative morphology of male genital skeletomusculature in the Leptanillinae (Hymenoptera: Formicidae), with a standardized muscular terminology for the male genitalia of Hymenoptera. *Arthropod Systematics & Phylogeny*, x, xx-xxx.

## Boudinot, B. E., Khouri, Z., Richter, A., Griebenow, Z. H., van de Kamp, T., Perrichot, V., and Barden, P. (preprint). Evolution and systematics of the Aculeata and kin (Hymenoptera), with emphasis on the ants (Formicoidea: †@@@idae fam. nov., Formicidae). <https://www.biorxiv.org/content/10.1101/2022.02.20.480183v1>

## Griebenow, Z. H., Isaia, M., and Moradmand, M. (2022). Discovery of a troglomorphic ant (Hymenoptera: Formicidae: Leptanillinae: *Yavnella laventa* sp. nov.) in southwestern Iran, with the first description of the worker caste of *Yavnella* Kugler. *Invertebrate Systematics*, 36, 1118-1138.

## Griebenow, Z. H. (2021). Synonymisation of the male-based ant genus *Phaulomyrma* (Hymenoptera, Formicidae) with *Leptanilla* based upon Bayesian total-evidence phylogenetic inference. *Invertebrate Systematics,* 35(6), 603-636.

## Griebenow, Z. H. (2020). Morphological and phylogenomic delimitation of tribes in the subfamily Leptanillinae (Hymenoptera: Formicidae), with a description of the male of *Protanilla lini* Terayama, 2009. *Myrmecological News*, 30, 229-250.

* **Griebenow, Z. H.;** Jones, S. C.; and Eaton, T. D. (2017). Seeking quantitative morphological characters for species identification in soldiers of Puerto Rican *Heterotermes* (Dictyoptera: Blattaria: Termitoidae: Rhinotermitidae). *ZooKeys, 725,* 17-29. <https://doi.org/10.3897/zookeys.725.20010>
* **Griebenow, Z. H.** (2017). Unusual owl moth find in Ohio. *The Ohio Lepidopterist, 39*(3), n.pg.

**PROFESSIONAL EXPERIENCE**

**Graduate Research**

*Ward Laboratory,* the University of California-Davis, September 2017-June 2023

* Advisor: Philip Ward
  + Dissertation: Systematic Revision of the Ant Subfamily Leptanillinae (Hymenoptera: Formicidae) based on Reciprocal Illumination from Phylogenomics & Morphology
    - [Exit seminar](https://video.ucdavis.edu/media/Zachary+Griebenow+-+Systematic+Revision+of+the+Obscure+Ant+Subfamily+Leptanillinae+%28HymenopteraA+Formicidae%29%2C+Reciprocally+Informed+by+Phylogenomic+Inference+and+Morphological+Data/1_t7656skc)

**Independent Undergraduate Research with Distinction**

*Rothenbuhler Bee Lab,* The Ohio State University, September 2015-August 2017

* Researched species delimitation in Caribbean *Heterotermes* spp. (Blattaria: Termitoidae: Rhinotermitidae: Heterotermitinae)

**Research Assistant**

*Triplehorn Insect Collection,* The Ohio State University, September-December 2014, March-April 2015

**Curatorial Assistant**

*Triplehorn Insect Collection*, The Ohio State University, September 2013-April 2014, June-July 2016, January-July 2017

**HONORS and AWARDS**

* Received Laidlaw-Smith grant ($4,082) from Dept. of Entomology & Nematology, UC-Davis, on behalf of Ward Laboratory; April 2023
* Winner of the ESA President’s Prize for 10-minute talk on thesis project in “SysEB – Evolution 1” section, November 14, 2022
* Received the ESA Systematics, Evolution & Biodiversity Travel Award ($1,500), June 2022
* Placed 2nd in Hymathon (hosted by the International Society of Hymenopterists) student competition, March 30, 2022
* Received the Ernst Mayr Travel Grant from the Museum of Comparative Zoology ($1,120), May 2020
* Member of the University of California-Davis’ Entomology Games team (2018-2022), winning 1st place in the Entomological Society of America’s (ESA) 2018 and 2022 Entomology Games national championships
* Member of The Ohio State University’s Entomology Games team (2017), winning 2nd place in ESA national championship
* Placed 2nd in undergraduate category at the Ohio Entomological Association’s Research Forum, November 4, 2016
* Received Research Scholar Award ($1,000) to aid undergraduate research project; August 2016

**PROFESSIONAL PRESENTATIONS**

* **Griebenow, Z. H.** (2022). Systematic revision of the obscure ant subfamily Leptanillinae (Hymenoptera: Formicidae), reciprocally informed by phylogenomic inference and morphological data. In-person presentation at the joint annual meeting of the Entomological Society of America, November 14, Vancouver, BC.
* **Griebenow, Z. H.,** Lieberman, Z. E., Richter, A., Fischer, G., Economo, E., & van de Kamp, T. (2022). “*Iä*! Noonilla *fhtagn*!” Description of bizarre male genital skeletomusculature in the ant subfamily Leptanillinae (Hymenoptera: Formicidae). In-person presentation at the annual meeting of the Pacific Branch of the Entomological Society of America, April 1, Santa Rosa, CA.
* **Griebenow, Z. H.,** Lieberman, Z. E., Richter, A., Fischer, G., Economo, E., & van de Kamp, T. (2022). “*Iä*! Noonilla *fhtagn*!” Description of bizarre male genital skeletomusculature in the ant subfamily Leptanillinae (Hymenoptera: Formicidae). Live virtual presentation, at “Hymathon”, hosted by the International Society of Hymenopterists, March 30.
* **Griebenow, Z. H.,** Moradmand, M., & Isaia, M. (2021). Discovery of a putative troglomorphic ant (Hymenoptera: Formicidae: Leptanillinae). In-person presentation at the annual meeting of the Entomological Society of America, November 1, Denver, CO.
* **Griebenow, Z. H.,** Moradmand, M., & Isaia, M.(2021). Discovery of a putative troglomorphic ant (Formicidae: Leptanillinae: *Leptanilla* sp.) in southwestern Iran. Live virtual presentation at “Hymathon”, hosted by the International Society of Hymenopterists, May 6.
* **Griebenow, Z. H.** (2020). Total-evidence Bayesian inference and the phylogeny of aberrant ants (Formicidae: Leptanillinae). On-demand presentation at the virtual annual meeting of the Entomological Society of America, November.
* **Griebenow, Z. H.,** Fischer, G., & Economo, E. (2019). Total-evidence analysis of male Leptanillinae (Hymenoptera: Formicidae) clarifies phylogeny of male-based taxon *Phaulomyrma*. Presentation at the annual meeting of the Entomological Society of America, November 18, St. Louis, MO.
* **Griebenow, Z. H.,** Fischer, G., & Economo, E. (2019). Preliminary characterization of male morphology in the Leptanillinae (Hymenoptera: Formicidae) for phylogenetic inference. Presentation at the annual North American meeting of the International Society of Hymenopterists, November 17, St. Louis, MO.
* **Griebenow, Z. H.,** Fischer, G., & Economo, E. (2018). Preliminary characterization of male morphology in the Leptanillinae (Hymenoptera: Formicidae) for phylogenetic inference. Presentation at the annual meeting of the Entomological Society of America, November 6, Vancouver, BC.
* **Griebenow, Z. H.,** Jones, S. C., & Eaton, T. D. (2017). Revision of Diagnostic Morphological Traits in Three Caribbean Species of *Heterotermes* (Dictyoptera: Rhinotermitidae). Virtual poster at the annual meeting of the Entomological Society of America, Denver, CO.
* **Griebenow, Z. H.,** Jones, S. C., & Eaton, T. D. (2017). Revision of Diagnostic Morphological Traits in Three Caribbean Species of *Heterotermes* (Dictyoptera: Rhinotermitidae). Presentation at the annual meeting of the North Central Branch of the Entomological Society of America, June 7, Indianapolis, IN.
* **Griebenow, Z. H.,** Jones, S. C., & Eaton, T. D. (2016). Revision of Diagnostic Morphological Traits in Four Caribbean Species of *Heterotermes* (Isoptera: Rhinotermitidae). Presentation at the annual meeting of the Ohio Valley Entomological Society, November 4, Purdue University, West Lafayette, IN.
* **Griebenow, Z. H.,** Jones, S. C., & Eaton, T. D. (2016). Revision of Diagnostic Morphological Traits in Four Caribbean Species of *Heterotermes* (Isoptera: Rhinotermitidae). Poster presented at the 21st annual Denman Undergraduate Research Forum, March 30, The Ohio State University, Columbus, OH.
* **Griebenow, Z. H.,** Jones, S. C., & Eaton, T. D. (2016). Revision of Diagnostic Morphological Traits in Four Caribbean Species of *Heterotermes* (Isoptera: Rhinotermitidae). Poster presented at the CFAES Undergraduate Research Forum, February 18, The Ohio State University, Columbus, OH.

**EXTENSION**

*“Superfamilies Stephanoidea, Megalyroidea, & Trigonaloidea”*. In: Biodiversity & Classification of Wasps (1st edition), pp. 349-360. (State College: Pennsylvania State University Libraries).

* Eds.: Nastasi, L. F.; Kresslein, R. L.; Fowler, K. O.; Flores, S. R. F.

*Guest Lecture, BIO 155.01: Systematics, Ateneo de Manila University,* Quezon City, Philippines; September 1, 2022

*“Bio Boot Camp”*, Bohart Museum of Entomology/Campus Recreation Youth Programs, University of California, Davis; July 25-29, 2022

* Counselor for middle-school day camp in biology, with overnight camping trip to Sagehen Creek Field Station

*DCCNS Cooperative Preschool*, Davis, CA; May 3, 2022; February 11, 2020

* Showed pre-K through kindergarten students specimens from personal insect collection under microscope

*Skype a Scientist*, February 3, 2022; April 10, 2021

* Made general presentations on entomology via Zoom

*Bohart Open House,* Bohart Museum of Entomology; UC-Davis; May 21, 2023; January 18, 2020

*Picnic Day, University of California-Davis,* volunteer at Entomology & Nematology Department’s Picnic Day open house; April 13, 2019; April 21, 2018

*Biodiversity Museum Day,* Bohart Museum of Entomology; UC-Davis; February 16, 2019; February 15, 2020; February 13, 2021 (virtual); March 6, 2022; February 18, 2023

*Roseville Bug & Bird Bonanza,* volunteer for Bohart Museum of Entomology exhibit; February 2, 2019

*Explorit Science Center,* volunteer for Bohart Museum of Entomology exhibit; October 15, 2018

*“Engaging with Insects” 4-H Camp,* volunteer, June 26-June 30, 2017; June 26-June 30, 2016

* Mentored group of four middle-school-aged children along with another adult, teaching curatorial practices and aiding creation of student insect collections

*“Life, et al.”, Entomology Blogger*, December 2012-December 2018

* Personal blog written almost exclusively about entomological topics
  + http://gentlecentipede.blogspot.com/

*“The Daily Entomologist” Blogger, University of Kentucky,* July 2012-May 2016

* Writer by invitation of Dr. Blake Newton for official university entomology blog
  + http://ukyentomology.blogspot.com/

*Museum of Biological Diversity: Triplehorn Insect Collection*, Museum Open Houses, February 8, 2014; April 23, 2016; and April 23, 2017

* Answered visitors’ queries as regarded the contents of given display drawers, 10:00 a.m.-4:00 p.m.

*Sycamore Creek Elementary*, Fall Festival, September 24, 2014

* Spoke to roughly 700 children on subject of entomology at request of event organizer, displaying a sizable portion of personal collection and explaining basic curatorial practices

*Independent homeschooling group,* June 2013

* Taught ten elementary/middle-school age children basic insect field identification skills, assisting them in creation of insect collections

**SERVICE**

* *Laboratory Safety Officer, Ward Laboratory;* October 2020-June 2023
* *Teaching Assistant, Entomology 107, “California Insect Diversity”, UC-Davis;* Spring Quarter 2023
* *Proctor, Grader, & Guest Lecturer; Entomology 010, “Natural History of Insects”; UC-Davis;* Winter Quarters 2019-23
* *Teaching Assistant, Entomology 109, “Insect Taxonomy & Field Ecology”; UC-Davis;* Spring Quarter 2022
* *Teaching Assistant, Entomology 100L, “General Entomology”; UC-Davis;* Autumn Quarter 2021
* *Entomology Graduate Student Association, UC-Davis;* Secretary, August 2021-May 2022; Vice President, September 2019-July 2020; representative to university-wide Graduate Student Association, September 2018-May 2019
* *Guest Speaker,* “To Tell a Story” senior high school project, Da Vinci Charter Academy, Davis, CA; January 29, 2021
* *Teaching Assistant, Biological Sciences 2C, UC-Davis;* Winter Quarters 2018-9
* *Alpha Zeta Partners,* CFAES Student Council Representative, August 2016-May 2017; Appeals Board Representative for cohort, April 2015-May 2016
* *Ohio State University Collective of Undergraduate Entomologists (Chrysalis),* President, October 2016-May 2017; Treasurer, October 2015-October 2016

**ADDITIONAL EXPERIENCE**

* “Ant Course”, California Academy of Sciences; Cuc Phuong NP, Vietnam; August 1-13, 2022
* Seminar on Hybrid College Teaching (EDU 398), Center for Educational Effectiveness, UC-Davis; Spring Quarter 2021
* Bodega Applied Phylogenetics Workshop, UC Davis; May 25-June 1, 2019
* Termite Biology & Control Workshop, IFAS, University of Florida; June 19-25, 2017
* *Alpha Zeta Partners,* study abroad in Brazil; The Ohio State University; January-February 2015
* Week-long study abroad trip to Ecuador; College of Food, Agricultural, & Environmental Sciences; The Ohio State University; December 2013