

Kathryn A. LeCroy, Ph.D.

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[Google Scholar](#)

Summary

- Broadly-trained pollination ecologist studying pollinators and their diseases
- Strong record of innovative community-building and mentorship through scientific inquiry
- Passionate about developing transformative learning experiences for undergraduate students

APPOINTMENTS

United States Department of Agriculture Postdoctoral Fellow, Oct 2022 – Present
Cornell University Department of Entomology

- PI: Scott McArt

Postdoctoral Associate, Cornell University Department of Entomology Oct 2021 – Sept 2022

- PI: Scott McArt

EDUCATION

Ph.D. Environmental Sciences, University of Virginia (UVA) Jan 2015 –
Aug 2021

- Concentration: Ecology
- Dissertation: Native Mason Bees Decline in the Wake of Non-Native Mason Bee Introductions
- Committee: T'ai Roulston (Advisor), David Carr, Jessamyn Manson, Kevin Grise

M.S. Biological Sciences, University of Pittsburgh (U. Pittsburgh) Jul 2012 –
Dec 2014

- Concentration: Ecology and Evolution
- Thesis: Floral color assembly of serpentine seep communities in northern California, USA
- Committee: Tia-Lynn Ashman (Advisor), Susan Kalisz, Stephen Tonsor

B.S. Biology *cum laude*, Birmingham-Southern College (BSC), Birmingham, AL Aug 2008 –
May 2012

- Biology Senior Thesis: Pollen presence on nocturnal moths in the Ketona dolomite glades of Bibb County, Alabama
- Honors Scholar Thesis: Early 19th-century expressions of popular botany through sentimentalism in American gift books

FELLOWSHIPS AND GRANTS (\$534,656 total: \$444,484 in fellowships, \$90,172 in grants)

2022-2024 **United States Dept. of Agriculture Nat'l Inst. Food and Agriculture (USDA NIFA) Postdoctoral Fellowship** (\$156,484 + \$53,149 Research Grant)

2020-2021 **Jefferson Scholars Foundation Dissertation Fellowship** (\$20,000 + \$1,500 Research Grant)

2019-2020 University of Virginia "Double Hoo" Graduate + Undergraduate Research Grant (\$3000)

2018-2019 UVA Environmental Sciences Department Moore Award Research Grant (\$5,000)

2018-2019 UVA "Double Hoo" Graduate + Undergraduate Research Grant (\$5,623)

2018-2020 **Jefferson Scholars Foundation Fellowship** (\$58,000 + \$5,000 Research Grant)

2017-2021 UVA Blandy Experimental Farm Summer Research Fellowships (\$30,000 in Fellowships + \$4,500 in Research Grants)

2017-2019 UVA Environmental Sciences Department Travel Grants (\$2,400)

2017 Garden Club of Virginia Research Grant (\$5,000)

2013-2017 **National Science Foundation (NSF) Graduate Research Fellowship** (\$180,000)

2013 American Philosophical Society Lewis and Clark Fund Research Grant (\$5,000)

2011 NSF Research Experience for Undergraduates (REU) Fellowship

PEER-REVIEWED PUBLICATIONS ([GoogleScholar Profile](#)) *Denotes former undergraduate mentee*Published or In Press:*

9. Gutierrez, Grace M. *, **LeCroy, K.A.**, Roulston, T. H., Biddinger, D. J., & López-Urbe, M. M. *Osmia taurus*: A new non-native species with invasiveness potential in North America. *In Press at Environmental Entomology*.
8. Russo, L., de Keyser, C. W., Harmon-Threatt, A. N., **LeCroy, K. A.**, and MacIvor, J. S. (2021). The managed-to-invasive species continuum in social and solitary bees and impacts on native bee conservation. *Curr Opin Insect Sci* 46, 43–49. doi: [10.1016/j.cois.2021.01.001](https://doi.org/10.1016/j.cois.2021.01.001).
7. **LeCroy, K. A.**, Arceo-Gómez, G., Koski, M. H., Morehouse, N. I., and Ashman, T.-L. (2021). Floral Color Properties of Serpentine Seep Assemblages Depend on Community Size and Species Richness. *Frontiers in Plant Science* 11, 2107. doi: [10.3389/fpls.2020.602951](https://doi.org/10.3389/fpls.2020.602951).
6. **LeCroy, K. A.**, Savoy-Burke, G., Carr, D. E., Delaney, D. A., and Roulston, T. H. (2020). Decline of six native mason bee species following the arrival of an exotic congener. *Sci Rep* 10, 18745. doi: [10.1038/s41598-020-75566-9](https://doi.org/10.1038/s41598-020-75566-9). **Scientific Reports 2020 Top 100 Papers in Ecology**
5. VanZandt, P. A., Johnson, D. D., Hartley, C., **LeCroy, K. A.**, Shew, H. W., Davis, B. T., et al. (2020). Which moths might be pollinators? Approaches in the search for the flower-visiting needles in the Lepidopteran haystack. *Ecological Entomology*. doi: [10.1111/een.12782](https://doi.org/10.1111/een.12782).
4. Carr, D. E., Haber, A. I., **LeCroy, K. A.**, Lee, D. E., and Link, R. I. (2015). Variation in reward quality and pollinator attraction: the consumer does not always get it right. *AoB PLANTS* 7. doi: [10.1093/aobpla/plv034](https://doi.org/10.1093/aobpla/plv034).
3. Koski, M. H., Meindl, G. A., Arceo-Gómez, G., Wolowski, M., **LeCroy, K. A.**, and Ashman, T.-L. (2015). Plant–flower visitor networks in a serpentine metacommunity: assessing traits associated with keystone plant species. *Arthropod-Plant Interactions* 9, 9–21. doi: [10.1007/s11829-014-9353-9](https://doi.org/10.1007/s11829-014-9353-9).
2. **LeCroy, K. A.**, Shew, H. W., and VanZandt, P. A. (2013). Pollen presence on nocturnal moths in the Ketona Dolomite glades of Bibb County, Alabama. *Southern Lepidopterists' News* 35, 136–142. [Article URL](#)
1. **LeCroy, K. A.** (2013). Early 19th-century expressions of popular botany through sentimentalism in American gift books and annuals. *Plant Science Bulletin* 59, 59–65. doi: [10.3732/psb.1200001](https://doi.org/10.3732/psb.1200001).

In Review or In Revision:

10. **LeCroy, Kathryn A.**, Krichilsky E., Grab, H., Roulston, T. H., & Danforth B. N. Spillover of chalkbrood fungi to native solitary bee species from non-native congeners. *In Revision*.

SELECTED HONORS AND AWARDS

2021	UVA Environmental Sciences Student Excellence Award (student of the year award)
2019	Huskey Research Exhibition Honoree, University of Virginia
2018	Raven Society Initiate, University of Virginia
2017	Entomological Society of America's Competition for the President's Prize, 2 nd place
2013	Nominee, U. Pittsburgh Elizabeth Baranger Excellence in Teaching Award
2013	Public Policy Award, Botanical Society of America
2012	Emanuel D. Rudolph Award, Botanical Society of America
2012	Beta Beta Beta Biological Honors Society Senior Award, Birmingham-Southern College
2012	Harrison Honors Scholars Program Senior Award, Birmingham-Southern College
2008	Intel International Science and Engineering Fair Finalist, Fourth Place
2006	Intel International Science and Engineering Fair Finalist

TEACHING AND MENTORING EXPERIENCES

- Fall 2022 Instructor of Record, Cornell University, Department of Entomology
- BIOG 1250: How Do We "Save the Bees"?
 - Instructed undergraduate seminar-style course (17 freshman-senior students)
 - Taught weekly 90-minute classes Aug - Oct 2022 combining seminar-style discussions, mini-lectures, and group projects
- Fall 2021-Present Research Mentor, McArt Lab, Cornell University Department of Entomology
- Supervise undergraduate student researchers in the McArt Lab
 - Current mentees: Maxwell Cantelmo (c/o 2023) studying pollen specialization of *Osmia georgica*; Jeremy Gutierrez (c/o 2023) studying disease and enemy attack incidence in mason bees across the Mid-Atlantic US
- Spring 2018 Teaching Assistant, University of Virginia, Department of Environmental Sciences
- Laboratory Instructor for Applied Statistics for the Environmental Sciences
 - Instructed Graduate and Undergraduate students
 - Provided instruction in experimental design, hypothesis testing, and use of statistical methods of data analysis.
- 2017-2019 Research Mentor, UVA Mason Bee Research Team
- 31 undergraduates each worked 2 hours/week per semester in laboratory with direct, personalized supervision
 - Provided consistent mentorship to all students
 - Facilitated frequent article readings and discussions
 - Assisted students in successfully applying to other research opportunities and internships matching their interests
 - Independent Research Project, Dawson Little, UVA '21: Poster at Southeastern Pop. Ecol. & Evol. Gen. (SEPEG) 2019 Conference
 - Independent Research Project, Nayoung Lee, UVA '20: Poster at Entomological Society of America 2019 Conference
- Fall 2017 Head Teaching Assistant, University of Virginia, Department of Environmental Sciences
- Head Laboratory Instructor for Fundamentals of Ecology Laboratory
 - Updated and augmented course lab equipment & supplies
 - Coordinated logistics of fieldtrips for all six lab sections
 - Utilized UVA Center for Teaching Excellence for in-class observation, student-led focus group, and follow-up consultation
- 2016-2021 Coordinator, UVA Environmental Sciences Undergraduate Research Mentoring Program
- Held 1-on-1 consultations with undergraduates about research opportunities
 - Recruited and hosted panels for undergraduates about their topics of interest
 - Collected data on undergraduate engagement with research labs in the Environmental Sciences Department
 - Maintained listing of available opportunities within the Department for undergraduates on program webpage
- Fall 2015 Grading Assistant, UVA Environmental Sciences, Resources & the Environment
- Summer 2013 Teaching Assistant, University of Pittsburgh Department of Biological Sciences
- Ecology & Ecology Laboratory
 - Taught natural history, fieldwork techniques, general scientific methodology
- 2012-2014 Volunteer, University of Pittsburgh Department of Biological Sciences PittBio Outreach
- Developed dynamic educational program about pollination for children ages 4-15 in Hill District of Pittsburgh

- 2011-2012 Science Coordinator, BSC Bunting Center for Engaged Study & Community Action
- Science Workshop Coordinator for local not-for-profit Desert Island Supply Company for students ages 8 – 12
 - Planned and executed workshops incorporating creative writing elements, with focus on insect and plant ecology
 - Initiated interdisciplinary relationships on campus, marketed events
- 2010-2018 Science Mentor, PlantingScience, Botanical Society of America
- Mentored teams of 3-7 U.S. high school and middle school students online through the PlantingScience program
 - Gave feedback on hypotheses formation & troubleshooting experimental design

GUEST LECTURES & WORKSHOPS

BIOMI 3990 Professional Skills for Host-Microbe Interactions Research, Cornell University. March 23, 2022.
 ENTOM 450 Basic and Applied Insect Ecology, U Wisconsin-Madison Entomology. October 28, 2021.
 Pollinator Workshop, Harrisonburg High School Governor's STEM Academy. July 9, 2021
 BIOL 4450 Plant-Animal Interactions, UVA Department of Biology. September 20, 2018.
 BIOL 4450 Plant-Animal Interactions, UVA Department of Biology. September 28, 2017.
 3rd grade science class, Lipscomb Elementary School. Bessemer, AL. April 6, 2017
 BIOSC 0160 Foundations of Biology 2, U. Pittsburgh Biological Sciences. March 31, 2014.
 BIOSC 0160 Foundations of Biology 2, U. Pittsburgh Biological Sciences. April 2, 2014.
 BIOSC 1350 Plant Biology, U. Pittsburgh Biological Sciences, November 14, 2013.

SELECTED MEDIA COVERAGE OF RESEARCH EFFORTS

Massive Science, [“Backyard data in six US states shows that native mason bees are declining”](#) (12 Mar 2021).
 PolliNation Podcast, [“Kate LeCroy – Exotic Mason Bees.”](#) Oregon State Univ. Extension Service (4 Dec 2020).
 UVAToday, [“As Mid-Atlantic’s Native Bee Populations Decline, An Exotic Species Proliferates.”](#) (5 Nov 2020).
 UVAToday. [“UVA Research Team Hunts Down Exotic Mason Bees.”](#) (15 April 2019).
 UVAToday. [“With Help From ‘Citizen Scientists,’ UVA Researchers Count Virginia’s Bees.”](#) (28 June 2017).
 Riverine Master Naturalist Newsletter. [“Recipe for Citizen Science: Mason Bee Monitoring Project.”](#) (2017).
 Arlington VMN Blog. [“A mason bee monitoring project observes Virginia’s native bees.”](#) (18 July 2017).

PRESENTATIONS (65) * Denotes undergraduate mentee / ** Denotes community scientist

Academic Conference Presentations:

- **LeCroy, Kathryn A.**, Tobias G. Mueller, Chris Allgyer**, Paxton W. Allgyer**, Gena D. Kiser**, Phillip L. Meeks**, Elizabeth A. Walker**, Tory A. Hendry, Scott H. McArt. Co-introductions of managed bees and their diseases contribute to native bee species declines. 2022 Entomological Society of America meeting, November 15, 2022. Vancouver, BC, Canada. *Invited Oral Symposium Presentation in “Diverse Perspectives on Pollinator Stressors”*
- **LeCroy, Kathryn A.** Differential parasitism of native and non-native mason bees across landcover types. 2022 Orchard Bee Association Annual Meeting, October 1, 2022. Logan, UT. *Invited Oral Presentation.*
- **LeCroy, Kathryn A.** & T'ai Roulston. “Native mason bees decline in the wake of non-native mason bee introductions.” Entomological Society of America Eastern Branch Meeting, April 26, 2022. *Invited Oral Symposium Presentation in “Beneficial or Not, Here They Come: Biological Traits of Recently Expanding Insect Populations.”*
- **LeCroy, Kathryn A.**, Erin Krichilsky, T'ai Roulston, Heather Grab, & Bryan Danforth. “Co-introductions of consequence: Associations of bee-specialist fungi (*Ascosphaera* spp.) from Asia with native and non-native mason bees (*Osmia* spp.) in North America.” 2021 Entomological Society of America meeting, November 2021. Accepted Virtual Oral Presentation.
- **LeCroy, Kathryn A.** “Decline of six native mason bee species following the arrival of an exotic mason bee.” 2020 Orchard Bee Association Conference (All-Virtual), Dec. 11, 2020. *Invited Oral Presentation.*
- **LeCroy, Kathryn A.**, Grace Savoy-Burke, Sam Droege, Deborah Delaney, & T'ai Roulston. “Fifteen years of replicated pan-trapping efforts reveal declines in native *Osmia* and concurrent surge in exotic *Osmia* across the Mid-Atlantic United States.” 2019 Entomological Society of America meeting, November 18, 2019. St. Louis, MO. Accepted Oral Presentation.

- Lee, Nayoung*, **Kathryn A. LeCroy**, & T'ai Roulston. – “Elevation and mean winter temperatures differentially impact the distribution of two non-native mason bee species (genus *Osmia*) across the Commonwealth of Virginia.” 2019 Entomological Society of America meeting, November 18, 2019. St. Louis, MO. Accepted Poster Presentation.
- Little, Dawson*, **Kathryn A. LeCroy**, Margarita López-Urbe, Sam Droege, & T'ai Roulston. “Differential distributions of *Osmia texana* (Hymenoptera: Megachilidae) across the United States: a tale of two species?” 2019 Southeastern Population Ecology and Evolutionary Genetics Conference, October 5, 2019. Clemson, SC. Accepted Poster Presentation.
- **LeCroy, Kathryn A.**, Grace Savoy-Burke, Sam Droege, Debbie Delaney, & T'ai Roulston “Rapid proliferation of an exotic mason bee (genus *Osmia*) in the Mid-Atlantic United States.” 2019 Ecological Society of America meeting, August 15, 2019. Louisville, KY. Accepted Poster Presentation.
- **LeCroy, Kathryn A.**, Erin Krichilsky, T'ai Roulston, Heather Grab, & Bryan Danforth. “Foreign fungi in native bees across the Commonwealth of Virginia.” 2019 International Pollinator Conference, July 20 2019. Davis, CA. Accepted Oral Presentation.
- **LeCroy, Kathryn A.** & T'ai Roulston. “Evaluation of bee hotels as an effective conservation tool for spring-emerging mason bees (genus *Osmia*) in the Commonwealth of Virginia.” Entomological Society of America 2017 Conference, November 6, 2017. Accepted Poster Presentation. ESA Student Competition for the President's Prize Award.
- **LeCroy, Kathryn A.** “Mason bee monitoring in Virginia.” United States Department of Agriculture Listening Session for National Monitoring Plan for Native Bees. June 28, 2017. Washington, D.C. Accepted Oral Presentation.
- Carr, David E., **Kathryn A. LeCroy**, D'Aisha Lee, Rosalie I. Link. “Using the *Mimulus guttatus* species complex to understand the mechanisms of pollinator attraction.” 2014 Botanical Society of America meeting, July 30 2014. Boise, ID. Invited Symposium Presentation.
- **LeCroy, Kathryn A.**, M. H. Koski, N. I. Morehouse, G. Arceo-Gomez, G. A. Meindl, & T.-L. Ashman. “Floral color assembly of serpentine seep communities in northern California, USA.” 2014 Botanical Society of America meeting, July 28, 2014. Boise, ID. Accepted Poster Presentation.
- **LeCroy, Kathryn A.**, W. Shew, & P. A. Van Zandt. “An analysis of nocturnal moth visitation to the flora of the dolomite glades of Bibb County, Alabama, USA.” Ecological Society of America 2012. August 7, 2012. Portland, OR. Accepted Poster Presentation.
- **LeCroy, Kathryn A.** “Botanical literature in 19th-century gift books and annuals” 2012 Botanical Society of America Historical section meeting, July 10, 2012. Columbus, OH. Emanuel D. Rudolph Award. Accepted Oral Presentation.
- **LeCroy, Kathryn A.** & D. E. Carr. “Assessment of the reproductive fitness costs of plant defense investments and inbreeding in *Mimulus guttatus*.” Association of Southeastern Biologists Conference, April 5, 2012. Athens, GA. Accepted Poster Presentation.

University Presentations:

- **LeCroy, Kathryn A.** “Saving the Bees: research on native mason bees and the drivers of their declines.” Birmingham-Southern College Natural Sciences Seminar Series, Oct. 13, 2022. Birmingham, AL. (Approx. 85 attendees). Invited Oral Presentation.
- **LeCroy, Kathryn A.** “Results from a disease challenge and pollen diet switch bioassay using a specialist and generalist mason bee (genus *Osmia*).” Cornell University Plant-Insect Group (PIG). Sept. 23, 2022. Oral Presentation.
- **LeCroy, Kathryn A.** “Co-introductions of consequence: evaluating drivers of native mason bee (*Osmia*) declines in the wake of non-native mason bee introductions.” Cornell Institute of Host-Microbe Interactions and Disease Seminar Series. June 29, 2021. Invited Virtual Oral Presentation.
- **LeCroy, Kathryn A.** “Native mason bees decline in the wake of non-native mason bee introductions.” University of Virginia Department of Environmental Sciences. May 27, 2021. Virtual Oral Presentation (118 attendees).
- **LeCroy, Kathryn A.** “Studying species diversity and disease ecology with community scientists.” Harimau Conservation Student Association, la Universidad de Puerto Rico en Humacao. Feb. 8, 2021. Invited Virtual Oral Presentation.
- **LeCroy, Kathryn A.** “Evaluating health and diversity of wild bees with citizen scientists across the Commonwealth of Virginia.” University of Virginia Jefferson Fellows Symposium, February 27, 2020. Charlottesville, VA. Oral Presentation.

- **LeCroy, Kathryn A.** "Citizen scientist-fueled research: evaluating the health and diversity of wild mason bees across Virginia." Mary Baldwin University Seminar, October 4, 2019. Staunton, VA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "Rapid spread of exotic mason bees (genus *Osmia*) and their potential risks to native *Osmia* species." University of Virginia Department of Environmental Sciences 2019 Seminar Series, October 3, 2019. Charlottesville, VA. Oral Presentation.
- **LeCroy, Kathryn A.** "Foreign fungi in native bees across the Commonwealth of Virginia." UVA Blandy Experimental Farm Summer Research Forum, August 7, 2019. Boyce, VA. Oral Presentation
- Lee, Nayoung*, **Kathryn A. LeCroy**, & T'ai Roulston. "Spread of exotic mason bees in the Mid-Atlantic U.S." – UVA Office of Undergraduate Research Symposium, April 9 2019. Charlottesville, VA. Accepted Oral Presentation.
- **LeCroy, Kathryn A.** "Looked what the bee dragged in: host expansion of exotic fungi in native bees across the Mid-Atlantic US." University Virginia Department of Biology 2019 EEBio Seminar Series, March 26, 2019. Charlottesville, VA. Oral Presentation.
- **LeCroy, Kathryn A.** "Citizen scientist-fueled discovery: documenting the health and diversity mason bees (genus *Osmia*) across the Commonwealth of Virginia." UVA Graduate Huskey Research Exhibition (Top 15 Graduate-level Selected Presentations across UVA School of Arts & Sciences), March 26, 2019. Charlottesville, VA. Accepted Oral Presentation.
- **LeCroy, Kathryn A.**, Rachel Bigelow*, Cole Carrano*, Samuel Grimmelbein*, Dat Ha*, Noah Jacobs*, John Leahy*, Nayoung Lee*, Magnolia Matthews*, John McCormack*, Swathi Mukkamala*, Sara Richardson*, Sophia Rosenberg*, Sebastien Simko*, Hans Theiler*, Jing Wang*, & T'ai Roulston. "An analysis of introduced and native mason bee diversity and distribution across the Commonwealth of Virginia using trap-nesting techniques." University of Virginia EnviroDay, February 22, 2019. Charlottesville, VA. Accepted Oral Presentation.
- **LeCroy, Kathryn A.** "Tracking native and exotic mason bees (genus *Osmia*) across the Mid-Atlantic USA." UVA Blandy Experimental Farm Summer Research Forum, August 1, 2018. Boyce, VA. Oral Presentation.
- **LeCroy, Kathryn A.** "Rapid spread of exotic mason bees (genus *Osmia*) and their potential risks to native mason bee species." University of Virginia Jefferson Fellows Selection Event, April 13, 2018. Charlottesville, VA. Oral Presentation.
- **LeCroy, Kathryn A.** "Boosting inclusivity and accessibility in citizen science." University of Virginia Sustainability Leadership Forum, March 24, 2018. Charlottesville, VA. Invited Oral Presentation.
- Lee, Nayoung*, **Kathryn A. LeCroy**, & T'ai Roulston. "Evaluating Bee Hotels as Conservation Tools." University of Virginia Sustainability Committee Meeting, November 15, 2017. Charlottesville, VA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "Mason bee research at UVA." University of Virginia Undergraduate Research Fair, September 14, 2017. Charlottesville, VA. Poster Presentation.
- **LeCroy, Kathryn A.** "Mason bee diversity and invasion in the Commonwealth of Virginia." UVA Blandy Experimental Farm Summer Research Forum, August 1, 2017. Boyce, VA. Oral Presentation.
- **LeCroy, Kathryn A.** "Floral color assembly of serpentine seep communities in northern California, USA." University of Virginia EnviroDay, February 27, 2015. Charlottesville, VA. Accepted Poster Presentation.
- **LeCroy, Kathryn A.** "Floral color assembly of serpentine seep communities in northern California, USA." University Virginia Department of Biology 2015 EEBio Seminar Series, January 20, 2015. Charlottesville, VA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "A bee's-eye view of diverse flowering communities: fresh perspectives on graduate school and pollination ecology." Birmingham-Southern College Biology Department Seminar, November 5, 2013. Birmingham, AL. Invited Oral Presentation.
- **LeCroy, Kathryn A.** & T.-L. Ashman. "Community assembly in California serpentine seeps." University of Pittsburgh Department of Biological Sciences First-Year Rotation Series, April 19, 2013. Pittsburgh, PA. Oral Presentation.
- **LeCroy, Kathryn A.**, N. I. Morehouse, & T.-L. Ashman. "Using a community approach to understanding pollination dynamics in a California serpentine seep ecosystem." University of Pittsburgh Dietrich School of Arts & Sciences GradExpo, March 21, 2013. Pittsburgh, PA. Accepted Poster Presentation.
- **LeCroy, Kathryn A.**, N. I. Morehouse, & T.-L. Ashman. "Using a community approach of visual systems and flower spectral properties for understanding pollination dynamics in a California serpentine seep ecosystem." University of Pittsburgh Department of Biological Sciences First-Year Rotation Series, February 8, 2013. Pittsburgh, PA. Oral Presentation.

Most Recent Community & Public Presentations:

- **LeCroy, Kathryn A.** "How do we save the bees?" North Shore Land Alliance, October 6th, 2022. Locust Valley, NY. Invited Lecture (approx. 30 attendees).
- **LeCroy, Kathryn A.** "Community science-powered research: studying native and invasive mason bee health and diversity." Northeast Organic Farming Association, June 23rd, 2021. Invited Oral Webinar.
- **LeCroy, Kathryn A.** "Master Naturalist-Fueled Research: Evaluating the Health and Diversity of Wild Mason Bees Across Virginia." Headwaters Chapter Virginia Master Naturalist Meeting, March 11th, 2021. Invited Oral Webinar.
- **LeCroy, Kathryn A.** "Community Scientist-Fueled Research: Documenting Wild Native Bee Declines in North America." Oregon Master Gardeners Statewide BeeVent Convention. March 6th, 2021. Invited Virtual Oral Presentation.
- **LeCroy, Kathryn A.** "Mason Bee Monitoring Project: Evaluating the Health and Diversity of Wild Mason Bees Across Virginia." Charlottesville Area Tree Stewards, Oct. 21, 2020. Invited Oral Webinar.
- **LeCroy, Kathryn A.** "Master Naturalist-Fueled Research: Evaluating the Health and Diversity of Wild Mason Bees Across Virginia." Shenandoah Chapter Virginia Master Naturalist Meeting, June 11, 2019. Boyce, VA. Invited Oral Presentation (approx. 60 attendees).
- **LeCroy, Kathryn A.** "Mason Bee Monitoring Project 2019: Training Webinar." Virginia Master Naturalist Program, February 25, 2019. Charlottesville, VA. Citizen science project training webinar.
- **LeCroy, Kathryn A.** "Mason Bee Monitoring Project." 2018 Virginia Master Naturalist Continuing Education Webinar Series, November 13, 2018. Invited Webinar Presentation.
- **LeCroy, Kathryn A.** "Master Naturalist-Fueled Science: Mason Bee Health and Diversity Across Virginia." Virginia Master Naturalist State Conference, September 8, 2018. Fredericksburg, VA. Invited Oral Presentation (45 participants).
- **LeCroy, Kathryn A.** "Rapid spread of exotic mason bees (genus *Osmia*) and their potential risks to native mason bee species." 2018 Garden Club of Virginia State Meeting, May 16 2018. Martinsville, VA. Invited Oral Presentation (167 Attendees).
- **LeCroy, Kathryn A.** "2017 Mason Bee Monitoring Project." Jefferson Chapter of the Virginia Native Plant Society Meeting, April 11, 2018. Charlottesville, VA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "Mason Bee Monitoring Project 2018: Training Webinar." Virginia Master Naturalist Program, February 28 2018. Charlottesville, VA. Citizen science project training webinar.
- **LeCroy, Kathryn A.** "Master Naturalist-Fueled Science: Mason Bee Monitoring Project 2017: Preliminary Results and Future Directions." Rivanna Chapter Virginia Master Naturalist Meeting, January, 28 2018. Charlottesville, VA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "2017 Mason Bee Monitoring Project." Merrimac Farm Chapter Virginia Master Naturalist Meeting, Jan 18 2018. Old Town Manassas, VA. Invited Oral Presentation (23 Attendees).
- **LeCroy, Kathryn A.** "Virginia Mason Bee Monitoring Project 2017: Current Findings and Future Directions." 2017 Virginia Master Naturalist Statewide Conference. Front Royal, Virginia. September 16, 2017. Invited Oral Presentation.
- **LeCroy, Kathryn A.,** Carol A. Heiser, Robert Blakney, & Bruce Jones. "Pollinators and Native Plant Meadows Field Day." 2017 Virginia Master Naturalist Statewide Conference, September 15, 2017. Washington, VA. Training Workshop Presentation (36 participants).
- **LeCroy, Kathryn A.,** Carol A. Heiser, T'ai Roulston, & Jason Hallacher. "Pollinator Habitat Training." Virginia Department of Game and Inland Fisheries, August 17, 2017. Harrisonburg, VA. Training Workshop Presentation (30 participants).
- **LeCroy, Kathryn A.** "2018 Mason Bee Monitoring Program Goals." Garden Club of Virginia Conservation & Beautification Committee Meeting, June 12, 2017. Richmond, VA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "Mason Bee Monitoring Project 2017: Training Webinar." Virginia Master Naturalist Program, February 28, 2017. Charlottesville, VA. Citizen science project training Webinar.
- **LeCroy, Kathryn A.** "Botanical Literature in 19th-Century United States Gift Books and Annuals." Botanical Society of Western Pennsylvania, Nov. 12, 2012. Pittsburgh, PA. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "POP-UP – Pollination Outreach Project for Urban Programs." 2012 Summer Program (120+ participants). Pittsburgh, PA. Education Program Presentation.
- **LeCroy, Kathryn A.** "Fall flora of an abandoned limestone quarry in Birmingham, AL and notes on Jefferson County record of *Symphytotrichum laeve* var. *concinnum*." Blanche Dean Chapter of the Alabama Wildflower Society meeting, April 2, 2012. Invited Oral Presentation.
- **LeCroy, Kathryn A.** "What Are Insects?" Girl Scouts of the USA, Shades Mountain Service Unit Troops, October 22, 2011. Trussville, AL. Invited Oral Presentation.

SERVICE

Peer Reviewer (2018-present)

- *Agriculture, Ecosystems, and the Environment*
- *Apidologie*
- *Ecology Letters*
- *Ecosphere*
- *Environmental Entomology*
- *Frontiers in Plant Science*
- *Insect Conservation and Diversity*
- *Scientific Reports*
- *The Journal of the Kansas Entomological Society*

Secretary, Orchard Bee Association Executive Board, (2021 – present)

- Organized and facilitated 2022 Orchard Bee Association Annual Meeting (hybrid format)
- Write quarterly newsletters to industry, government research, and academic members
- Record minutes of each monthly OBA meeting for Executive Board and general members

Member, Bystander Training Working Group, UVA Dept. of Environmental Sciences (2020 – 2021)

- Assisted in planning bystander training programming for the Environmental Sciences Department
- Researched best practices for achieving effective bystander training in academic departments

Member, UVA Graduate Student Diversity, Equity, and Inclusion (DEI) Working Group (2020 – 2021)

- Co-wrote evidence-based framework proposal of DEI measures for Dept. of Environmental Sciences
- Consulted with UVA Dean of Diversity, Equity and Inclusion to receive feedback on proposed measures
- Solicited feedback from graduate students and faculty to enhance support of DEI measures
- Presented framework proposal at Department-wide town hall meeting

Coordinator, UVA Blandy Group (Fall 2017, Fall 2018, Summer 2020, Fall 2020, Spring 2021)

- Organized weekly in-person (2017, 2018) and virtual (2020, 2021) meetings for faculty, graduate, and undergraduate students in (4) research labs affiliated with Blandy Experimental Farm field station.
- Selected and facilitated discussion of topics including journal articles, anti-racism resources, Diversity, Equity and Inclusion (DEI), fieldwork safety, mental health in STEM careers, field station-related matters, discussions of experimental design, and popular science media.

Chair, UVA “EnviroDay” Department Research Symposium (2018)

- Coordinated an annual research symposium that showcases postdoctoral, graduate, and undergraduate student research in the environmental sciences
- Acquired extramural funding, arranged keynote speaker schedule and transportation
- Streamlined abstract submission and presentation scheduling

Coordinator, UVA Environmental Sciences Undergraduate Research Mentoring Program (2016-2021)

- Arranged individual consultations with UVA undergraduates to find research opportunities
- Recruited and hosted panels for undergraduates about research, graduate school, & alt-ac careers
- Collected data on undergraduate engagement with research labs at UVA Environmental Sciences
- Maintained listing of available opportunities for undergraduates on program webpage

President, University of Pittsburgh Biological Sciences Graduate Student Organization (2013-2014)

Science Outreach Coordinator, BSC Bunting Center for Engaged Study & Community Action (2011-2012)

Science Mentor, PlantingScience, www.plantingscience.org, Botanical Society of America (2010-2018)

PROFESSIONAL DEVELOPMENT & PROFESSIONAL ASSOCIATIONS

2022 International Union for Conservation of Nature Red List Assessor Trainee

2022 Inclusive Course Design Workshop, Cornell University Center for Teaching Innovation

2020 UVA PhD+ Career Design Program – 2020 Project Management for Graduate Students Trainee

2019 Graduate of American Museum of Natural History “Bee Course” in Portal, AZ USA

2019 National Science Foundation Grant Writing Workshop, UVA Mountain Lake Biological Station

2019 Racial Equity Institute Racial Equity Groundwater Trainee

2017-2018 UVA Ph.D. STEM Communication Course Graduate

2013 American Institute of Biological Sciences Public Policy & Congressional Visits Trainee

Entomological Society of America – Ecological Society of America

Botanical Society of America – Orchard Bee Association

BROADER COMMUNITY SERVICE EXPERIENCES

IRS-Certified Volunteer Tax Preparer, Wisconsin Dept. of Revenue, Madison, WI (2020 – 2022)

- 2021 Outstanding Tax Preparer of the Year Award from Wisconsin Department of Revenue
- Prepared federal and state tax returns free of charge for Wisconsin families in Madison
- 7 hrs per weekend during tax season, Jan-April
- Certifications: Advanced Preparer, Quality Reviewer, Health Savings Accounts

Head Advisor, UVA Lambda Gamma chapter of Chi Omega, Charlottesville, VA (2015–2020)

- 2018 Outstanding Advisor of the Year Award from UVA Office of Fraternity and Sorority Life
- Mentored undergraduate women leaders; Developed strong risk-management procedures

IRS-Certified Volunteer Tax Preparer, Impact Alabama, Birmingham, AL (Jan – Apr 2016)

- Prepared taxes for Alabama families at poverty line income in Birmingham, 20 hrs/week (~280 hours)