

# Lucia R. Weinman

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Graduate Program in Ecology & Evolution  
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## EDUCATION

- 2017-pres. PhD candidate in Ecology & Evolution, Rutgers University, New Jersey  
*Advisor: Dr. Rachael Winfree*
- 2010-2014 BA in Environmental Biology, Columbia University, New York  
*Advisor: Dr. Dustin Rubenstein*

## FELLOWSHIPS & AWARDS

- 2021 \$2000 – American Society of Naturalists, Student Research Award
- 2021 \$3000 – Garden Club of America, Caroline Thorne Kissel Award
- 2021 \$1000 – Dept. Ecol., Evol. and Nat. Res., Rutgers University, Small Grants Award
- 2020 \$500 – Rutgers Ecology Graduate Student Association, Ted Stiles Award
- 2020 \$1000 – Dept. Ecol., Evol. and Nat. Res, Rutgers University, Small Grants Award
- 2017 \$59,208 – Rutgers EOAS Institute, Graduate Assistantship
- 2017 \$75,000 – School of Graduate Studies, Rutgers University, Presidential Fellowship

## PUBLICATIONS

- In prep* **LR Weinman**, T Ress, J Gardiner, and R Winfree. Does bees' pollen transport reflect their scopal pollen collection? *Abstract accepted for a special issue of the American Journal of Botany; manuscript due Sept. 30, 2022.*
- 2022 Simpson, DT, **LR Weinman**, M Genung, M Roswell, M MacLeod, and R Winfree. Many bee species, including rare species, are important for function of entire plant-pollinator networks. *Proceedings of the Royal Society B* 289: 20212689. doi.org10.1098/rspb.2021.2689
- 2019 C Smith, **LR Weinman**, J Gibbs, and R Winfree. Specialist foragers in forest bee communities are small, social or emerge early. *Journal of Animal Ecology*. 88(8): 1158-1167.
- 2015 **LR Weinman**, JW Solomon, and DR Rubenstein. A comparison of single nucleotide polymorphism and microsatellite markers for analysis of

parentage and kinship in a cooperatively breeding bird. *Molecular Ecology Resources*. 15(3): 502-511.

## PRESENTATIONS

- 2022 **LR Weinman**, T Ress, J Gardner, and R Winfree. Does bees' pollen transport reflect their scopal pollen collection? *Submitted abstract for contributed talk, Ecology Society of America National Meeting, Montreal, QB, Canada*
- 2021 **LR Weinman**. Pollen use by forest bees: conservation, diet breadth across space, and bee-plant conflict. *Ecology Graduate Student Association Seminar, New Brunswick, NJ*
- 2021 **LR Weinman**, J Gardner, and R Winfree. Forest Bee Communities in Great Lakes National Parks. *Great Lakes Restoration Initiative Pollinator Task Force Virtual Summer Workshop, invited speaker*
- 2020 **LR Weinman** and R Winfree. Forest Bee Pollen Use in Great Lakes National Parks. *Great Lakes Restoration Initiative Pollinator Task Force Virtual Summer Workshop, invited speaker*
- 2020 **LR Weinman**. Turnover of core species in plant-pollinator networks along an anthropogenic gradient. *Ecology Graduate Student Association Seminar, New Brunswick, NJ*
- 2019 DT Simpson, **LR Weinman**, M Genung, M MacLeod, and R Winfree. Higher pollinator diversity is needed to pollinate native plant communities compared to crops. *Contributed talk, Ecology Society of America National Meeting, Louisville, KY*

## TEACHING & MENTORSHIP

*Primary mentor of undergraduate research*

- 2022 – pres. Sophia Rosahl, '23, independent research project, "Effects of bee body size on foraging specialization."
- 2020 –2021 Rebecca Unz, '21, George H. Cook Scholar Honors Thesis, "A literature review of the plant associations of forest specialist bees."

*Teaching*

- 2018-present Research supervisor, Practical Experience in Ecology, Evolution and Natural Resources [11:216:440]
- Mariel Vandegrift, '23, 2022 – present
  - Rebecca Unz, '21, 2019-20
  - Morgan Crooks, '20, 2018-19
- 2020-2021 Teaching assistant, Principles of Ecology Lab [11:216:332]
- 2019-2020 Teaching assistant, Plant Ecology Lab [11:216:352]

## OUTREACH PRESENTATIONS

- 2019 **LR Weinman.** Bee food: Characterizing the pollen diet of spring forest bees. Indiana Dunes National Park, IN
- 2019 M Roswell and **LR Weinman.** Bees and Pollination. Master Ecologist course, Duke Farms, NJ
- 2017 **LR Weinman.** Who are the native bees? Franklin Park Public Library, NJ
- 2017 **LR Weinman** and C Smith. The conservation and ecology of native bees. Rutgers Gardens, NJ
- 2017 **LR Weinman.** Who are the native bees? Environmental Education Center at Lord Stirling Park, NJ

## REPORTS & OTHER PUBLICATIONS

- 2017 C Smith, **LR Weinman**, M Genung, T Harrison, M MacLeod, and R Winfree. Restoring habitat for forest bees in the eastern USA. *Report for the Xerces Society for Invertebrate Conservation.*
- 2017 **LR Weinman** and E Lowe. *Reviewed and synthesized literature on bee declines and habitat requirements in support of Xerces Society Bee Better Certification™ criteria and website.*
- 2017 R Winfree, **LR Weinman**, J Criscione, and E Lowe. Rutgers Extension Fact Sheet: Supporting bees in your garden or on your farm. *Rutgers Agricultural Extension*

## PROFESSIONAL SERVICE

*Rutgers Ecology and Evolution Graduate Student Association*

- 2022 Eminent Ecologist visit and seminar coordinator
- 2020-2022 GREBEs Student Symposium coordinator
- 2019-2020 Student seminar coordinator

*Manuscript Reviews*

*OIKOS; Molecular Ecology Resources; Joint USGS and National Park Service report on patterns of bee biodiversity in the eastern United States*