

Hanna Makowski, Ph.D.

Ecology Postdoctoral Fellow at Black Rock Forest

hannamakowski.com

hmakowski@blackrockforest.org

Education

Ph.D. in Ecology and Evolution , <i>University of Virginia</i>	2018 – 2023
B.S in Biology , <i>Saint Mary's College, Notre Dame</i> Magna Cum Laude, Honors Thesis	2018

Awards and Fellowships

Ecology Postdoctoral Fellowship , <i>Black Rock Forest, Cornwall, NY</i>	2023
Research and Travel Award , <i>Graduate Student and Post-Doctoral Association, UVA</i>	2022
Teaching Relief Fellowship , <i>Graduate School of Arts and Sciences, University of Virginia</i>	2022
Rosemary Grant Advanced Award , <i>The Society for the Study of Evolution</i>	2022
Graduate Global Research Award , <i>Center for Global Inquiry and Innovation, University of Virginia</i>	2021
Raven Fellow , <i>The Raven Society, University of Virginia</i>	2021
Karling Award , <i>Botanical Society of America</i>	2020
Bill Dahl Graduate Student Research Award , <i>Botanical Society of America</i>	2020
Best Graduate Student Poster , <i>Southeastern Population Ecology and Evolutionary Genetics</i>	2019
Young Botanist , <i>Botanical Society of America</i>	2018
George and Juanda Bick Nature Award , <i>Saint Mary's College, Notre Dame</i>	2018

Publications

-
- Makowski, H.**, Majetic, C., Garrett, P., Johnson, S., Schurr, P., Moore, R.C. 2021. Floral scent is different between sexual phases within individuals in a synchronously dichogamous shrub (*Canella winterana*) but there is no distinct female or male scent profile across individuals. *Biochemical Systematics and Ecology*, 96: 104270
- Makowski, H.**, Lamb, K., Galloway, L.F. Support for Bakers law: facultative self-fertilization ability decreases pollen limitation in experimental colonization. In press: *American Journal of Botany*
- Makowski, H.**, Scott, E.M.*, Lamb, K., Galloway, L.F. Compensating for the corolla? A comparative analysis of pollen-collecting hair length and its potential role in pollen protection across Campanulaceae. Accepted with revisions: *Annals of Botany*

In prep

- Makowski, H.**, Kim, A.M.*, Scott, E.M.*, Lamb, K., Galloway, L.F. Differences in pollen-collecting hairs are associated with autonomous selfing ability in *C. americana*. In prep. *Targeted journal: Functional Ecology*

* Undergraduate co-author

Presentations

Evolution , <i>Society for the Study of Evolution conference</i>	2023
---	------

"Mating system evolution and morphological variation: selfing and pollen-collecting hairs"	
UVA's Ecology and Evolution group seminar,	2022
"Mating system evolution and morphological variation: pollen-collecting hairs"	
Brown Bag Lunch Seminar, Center for Global Inquiry and Innovation, UVA	2022
"Global perspective on plant mating systems"	
UVA's Ecology and Evolution group seminar, "The role of mating system in colonization"	2019
Southeastern Population Ecology and Evolutionary Genetics Conference,	2019
"Pollen limitation and outcrossing rate beyond the range " (Poster)	
Biology Department Graduate Student symposium, UVA	2019
"Nanopore sequencing, hybrid assembly, and genome annotation" (Poster)	
Botany, Botanical Society of America conference	2018
"What makes scents sexy: the chemical composition of the scent of <i>Canella winterana</i> during sexual development"	

Teaching Experience & Mentoring

Guest Lecture, Barnard College, Columbia University, Applied Ecology and Evolution: BIOL BC3380	2024
Guest Lecture, Hunter College, CUNY, Ecology of Global Change: PGEOG 38306	2024
Mentoring, CUNY undergraduate, Seosamh Radigan,	2023 – present
"Leaf phenology drivers in <i>Acer saccharum</i> : comparison of genetic and abiotic factors"	
Guest Lecture, Hunter College, CUNY, Field Ecology of New York City: PGEOG 38367	2023
Lab Development Assistant, UVA, Introductory Biology: BIOL 2200	2023
Teaching Assistant, UVA, Introductory Biology: BIOL 2100 and 2200.	2018-21
Guest Lecture, UVA, Plant-animal interactions: BIOL 4450	2020
Mentoring, UVA undergraduate, Austin Kim,	2019-22
"Mechanisms of pollen collecting hairs and their impact on autonomous selfing ability"	
Mentoring, UVA undergraduate, Emily Scott,	2021-23
"The evolution of pollen-collecting hairs across Campanulaceae"	

Service & Outreach

CCNY Women in Science Mentorship program mentor, City College New York	2024
Friends of the Forest public outreach lecture, Black Rock Forest	2023
Language Consultant, Center for American English Language & Culture, University of Virginia	2019- 22
ESLA, Center for American English Language & Culture, University of Virginia	2020-21
Social Chair, Graduate Student and Post-Doctoral Association, University of Virginia.	2020-21
Western Albemarle's Environmental Science Academy Research Projects	Spring/Fall 2019
Mountain Lake Biological Station, <i>University of Virginia</i>	
Skyline and Thomas Harrison Middle School STEM greenhouse tours, University of Virginia	2018-20

References

Dr. Laura Galloway, Ph.D. advisor	lg8b@virginia.edu
Dr. Ana Carnaval, Postdoc co-advisor	acarnaval@ccny.cuny.edu
Dr. Andy Reinmann, Postdoc co-advisor	areinmann@gc.cuny.edu