

Erika R. Moore-Pollard (she/her)

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EDUCATION

University of Memphis (UofM) – Biological Sciences Graduate Program 2018 - Current
Ph.D., Evolution of the genus *Packera* (Asteraceae)
Advisor: Dr. Jennifer Mandel

University of Tennessee, Knoxville 2014 - 2018
B.S., Ecology and Evolutionary Biology

RESEARCH INTERESTS

biogeography; bioinformatics; climate change; conservation; evolution; genomics; herbaria;
phylogenomics; plant genetics; polyploidy; population genetics; probe design; systematics

RESEARCH EXPERIENCE & ACADEMIC POSITIONS

Graduate Research Assistant 2023 - Current
Jennifer Mandel Lab, University of Memphis
NSF IOS – 2214472

Graduate Teaching Assistant 2018 - 2022
University of Memphis

Lab Manager and Research Assistant 2018
Susan Kalisz Lab, University of Tennessee, Knoxville

Independent Research Project 2017 - 2018
Joe Bailey Lab, University of Tennessee, Knoxville

Undergraduate Research Assistant 2017- 2018
Susan Kalisz Lab, University of Tennessee, Knoxville

Undergraduate Research Assistant 2016 - 2018
Jen Schweitzer and Joe Bailey Lab, University of Tennessee, Knoxville

Undergraduate Research Assistant 2014 - 2016
Elena Shpak Lab, University of Tennessee, Knoxville

PUBLICATIONS

In-Review

Erika R. Moore-Pollard, Jennifer R. Mandel. Resolving evolutionary relationships in the groundsels: phylogenomics, divergence time estimates, and biogeography of *Packera* (Asteraceae: Senecioneae).

Erika R. Moore-Pollard, Jennifer R. Mandel. Packed with *Packera*: Brief history of the “aureoid Senecio” subgroup classification.

Jennifer R. Mandel, **Erika R. Moore-Pollard**, J. Mauricio Bonifacino. The Reinvention of Compositae: Vicki Funk's legacy in the systematics of the largest plant family on Earth.

2022

Erika R. Moore, Carolina M. Siniscalchi, Jennifer R. Mandel. Reevaluating genetic diversity and structure of *Helianthus verticillatus* (Asteraceae) after the discovery of new populations. *Castanea* 86(2), 196-213. DOI: 10.2179/0008-7475.86.2.196. **Cover image**; **Southern**

Appalachian Botanical Society Richard and Minnie Windler Award (DOI: 10.2179/0008-7475.87.1.147).

2021

J. Mauricio Bonifacino, Jennifer R. Mandel, Abigail Moore, **Erika R. Moore**, Benoit Loeuille, Lizzie Rooble. Capitulum: The Compositae Newsletter reloaded. *Taxon* 70(5): 1156-1156. DOI: 10.1002/tax.12571.

Erika R. Moore. What in the whorled: The rediscovery of *Helianthus verticillatus* Small (Heliantheae) over 100 years later. *Capitulum* 1(1): 61-64. DOI: 10.53875/capitulum.01.1.07.

Carolina M. Siniscalchi, Robert D. Edwards, Jorge Gomez, **Erika R. Moore**, Jennifer R. Mandel. Photosynthesis metabolism in Asteraceae: current knowledge and future directions. *Taxon* 70(2), 339-350. DOI: 10.1002/tax.12426.

ACADEMIC SERVICE

Journal Editor

Guest Editor – Journal of Systematics and Evolution Special Issue: “A Botanist at the Extreme: Honoring the Great Contributions of Dr. Vicki A. Funk” 2022-2023

Reviewer

Castanea 2022

TEACHING EXPERIENCE

Guest Lecturer

University of Memphis

Molecular Ecology and Conservation 2023

Teaching

University of Memphis

Biology of Organisms Lab 2018 - 2022

Course-based Undergraduate Research Experiences (CURE) 2021

AWARDS

Southern Appalachian Botanical Society Richard and Minnie Windler Award – \$500 2022
for “Best systematics paper published in *Castanea* during the previous year”

Southern Appalachian Botanical Society Student Presentation Award – \$300 2022
for “Best oral presentation” at Association of Southeastern Biologists conference 2022

Association of Southeastern Biologists Student Research Award – \$1,000 2022
for “Best oral presentation and associated published paper” at Association of Southeastern Biologists conference 2022

INVITED PRESENTATIONS

Association of Southeastern Biologists Workshop: Diversity, Equity, and Inclusion 2022 & 2023
Committee on Human Diversity – Panelist

Title of workshop: “Hitting the ground running with your graduate school applications”

University of Memphis Department of Biological Sciences Workshop: Diversity, Equity, and Inclusion Committee – Panelist 2022

Title of workshops: “What even is Grad School?” & “Hitting the ground running with graduate school applications”

Association of Southeastern Biologists symposium: Plant Conservation Genetics – Talk 2022
Title of talk: “Reevaluating genetic diversity and structure of *Helianthus verticillatus* (Asteraceae) after the discovery of new populations”

Georgia Gwinnet College – via Zoom – Talk 2020
Title of talk: “Graduate school and research”

CONTRIBUTED PRESENTATIONS

Botany Conference – Anchorage, AK – Talk	2022
Botany Conference – Online – Poster	2021
Evolution Conference – Online – Talk	2021
Association of Southeastern Biologists Conference – Online – Talk	2021
The International Compositae Alliance Talks – Online – Talk	2021
Botany Conference – Tucson, Arizona – Poster	2019
UofM Student Research Forum – Memphis, TN – Poster	2019
UofM Biological Sciences 3MT – Memphis, TN – Talk	2019

FUNDING

Center for Biodiversity Research Seed Grant – \$1,500	2022
Southern Appalachian Botanical Society Conference Support Award – \$250	2022
UofM Graduate Student Association Travel Funds – \$700	2022
Botany conference 2022 Symposium Funding – \$500	2022
Center for Biodiversity Research Seed Grant – \$3,000	2019
American Society of Plant Taxonomists 2019 Travel Grant – \$335	2019
UofM College of Arts and Sciences Travel Enrichment Fund – \$300	2019

CENTER OR SOCIETY POSITIONS

<i>Capitulum</i> Associate Editor	2021 - Current
<i>Founding Editorial Board member</i>	
Center for Biodiversity member	2019 - Current
<i>Research Facilitation Committee</i>	
Botany Conference Symposium organizer	2021 - 2022
<u>Title of symposium</u> : “A Botanist at the Extreme: Honoring the great contributions of Dr. Vicki A. Funk”	

SOFTWARE LANGUAGE EXPERIENCE

Julia; Linux/Unix; Python; R

SOFTWARE EXPERIENCE

ASTRAL-III; ASTRAL-Pro; Barrier; Bowtie; Fast-Plast; GenAIEx; GenBank; Geneious; Hifiasm; HybPiper; Jellyfish; JMP; MAFFT; MarkerMiner; Matlab; MicroChecker; Microsoft Office; Pauvre; PhyloNetworks; PhyParts; Phyluce; Phyx; Quartet Sampling; RAxML; RelTime; Samtools; Structure; TreePL

ORGANIZATION INVOLVEMENT

Compositae Journal Club (TICA), member	2020 - Current
The International Compositae Alliance (TICA), member	2020 - Current
Center for Biodiversity Research (CBio), member	2019 - Current
UofM Book Club, organizer and member	2020 - 2022
UofM Biology Graduate Student Association (BioGSA), Vice President	2020 - 2021
UofM Botany Club, Secretary	2018 - 2020
UofM BioGSA, Secretary	2019 & 2020
UofM Committee for Diversity in Science, member	2018 - 2019
UofM Journal Club, member	2018 - 2019
UofM Writing Club, member	2018 - 2019

UNDERGRADUATE MENTEES

Paris Fouche, University of Memphis	2022 - Current
Sam Drewry, University of Memphis	2022 - 2023
Jorge Gomez, University of Memphis	2019 - 2021
Paige Murin, University of Memphis	2018 - 2019
Byanca Moreno, University of Tennessee, Knoxville	2016 - 2018

POST-BACCALAUREATE MENTEES

Keiana Fields, University of Memphis	2022 - 2023
Jorge Gomez, University of Memphis	2021 - 2022

PROFESSIONAL MEMBERSHIP

Association of Southeastern Biologists (ASB)
American Society of Plant Taxonomists (ASPT)
Botanical Society of America (BSA)
Southern Appalachian Botanical Society (SABS)
The International Compositae Alliance (TICA)

COMMUNITY INVOLVEMENT AND OUTREACH

NSF Funded project for elementary students ("Compositae in a Crate")	2018 - Current
Memphis Botanical Garden Halloween Hike	2022
Museum of Science and History (MoSH) STEAMFest – herbarium focused	2021 & 2022
Collect Japanese honeysuckle for Genomics Capstone class at West Virginia University	2022
UofM Garden cleanup, CBio associated	2021
UofM "Coffee Hour" with undergraduate students about graduate school	2021
Presentation on Graduate School and Research at Georgia Gwinnet College	2020
UofM Botany Club – various outreach opportunities	2018 - 2020
National Lab Day at UofM	2019
International Women in Science Day events with local public schools	2019
TWRA Chronic Wasting Disease (CWD) check sites	2018 & 2019
"Talk to a Botanist" at Elementary Schools	2018
"Waste Tire Cleanup Day" at T.O. Fuller State Park	2019
"Flick or Treat" at Memphis Botanic Garden	2018

REFERENCES

Dr. Jennifer Mandel
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Dr. Randall Bayer
Professor
Biological Sciences
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