

Erika R. Moore (she/her)

University of Memphis
Department of Biological Sciences
3700 Walker Avenue, Room 322
Memphis, TN 38152
E-mail: ermoore3@memphis.edu
Personal website: erika-moore.com
Github: github.com/erika-r-moore
 [@erikarmore11](https://twitter.com/erikarmore11)

EDUCATION

University of Memphis (UofM) – Biological Sciences Graduate Program 2018 - Present
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

phylogenomics; systematics; genomics; biogeography; plant genetics; climate change; evolution; bioinformatics; character trait evolution; polyploidy; population genetics; conservation; herbaria

AWARDS

Southern Appalachian Botanical Society (SABS) Richard and Minnie Windler Award – \$500 2022
for “Best systematics paper published in CASTANEA during the previous year”
DOI: 10.2179/0008-7475.87.1.147
SABS Student Presentation Award – \$300 2022
for “Best oral presentation” at Association of Southeastern Biologists (ASB) 2022
ASB Student Research Award – \$1,000 2022
for “Best oral presentation and associated published paper” at ASB 2022

FUNDING

Center for Biodiversity Research Seed Grant – \$1,500 2022
Southern Appalachian Botanical Society (SABS) Conference Support Award – \$250 2022
UofM Graduate Student Association Travel Funds – \$700 2022
Botany 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

PUBLICATIONS

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](#); [SABS 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, and 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.

INVITED PRESENTATIONS

- | | |
|---|------|
| ASB symposium: Plant Conservation Genetics – Talk | 2022 |
| <u>Title of talk:</u> “Reevaluating genetic diversity and structure of <i>Helianthus verticillatus</i> (Asteraceae) after the discovery of new populations” | |
| ASB Workshop: Diversity, Equity, and Inclusion Committee on Human Diversity – Panelist | 2022 |
| <u>Title of workshop:</u> “Hitting the ground running with your graduate school applications” | |
| Georgia Gwinnet College – via Zoom – Talk | 2020 |
| <u>Title of talk:</u> “Graduate school and research” | |

CONTRIBUTED PRESENTATIONS

- | | |
|--|------|
| Botany Conference – Anchorage, AK – Talk | 2022 |
| Botany Conference – Online – Poster | 2021 |
| Evolution Conference – Online – Talk | 2021 |
| ASB Conference – Online – Talk | 2021 |
| TICA 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 |

CENTER OR SOCIETY POSITIONS

- | | |
|---|----------------|
| CAPITULUM 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” | |

RESEARCH EXPERIENCE/ACADEMIC POSITIONS & COURSES TAUGHT

- | | |
|--|----------------|
| Graduate Teaching Assistant | 2018 - Current |
| <i>University of Memphis</i> | |
| <i>BIOL 1021: Biology of Organisms Lab</i> | 2018 - Current |

<i>BIOL 4090: CURE (Course-based Undergraduate Research Experiences)</i>	2021
Lab Manager and Research Assistant <i>Susan Kalisz Lab, University of Tennessee, Knoxville</i>	2018
Independent Research Project <i>Joe Bailey Lab, University of Tennessee, Knoxville</i>	2017 - 2018
Undergraduate Research Assistant <i>Susan Kalisz Lab, University of Tennessee, Knoxville</i>	2017- 2018
Undergraduate Research Assistant <i>Jen Schweitzer and Joe Bailey Lab, University of Tennessee, Knoxville</i>	2016 - 2018
Undergraduate Research Assistant <i>Elena Shpak Lab, University of Tennessee, Knoxville</i>	2014 - 2016

SOFTWARE LANGUAGE EXPERIENCE

R; Python; Linux/Unix; Julia

SOFTWARE EXPERIENCE

Matlab; JMP; Microsoft Office; GenAIEx; Barrier; GenBank; Structure; MicroChecker; Geneious; MarkerMiner; Phyluce; HybPiper; MAFFT; RAxML; Bowtie; ASTRAL; Fast-Plast; Samtools; Phylonetworks, Phyparts

ORGANIZATION INVOLVEMENT

Compositae Journal Club (TICA), member	2020 - Current
UofM Book Club, organizer and member	2020 - Current
The International Compositae Alliance (TICA), member	2020 - Current
Center for Biodiversity Research (CBio), member	2019 - Current
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

Sam Drewry, University of Memphis	2022 - Current
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 - Current
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
Collect Japanese honeysuckle for Genomics Capstone class at West Virginia University	2022
UofM Garden cleanup, CBio associated	2021
Museum of Science and History (MoSH) STEAMFest – herbarium focused	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
Associate Professor
Biological Sciences
University of Memphis
jmandel@memphis.edu

Dr. Randall Bayer
Professor
Biological Sciences
University of Memphis
rbayer@memphis.edu

Dr. Melissa Koontz
Lab Coordinator
Biological Sciences
University of Memphis
mlee1@memphis.edu