

Rebekah A. Mohn

The Morton Arboretum, Center for Tree Science
4100 Illinois Route 53, Lisle, Illinois 60532

Email: rmohn@mortonarb.org

[Google Scholar Link](#)

EDUCATION

- 2023 Ph.D. in Plant and Microbial Biology (PMB), University of Minnesota (UMN), St. Paul.
- 2017 B.S. in Botany, Miami University (MU), Oxford, OH.

ACADEMIC APPOINTMENTS

- 2023- Postdoctoral Researcher, Oak Population Genetics, Morton Arboretum, Lisle.
- 2023 Postdoctoral Research Fellow, UMN.
- 2017-2023 Graduate Student Research, Teaching, Curatorial Assistant, UMN.

FELLOWSHIPS, GRANTS, & AWARDS

Fellowships

- 2020 Fulbright Future Scholarship, Fulbright Commission, Australia. (\$27,000)
- 2018-19 Dayton Fellowship, Bell Museum, UMN. (\$26,000)
- 2018 Charles P. Sigerfoos Graduate Fellowship, EEB, UMN. (\$4,000)
- 2017 PBS Recruitment Fellowship, PBS, UMN. (\$3,000)

Grants

- 2020-23 NSF DEB Small Grant (\$199,994)
- 2020 James W. Wilkie Fund, Bell Museum, UMN. (\$2500)
- 2020 International Thesis Research Travel Grant, Graduate School, UMN. (\$5,000)
- 2020 Graduate Student Research Award, Society of Systematic Biology. (\$3000)
- 2018 Zoological Society Fund, Bell Museum, UMN. (\$2,500)
- 2018 J.S. Karling Graduate Student Research Award, Botanical Society of America. (\$1,000)

Awards

- 2018 Triarch Botanical Photos Award, 1st Place, Botanical Society of America. (\$500)
- 2017 Award for Achievement in Botany, Miami University. (\$5,000)
- 2017 Young Botanist of the Year Award, Botanical Society of America.

PUBLICATIONS

Mohn, R.A., Yang, Y. Phylogenomic analyses of North American species of *Drosera* L. (Droseraceae) with a special emphasis on the origin of the allopolyploid *Drosera anglica*. *Dissertation chapter, manuscript in preparation*

Mohn, R.A., Yang, Y. Polyploidy and discordance in the backbone of Droseraceae (Caryophyllales). *Dissertation chapter, manuscript in preparation.*

Mohn, R.A., Zenil-Ferguson, R., Krueger, T., Fleischmann, A., Cross, A., Yang, Y. 2023. Dramatic difference in rate of chromosome number evolution among sundew (*Drosera* L., Droseraceae) lineages. *Evolution*. 77:10 2314-2325. <https://doi.org/10.1093/evolut/qpad153>

Mohn, R.A., Oleas, N.H., Smith, A.B., Swift, J.F., Yatskievych, G.A., Edwards, C.E. 2021 The Phylogeographic history of a range disjunction in eastern North America: the role of post-glacial expansion into newly suitable habitat. *American Journal of Botany*. 108:6 1042-1057. doi: 10.1002/ajb2.1686

Li, M., 33 co-authors including **Mohn, R. A.**, Chitwood, D. H. 2018. Topological Data Analysis as a Morphometric Method: Using Persistent Homology to Demarcate a Leaf Morphospace. *Frontiers in Plant Sciences* 9:553. doi: 10.3389/fpls.2018.00553.

PROFESSIONAL PRESENTATIONS

Oral Presentations

- Mohn, R.** Yang, Y. Botany 2023. Boise, Idaho, US.
- Mohn, R.** PMB Doctoral Defense. 2023. St. Paul, Minnesota, US.
- Mohn, R.,** Yang, Y. Botany 2022. Anchorage, Alaska, US.
- Mohn, R.** PMB Spring Retreat 2021. UMN. Virtual.
- Mohn, R.,** Yang, Y. Botany 2020. Virtual.
- Mohn, R.** Fall 2019 PMB Friday Student Seminar. UMN. St. Paul, Minnesota, US.
- Mohn, R.** Fall 2019 PMB Colloquium Series. UMN. St. Paul, Minnesota, US.
- Mohn, R.,** Smith, S., Yang, Y. Botany 2018. Rochester, Minnesota, US.
- Mohn, R.,** Li, M., Hill, T., Jansky, S., van der Knapp, E., Chitwood, D. Donald Danforth Plant Science Center REU 2016 Symposium. St. Louis, Missouri, US.
- Mohn, R.,** Yatskievych, G.A., Swift, J., Edwards, C.E. Missouri Botanical Garden REU 2015 Symposium. St. Louis, Missouri, US.

Poster Presentations

- Mohn, R.,** Zenil-Ferguson, R., Yang, Y. Evolution 2019. Providence, Rhode Island, US.
- Mohn, R.,** Yatskievych, G.A., Swift, J., Edwards, C.E. Botany 2016. Savannah, Georgia, US.
- Mohn, R.,** Yatskievych, G.A., Swift, J., Edwards, C.E. Missouri Botanical Garden REU 2015 Symposium. St. Louis, Missouri, US.

PROFESSIONAL EXPERIENCE

Research Experience

- 2023- Postdoctoral Researcher, Oak Population Genetics, Andrew Hipp. Morton Arboretum.
- 2023 Postdoctoral Research Fellow, Genome Evolution of *Drosera*, Ya Yang. UMN.
- 2017-23 Graduate Research on Genome Evolution of *Drosera*, Ya Yang. UMN.
- F. 2017 Graduate Rotation on Selfing and Self-Compatibility, David Moeller. UMN.
- Su. 2016 REU, Plant Morphometrics. Dan Chitwood. Donald Danforth Plant Science Center.
- Su. 2015 REU, Population Genetics. Christy Edwards. Missouri Botanical Garden.
- 2014-15 Independent Research, Michael Vincent. MU.

Specimen Curation

- 2022 Curatorial Assistantship, The Bell Museum Herbarium (MIN), UMN.
- 2013-14 Herbarium Assistant, Willard Sherman Turrell Herbarium, MU.

Field Experience

- 2023 MN, USA (1 day). Vouchering *Drosera* at Cedar Creek Ecosystem Research Center.
- 2022 Minnesota, USA (6 days). Floristics of Crystal Springs Scientific Natural Area.
- 2020 Western Australia, Australia (2 days). *Drosera* Transcriptomics.
- 2020 Australia (1.5 days). 4WD Sand and Bush Training, Western Wilderness 4WD.
- 2018-19 NJ, VA, ID, MT, & MN, USA (3 weeks). *Drosera* Transcriptomics.
- 2018 Costa Rica (1 month). Tropical Plant Systematics Course, OTS.
- 2017 Eleuthera, Bahamas (1.5 weeks). Flora of Bahamas Workshop, Miami University
- 2015 MO & OH, USA (2 days). *Delphinium exaltatum* population monitoring and sampling.
- 2015 MO & OH, USA (1 week). *Erythronium albidum* and *E. mesocoreum* sampling.
- 2012-15 MO, USA (21 weeks). *Flora of Missouri* voucher collections.

Teaching Experience

- Su. 2022 Instructor, Nature of Life Module. Ya Yang. UMN
 Sp. 2022 Teaching Assistant, Flowering Plant Diversity (PMB 4511). George Weiblen. UMN.
 Sp. 2021 Teaching Assistant, Plant Functions (PMB 3005W). Kathleen Greenham. UMN.
 F. 2016 Undergraduate Teaching Assistant, Plant Taxonomy (Bio 302). Michael Vincent. MU.

Undergraduate Mentoring

- 2023 Nicholas De La Rosa
 2021 Erin Boehme

UNIVERSITY/COMMUNITY/PUBLIC SERVICE

- 2022 Lecturer, Minnesota Native Plant Society Monthly Meeting.
 2022 Visiting Scientist, High School Biology Class, Rivertree School.
 2021 Visiting Scientist, Seeds, Sun, Sprouts Summer Camp, Bell Museum.
 2021 Organized Chromosome and Karyotype Evolution Colloquium, Botany 2021, Virtual.
 2020 **Mohn, R.A.** *Minnesota Roots*. CBS Conservatory.
 2020 Field Guides Undergraduate Mentor, UMN.
 2019 Research Presenter, Bell Museum Advisory Board Meeting, UMN.
 2019 Systematics Discussion Group Leader, UMN.
 2018-19 Phytograds Treasurer, Phytograds Graduate Student Org., UMN.
 2018-19 Incoming Student Mentor, PMB, UMN.
 2018-19 Visiting Scientist, Potions and Magic Summer Camps, Bell Museum.
 2018 Outreach Leader, Nokomis Farmer's Market and Give to the Max Day, Market Science.
 2018 Outreach Volunteer, Minneapolis Public School's STEM Expo 2018, Market Science.

PROFESSIONAL AFFILIATIONS

- American Society of Plant Taxonomists (ASPT)
 Botanical Society of America
 Phi Beta Kappa (Honors Society)

ART AWARDS AND EXHIBITIONS

- 2018 "Linnaea borealis", ASPT t-shirt design contest winner, ASPT.
 2017-18 "Binary", Pervasive Technology, CSE Art Purchase Award, Comp. Sci. & Eng., MU.
 2017 "Our Soil", Student Response Exhibition (SRE): Conflict and Resolution. MU Art Museum.
 2017 "Commitment to Freedom", SRE: Conflict and Resolution. MU Art Museum.
 2015 "Marked Outcasts", SRE: Freedom Summer. MU Art Museum.