

# Rebekah Mohn

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University of Minnesota  
St. Paul, MN 55108

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## Education

Plant and Microbial Biology Ph.D. Program, University of Minnesota, St. Paul. 2017-Current.  
Bachelors of Science, Botany, Miami University, Oxford, OH. 2017.

## Fellowships

Dayton Fellowship, Bell Natural History Museum, University of Minnesota (\$56,000)  
PBS Recruitment Fellowship, Plant Biological Sciences, University of Minnesota (\$3,000)  
Charles Peter Sigerfoos Graduate Fellowship, Ecology, Evolution, and Behavior, UMN (\$4,000)

## Awards

2018 J.S. Karling Graduate Student Research Award, Botanical Society of America, 2018 (\$1,000)  
Triarch Botanical Photos Award, 1st Place, Botanical Society of America, 2018 (\$500)  
Zoological Society Fund, Bell Natural History Museum, University of Minnesota, 2018 (\$2,500)  
Award for Achievement in Botany, Miami University, 2017 (\$5,000)  
Young Botanist of the Year Award, Botanical Society of America, 2017  
Willard Sherman Turrell Herbarium Travel Grant, MU. 2015

## Professional Affiliations

Botanical Society of America, Student Member  
American Society of Plant Taxonomists, Student Member  
Phi Beta Kappa (Honors Society)

## Professional Experiences

Undergraduate Teaching Assistant under Dr. Michael Vincent, Miami University, Fall 2016  
REU Intern, Chitwood Lab, Donald Danforth Plant Science Center, Summer 2016  
REU Intern, Conservation Genetics Lab (Edwards), Missouri Botanical Garden, Summer 2015  
Independent Research on *Erythronium* sp. under Dr. Michael Vincent Miami University, 2014-2015  
Herbarium Assistant, Willard Sherman Turrell Herbarium, Miami University, 2013-2014

## Publications

Li, M., An, H., Angelovici, R., Bagaza, C., Batushansky, A., Clark, L., Coneva, V., Donoghue, M., Edwards, E., Fajardo, D., Fang, H., Frank, M., Gallaher, T., Gebken, S., Hill, T., Jansky, S., Kaur, B., Klahs, P., Klein, L., Kuraparthi, V., Londo, J., Migicovsky, Z., Miller, A., **Mohn, R.**, Myles, M., Otoni, W., Pires, J.C., Riffer, E., Schmerler, S., Spriggs, E., Topp, C., Deynze, A.V., Zhang, K., Zhu, L., Zink, B.M., Chitwood, D. H. 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

## Poster Presentations

Mohn, R.A., Yatskievych, G.A., Swift, J., Edwards, C.E., A population genetic analysis to test the cause of disjunction between the Ozarks and Appalachians in tall larkspur (*Delphinium exaltatum*).

Botany 2016 (Annual Conference of Botanical Society of America). Savannah, Georgia, United States.

Mohn, R.A., Yatskievych, G.A., Swift, J., Edwards, C.E., Quantifying levels of genetic divergence among geographically isolated populations of *Delphinium exaltatum* (Ranunculaceae). Missouri Botanical Garden REU 2015 Symposium. St. Louis, Missouri, United States.

### **Oral Presentations**

Mohn, R.A., Smith, S., Yang, Y. Niche and Chromosome Evolution in the Sundews (*Drosera*, Droseraceae). Botany 2018. Rochester, Minnesota, United States.

Mohn, R.A., Li, M., Hill, T., Jansky, S., van der Knapp, E., Chitwood, D., A morphological comparison of leaf, fruit, and tuber shape in recombinant pepper (*Capsicum annuum*) and potato (*Solanum tuberosum*) lines using persistent homology. Donald Danforth Plant Science Center REU 2016 Symposium. St. Louis, Missouri, United States.

Mohn, R.A., Yatskievych, G.A., Swift, J., Edwards, C.E., Quantifying levels of genetic divergence among geographically isolated populations of *Delphinium exaltatum* (Ranunculaceae). Missouri Botanical Garden REU 2015 Symposium. St. Louis, Missouri, United States

### **Field Experience**

2018 Costa Rica, Tropical Plant Systematics, Organization of Tropical Studies

2018 United States (NJ, VA, ID, MT), North American Sundews for Transcriptomics

2017 Bahamas (Eleuthera), Flora of Bahamas and Workshop

2016 United States (Missouri), Tomato Planting

2016 United States (Missouri), Grape leaf and tissue for RNA seq

2015 United States (Missouri), Delphinium populations monitoring

2015 United States (Missouri), Delphinium DNA sequencing Specimen Collection

2012-2015 United States (Missouri), Flora of Missouri Voucher Collections

### **Art Awards and Exhibitions**

"Linnaea borealis", ASPT t-shirt design contest winner, American Society of Plant Taxonomists

"Commitment to Freedom", SRE-2017 Conflict and Resolution. Miami University Art Museum.

"Our Soil", SRE-2017 Conflict and Resolution. Miami University Art Museum.

"Binary", Pervasive Technology, CSE Art Purchase Award, Comp. Sci. & Eng., Miami University.

"Marked Outcasts", SRE-2015 Freedom Summer. Miami University Art Museum.

### **Synergistic Activities**

Visiting Scientist, Potions and Magic 2018 Summer Camps, Bell Natural History Museum

Science Outreach Volunteer, Minneapolis Public School's STEM Expo 2018, Market Science

Phytograds Treasurer, Phytograds Graduate Student Org., University of Minnesota, 2018-2019

Incoming Student Mentor, Plant and Microbial Biology, University of Minnesota, 2018