

STACY A. JORGENSEN
CURRICULUM VITAE
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[GOOGLE SCHOLAR](#) [LINKEDIN](#) [WEBSITE](#)

EDUCATION

MS, Plant Biology, University of Vermont. 2012.

Thesis: An investigation of the genetic diversity and evolutionary history of the allotetraploid Braun's Holly Fern, *Polystichum braunii* (Dryopteridaceae).

BS, Plant Biology, University of Vermont. 2009.

Thesis: A portrait of the missing progenitors of the Costa Rican allotetraploid ferns *Polystichum talamancanum* and *Polystichum orbiculatum*.

PROFESSIONAL EXPERIENCE

Research technician, Plant Biology Department, University of Vermont. 2012–2014.

Roles and responsibilities: Laboratory and greenhouse research. Protocol development and optimization. Training and supervision of personnel including instruction in equipment operation, experimental design, DNA and RNA techniques, and lab safety. Chemical and biological safety coordination. Inventory and purchasing. Genomics and transcriptomics. Vector cloning, bacterial and plant transformation, virus-induced gene silencing. Data collection, analysis, visualization, and interpretation.

PUBLICATIONS

Yu, R., A.E. Baniaga, **S.A. Jorgensen**, & M.S. Barker. 2017. A successful in vitro propagation technique for resurrection plants of the Selaginellaceae. *American Fern Journal* 107:96–104.

Jorgensen, S.A. and D.S. Barrington. 2017. Two Beringian origins for the allotetraploid fern *Polystichum braunii* (Dryopteridaceae). *Systematic Botany* 42:6–16.

Preston, J.C., **S.A. Jorgensen**, R. Orozco, and L.C. Hileman. 2016. Paralogous SQUAMOSA PROMOTER BINDING PROTEIN-LIKE (SPL) genes differentially regulate leaf initiation and reproductive phase change in *Petunia*. *Planta* 243:429–440.

Preston, J.C., **S.A. Jorgensen**, and S.G. Jha 2014. Functional characterization of duplicated SUPPRESSOR OF OVEREXPRESSION OF CONSTANS 1-like genes in *Petunia*. *PLoS One* 9:e96108.

Jorgensen S.A. and J.C. Preston. 2014. Differential SPL gene expression patterns reveal candidate genes underlying flowering time and architectural differences in *Mimulus* and *Arabidopsis*. *Molecular Phylogenetics and Evolution* 73:129–139.

PRESENTATIONS

Evolution and conservation of long noncoding RNAs in resurrection plants of the lycophyte genus *Selaginella*.

Jorgensen, S. A., M. S. Barker, and M. A. Beilstein. Talk.
Botany. Rochester MN. July, 2018.

Genetic variation in diploid and polyploid vascular plants.

Jorgensen, S.A. and M.S. Barker. Invited talk.
Polyploid Genomics Symposium, XIX International Botanical Congress. Shenzhen, Guangdong, China. July, 2017.

Biogeography and population genetics in *Selaginella rupincola*, a lycophyte of the Madrean Sky Islands.

Jorgensen, S.A. and M.S. Barker. Poster.
Arizona Botany, Prescott AZ. May, 2017.

Evolutionary history and population genomics of the allotetraploid lycophyte *Selaginella rupincola*.

Jorgensen, S.A. and M.S. Barker. Talk.
Botany. Savannah, GA. August, 2016.

The evolutionary history of allotetraploid *Selaginella rupincola* (Selaginellaceae).

Jorgensen, S.A. and M.S. Barker. Talk.
Smithsonian Botanical Symposium. Washington, D.C. June, 2015.

New insights into the heritage of Pacific Northwestern polyploids in the genus *Polystichum* (Dryopteridaceae).

Jorgensen, S.A. and D.S. Barrington. Talk.
Botany. Columbus, OH. July, 2012.

Insights into the relationships of two Costa Rican allotetraploids in the fern genus *Polystichum* (Dryopteridaceae) from nuclear DNA sequence analysis.

Jorgensen, S.A., M.A. McHenry, and D.S. Barrington. Poster.
Botany. Providence, RI. July, 2010.

TEACHING EXPERIENCE

Graduate Teaching Associate, September 2014–December 2018. University of Arizona. Courses: Introductory Biology II (ECOL 182L), Genetics (MCB/EEB 320), Evolutionary Biology (ECOL 335).

Graduate Teaching Fellow, September 2009–May 2012, University of Vermont. Courses: Introductory Biology I and II (BCOR 011 & 012), Introductory Botany (PBIO 004), Plant Systematics & Phylogeny (PBIO 109), Ecology & Evolution (BCOR 102).

GRANTS & AWARDS

Botanical Society of America Graduate Student Research Award (2018) \$500.
University of Arizona Graduate & Professional Student Council Travel Grant (2017) \$450.
Arizona Native Plant Society Doug Green Research Grant. (2017) \$750.
Botanical Society of America & American Fern Society Student Travel Award. (2012) \$300.
University of Vermont Graduate College Travel Award. (2012) \$200.
American Society of Plant Taxonomists Graduate Student Research Grant. (2011) \$700.

SERVICE & OUTREACH

Judge, Graduate & Professional Student Council Travel Grant Program, University of Arizona. November 2017, November 2016.
Member, EEB Department Diversity Working Group, University of Arizona, Fall 2017.
Volunteer, March for Science Tucson, May 2017.
Trip co-leader, Arizona Native Plant Society fern and lycophyte field trip, March 2017.
Volunteer, American Fern Society, July 2016.
Conference Assistant, Botany 2010.

REFERENCES

Dr. David S. Barrington
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