

JULIE E. LARSON

Department of Ecology & Evolutionary Biology; Institute for Arctic & Alpine Research
University of Colorado, Boulder, CO

EDUCATION

<u>Institution</u>	<u>Field</u>	<u>Degree or Status</u>
University of Colorado	Ecology & Evolutionary Biology (4.0)	PhD 2016-present
Oregon State University	Environmental Science (Ecology) (4.0)	MS 2013
University of Michigan	Ecol. & Evol. Biology; Env. Science (3.89)	BS 2011

PROFESSIONAL EXPERIENCE

<u>Position</u>	<u>Institution</u>	<u>Dates</u>
Research Associate	Chapman University (J. Funk Lab)	2013-16
Restoration Field Crew Supervisor	Irvine Ranch Conservancy	2015
Research Assistant	Cooperative Institute for Limnology & Ecosystem Research/NOAA	2010-11
Natural Resource Mgmt. Technician	Forest Preserve Dist. of Will County	2008-09

GRANTS & FELLOWSHIPS

2018	Univ. of Colorado Graduate Student Travel Award (\$300)
2018	Garden Club of America Restoration Ecology Fellowship (\$8000)
2018	City of Boulder Open Space & Mountain Parks Funded Research Program (\$14,200)
2017	City of Boulder Open Space & Mountain Parks Funded Research Program (\$10,200)
2017	Undergraduate Research Opportunity Team Grant (PI K. Suding; \$3,000)
2017	Department Research Grant Dept. of Ecol. & Evol. Biol., Univ. of Col. (\$2500)

AWARDS & HONORS

2011	Member, Phi Beta Kappa
2010-11	James B. Angell Scholar, Univ. of Michigan
2010	Graham Environmental Sustainability Inst. Scholar, Univ. of Michigan
2007-11	LSA Dean's Scholar, Univ. of Michigan

SERVICE

2018	Graduate student mentor, SMART program (funded research program for underrepresented undergraduates in STEM)
2018	Graduate student participant, Restoration Ecology: A Youth & Inclusiveness Outreach Activity (Partnership between Univ. of Colorado & Wildlands Restoration Volunteers)
2017-	Undergraduate Outreach Team, Dept. of Ecol. & Evol. Biol., Univ. of Colorado
2017-	Senior Thesis Mentor (K. Ebinger; E. Kelman), Univ. of Colorado
2017-	Project Mentor, High School Science Research Symposium
2014-17	Certified Volunteer, Irvine Ranch Conservancy & Seed Farm (30+ hours of training)
2013	Founder and Co-director, College of Forestry Graduate-Undergraduate Mentorship Program, Oregon State University
2012-13	Graduate Student Council Member, College of Forestry, Oregon State Univ.
2011-13	Graduate Student Representative Dept. of Forest Ecos. & Soc., Oregon State Univ.

TEACHING

2018	Teaching Assistant, Restoration Ecology Lab, Univ. of Colorado
2017	Teaching Assistant, Principles of Ecology Lab, Univ. of Colorado

- 2017 Teaching Assistant, Case study development for Principles of Ecology, Univ. of Colorado
2015-16 Adjunct Instructor, Evol. & Diversity of Multicellular Organisms Lab, Chapman Univ.
2015 Adjunct Instructor, From Molecules to Cells Lab, Chapman Univ.

PUBLICATIONS (ORCID ID: [0000-0001-7968-916X](https://orcid.org/0000-0001-7968-916X))

1. Saatkamp, A., A. Cochrane, L. Commander, L. Guja, B. Jimenez-Alfaro, J. Larson, A. Nicotra, P. Poschlod, F.A.O. Silveira, A. Cross, E.L. Dalziel, J. Dickie, T.E. Erickson, A. Fidelis, A. Fuchs, P.J. Golos, M. Hope, W. Lewandrowski, D. Merritt, B.P. Miller, R.G. Miller, C.A. Offord, M. Ooi, A. Satyanti, K.D. Sommerville, R. Tangney, S. Tomlinson, S. Turner, J.L. Walck. Seed traits in functional ecology: from periphery to pinnacle. Accepted. *New Phytologist*.
2. Nguyen, M.A., J.E. Larson, M.D. Blair; D.D. Hardwick; N. Khurana; J.S. Kim; M.V. Rosenfield, J.L. Funk. 2017. Rapid root responses of seedlings exposed to a post-drought water pulse. *American Journal of Botany* 104:1816-1824 (DOI: 10.3732/ajb.1700282)
3. Funk, J., Larson, J., Ames, G., Butterfield, B., Cavendar-Bares, J., Firn, J., Laughlin, D., Sutton-Grier, A., Williams, L. & W. Justin. 2017. Revisiting the Holy Grail: Using plant functional traits to predict ecological processes. *Biological Reviews* 92: 1156–1173 (DOI: 10.1111/brv.12275)
4. Larson, J.E & J.L. Funk. 2016. Regeneration: an overlooked aspect of trait-based plant community assembly. *Journal of Ecology* 104: 1284-1298. (DOI: 10.1111/1365-2745.12613)
5. Larson, J.E & J.L. Funk. 2016. Seedling root responses to soil moisture and the identification of a belowground trait spectrum across three growth forms. *New Phytologist* 210: 827-838 (DOI: 10.1111/nph.13829)
6. Larson, J.E, R.L. Sheley, S.P. Hardegree, P.S. Doescher, J.J. James. 2016. Do key dimensions of seed and seedling functional trait variation capture variation in recruitment probability? *Oecologia* 181: 39-53 (DOI: 10.1007/s00442-015-3430-3)
7. Larson, J.E, R.L. Sheley, S.P. Hardegree, P.S. Doescher, J.J. James. 2015. Seed and seedling traits affecting critical life stage transitions and recruitment outcomes in dryland grasses. *Journal of Applied Ecology* 52: 199-209 (DOI: 10.1111/1365-2664.12350)
8. Sturtevant, R., J. Larson, L. Berent, M. McCarthy, A. Bogdanoff, A. Fusaro, E. Rutherford. 2014. An impact assessment of Great Lakes Aquatic Nonindigenous Species. NOAA Technical Memorandum GLERL-161

PUBLICATIONS IN PREPARATION

1. Larson, J., B. Anacker S. Wanous, J. Funk. Ecological strategies begin at germination: traits, plasticity, and survival in the first four days of plant life. To be submitted to *J. of Ecology*.
2. Funk, J. & J. Larson. Plant traits are differentially linked to fitness in a California shrubland. To be submitted to *Ecology*.
3. Blair, M.D., M.A. Nguyen, J.E. Larson, & J.L. Funk. Functional traits predict drought survival in herbaceous plant species. To be submitted to *Oecologia*.

4. Ebinger, K., J. Larson, K. Suding. Water the odds? Precipitation manipulations impact different stages of plant recruitment in a prairie ecosystem.

SELECTED PRESENTATIONS

1. Poster. Larson, J. & J. Funk. 2016. How important are functional traits during the first four days of plant life? Ecological Society of America Ann. Mtg. Fort Lauderdale, FL.
2. Presentation. Larson, J. & J. Funk. 2015. Root trait variation and its relevance to seedling growth across 18 native and invasive coastal sage scrub species exposed to drought. California Invasive Plant Council 2015 Symposium. San Diego, CA.
3. Presentation. Larson, J. 2013. Redefining recruitment strategies: the role of traits, origin and performance in identifying seed and seedling functional types. Intermountain Native Plant Summit VII. USDA-ARS & Boise State University. Boise, ID.
4. Poster. Larson J., R.A. Sturtevant, E.S. Rutherford, A. Fusaro. 2011. Organism impact assessments: Identifying high-impact invaders in the Great Lakes. International Association of Great Lakes Research annual conference. Duluth, Minnesota.