

## JANNEKE HILLE RIS LAMBERS

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### RESEARCH INTERESTS

Anthropogenic impacts on plant communities (e.g. climate change, invasions)  
Biotic and abiotic determinants of species range limits  
Species coexistence: niches and neutrality  
Statistical methods in Ecology (maximum likelihood, Bayesian statistics)

### POSITIONS

2011-present: Associate Professor, Department of biology, University of Washington, Seattle.  
2006-2011: Assistant Professor, Department of Biology, University of Washington, Seattle.  
2004-2006: Post-doctoral Research Associate, University of California, Santa Barbara.  
Research on the mechanisms leading to Mediterranean annual grass dominance in California grasslands, niche and neutral controls over diversity. Advisor: Dr. Jonathan Levine  
2001-2004: Post-doctoral Research Associate, University of Minnesota. Research on the effects of elevated CO<sub>2</sub> and nitrogen deposition on seed production of perennial grasses and forbs; research on the relationship between diversity and ecosystem function. Advisor: Dr. David Tilman.  
1993: Research Assistant, Mountain Lake Biological Station, Virginia. Research on the population dynamics of relict *Tsuga canadensis*. Advisor: Dr. H.H. Shugart.

### EDUCATION

2001: Ph.D., Department of Biology, Duke University. Dissertation: Dormancy, dispersal and density-dependent mortality: coexistence of temperate forest tree species. Advisor: James S. Clark; Committee members: Janis Antonovics, David Hgdon, Bill Schlesinger, Dean Urban.  
Katherine Stern Dissertation Fellowship, Duke University  
Sigma Xi Sally Schrader Travel Grant  
Sigma Xi Grants-in-aid of Research  
Lawrence Giles Phytotron Award  
James B. Duke Fellowship, Duke University  
1995: Masters courses, Wageningen University, the Netherlands.  
1994: B.A., Department of Environmental Sciences, University of Virginia.  
Graduated with highest honors  
Environmental Science Ecology Award (Best Ecology student)  
NSF Research Experience for Undergraduates, Mountain Lake Biological Station.  
Echols Scholar  
1990: International Baccalaureate diploma, International School Manila, the Philippines.

## GRANTS

- 2014: National Aeronautics and Space Administration Earth Science Applications (\$189,248) "Snow, Montane Wildflowers, and Citizen Scientists (co-PI w/ Jessica Lundquist & Regina Rochefort).
- 2012: National Science Foundation REU Supplement (\$7,500).
- 2012: National Science Foundation DDIG grant to Kevin Ford (\$14,824).
- 2011: National Science Foundation DEB 1054012 (\$763,000) "CAREER: Life on the Edge: The effects of climate, competition and history on range limits".
- 2010: National Science Foundation DDIG grant to Ailene Kane Ettinger (\$14,197).
- 2009: National Science Foundation REU Supplement (\$10,000).
- 2009: Department of Energy: National Institute for Climate Change (\$227,929): "The heat is on: forecasting range shifts of Pacific Northwest conifers with climate change.
- 2008: University of Washington Royalty Research Fund (\$39,545): Climate, competition and tree growth: transient dynamics following climate change.
- 2008: USDA CSREES (\$399,294): "Importance of avian seed dispersal and herbivore control for agriculture and tropical forest structure on Guam" (co-PI w/ Josh Tewksbury).
- 2008: National Science Foundation DEB 0816465 (\$310,761): "What is the fate of a silent forest" (co-PI w/ Josh Tewksbury).
- 2007: National Science Foundation DEB 0743183 (\$390,000) "Niche and neutral controls over the coexistence of serpentine annual plants" (PI on collaborative grant w/ Jonathan Levine).

## PUBLICATIONS (<sup>1</sup> indicates graduate/undergraduate authors mentored; <sup>2</sup> indicates equal contribution)

- Waters<sup>1</sup>, S., S. Eshe<sup>1</sup>, & J. **HilleRisLambers**. Invaded floral neighborhoods alter pollinator-mediated interactions between native and exotic plants. In press: *Oikos*.
- HilleRisLambers**, J, K. Ford<sup>1</sup>, D. Haak<sup>1</sup>, M. Horwith<sup>1</sup>, A. Ettinger<sup>1</sup>, B. Miner<sup>1</sup>, H. Rogers<sup>1</sup>, K. Sheldon<sup>1</sup>, S. Water<sup>1</sup>, S. Yang<sup>1</sup>, & J. Tewksbury. 2013. Accidental experiments: ecological and evolutionary insights and opportunities derived from anthropogenic change. In press: *Oikos*.
- HilleRisLambers**, J., K.R. Ford<sup>1</sup>, A.K. Ettinger<sup>1</sup>, E.T. Theobald<sup>1</sup>, & M. Harsch. 2013. How will biotic interactions influence climate change-induced range shifts? In press: *Annals of the New York Academy of Sciences* 1297: 112-125. doi: 10.1111/nyas.12182 (invited contribution for an NSF funded workshop on climate change and species interactions)
- Ford<sup>1</sup>, K.R., Ettinger<sup>1</sup>, A.K., Lundquist, J.D., Raleigh, M.S. & J. **HilleRisLambers**. 2013. Spatial heterogeneity in climate variables at coarse and fine scales. *Plos One*: 8(6) e65008. doi: 10.1371/journal.pone.0065008
- Caves<sup>1</sup> E., S. Kemp-Jennings<sup>1</sup>, J **HilleRisLambers**, J.J. Tewksbury and H.S. Rogers. The role of birds in forest regeneration: Dispersal of native seeds into secondary forest in the Mariana Islands. *PLoS ONE* 8(5) e65618. doi: 10.1371/journal.pone.0065618
- Ettinger<sup>1</sup>, A.K & J. **HilleRisLambers**. 2013. Climate isn't everything: competitive interactions and variation by life stage will also affect range shifts in a warming world. *American Journal of Botany* 100(7): 1344-1355. doi: 10.3732/ajb.1200489

## PUBLICATIONS (CONT'D)

- HilleRisLambers, J.**, P.B. Adler, W.S. Harpole, J. Levine, M. Mayfield. Rethinking community assembly through the lens of coexistence theory. 2012. *Annual Review of Ecology, Evolution and Systematics* 43: 227-238
- Ibanez, I., E.S. Gornish, L. Buckley, D.M. Debinski, J. Hellmann, B. Helmuth, **J. HilleRisLambers**, A.M. Latimer, A.J. Miller-Rushing, & M. Uriarte. 2012. Moving forward in global change ecology: capitalizing on natural variability. *Ecology & Evolution* 3(1): 170-181
- Rogers<sup>1</sup>, H.S., **J. HilleRisLambers** & J.J. Tewksbury. 2012. 'Natural Experiment' demonstrates top down control of spiders by birds on a landscape level. 2012. *PLoS ONE* 7(9): e43446. doi:10.1371/journal.pone.0043446
- O'Brien<sup>1</sup>, A., A.K. Ettinger<sup>1</sup>, & **J. HilleRisLambers**. 2012. Conifer growth and reproduction in urban forest fragments: predictors of future response of Pacific Northwest forests to global change? *Urban Ecosystems* 15(4): 879-891
- Adler, P.B. & 58 authors (including **J. HilleRisLambers**). 2011. Productivity is a poor predictor of plant species richness. *Science* 333: 1750-1753.
- Ettinger<sup>1</sup>, A.K., K.R. Ford<sup>1</sup> & **J. HilleRisLambers**. 2011. Climate determines upper, but not lower, range limits in Pacific Northwestern conifers. *Ecology* 92(6): 1323-1331.
- Haak<sup>1</sup>, D.C., **J. HilleRisLambers**, E. Pitre & S. Freeman. 2011. Increased structure and active learning reduce the achievement gap in introductory biology. *Science* 332: 1213-1216.
- Firn, J. & 35 authors (including **J. HilleRisLambers**) 2011. Abundance of introduced species at home predicts abundance away in herbaceous communities. *Ecology Letters* 14: 274-281.
- Schnitzer, S.A., J.N. Klironomos, **J. HilleRisLambers**, L.L. Kinkel, P.B. Reich, K. Xiao, M. Rillig, B.A. Sikes, R.M. Callaway, S.A. Mangan, E. van Nes, M. Scheffer. 2011. Soil microbes contribute to the classic plant diversity-productivity pattern. *Ecology* 92(2): 296-303.
- Clark, J.S., D. Bell, C. Chu, B. Courbaud, M. Dietze, M. Hersh, **J. HilleRisLambers**, I. Ibanez, S. LaDeau, S. McMahon, J. Metcalf, J. Mohan, E. Moran, L. Pangle, S. Pearson, C. Salk, Z. Shen, D. Valle, P. Wyckoff. 2010. The individual variation required for forest diversity: a synthesis of evidence. *Ecol. Monographs* 80(10): 569-608.
- HilleRisLambers, J.**, S.G. Yelenik, B.P. Colman & J.M. Levine. 2010. California annual grass invaders: the passengers, not drivers, of change. *Journal of Ecology* 98: 1147-1156.
- Levine, J.M. & **J. HilleRisLambers**. 2010. The maintenance of species diversity. *Nature Education* (invited submission) <http://www.nature.com/scitable/knowledge/library/>
- Adler, P.B., J.M. Levine & **J. HilleRisLambers**. 2009. Weak effect of climate variability on coexistence in a sagebrush steppe community. *Ecology* 90(12): 3303-3312.
- Levine<sup>2</sup>, J.M. & **J. HilleRisLambers**<sup>2</sup>. 2009. The importance of niches for the maintenance of diversity. *Nature* 461: 254-257.
- HilleRisLambers, J.**, W.S. Harpole, S. Schnitzer, D. Tilman & P.B. Reich. 2009. CO<sub>2</sub>, nitrogen and diversity differentially affect seed production of prairie plants. *Ecology* 90(7): 1810-1820.
- Going<sup>1</sup>, B.M., J.M. Levine and **J. HilleRisLambers**. 2009. Abiotic and biotic resistance to grass invasion in serpentine annual plant communities. *Oecologia* 159(4). 839-847.

## **PUBLICATIONS (CONT'D)**

- Adler, P.B. & J. **HilleRisLambers**. 2008. The influence of climate and species composition on the population dynamics of ten prairie forbs. *Ecology* 89(11): 3049-3060.
- Levine, J.M., P.B. Adler & J. **HilleRisLambers**. 2008. On testing the role of niche differences in stabilizing coexistence. *Functional Ecology* 22: 934-936.
- Ibanez, I., J.S. Clark, S. Ladeau & J. **HilleRisLambers**. 2007. Exploiting temporal variability to understand tree recruitment response to climate change. *Ecol. Monogr* 77(2): 163-177.
- Adler, P.B., J. **Hille Ris Lambers**, J.M. Levine. 2007. A niche for neutral theory. *Ecol. Letters* 10(2): 95-104.
- Fargione, J., D. Tilman, R. Dybzinski, J. **HilleRisLambers**, C. Clark, W.S. Harpole, J.M.H. Knops, P.B. Reich, M. Loreau. 2007. From selection to complementarity: shifts in the causes of the biodiversity-productivity relationships in a long-term biodiversity experiment. *Proc. R. Soc. London, Ser. B.* 274(1611): 871-876.
- Levine, J.M., E. Pachevsky, B. Kendall, J. **HilleRisLambers**, and S.G. Yelenik. 2006. Plant-soil feedbacks and invasive spread. *Ecol. Letters* 9:1005-1014.
- Adler, P.B., J. **HilleRisLambers**, P.C. Kyriakidis, Q. Guan, J.M. Levine. 2006. Climate variability has a stabilizing effect on the coexistence of prairie grasses. *PNAS* 103 (34): 12793-12798.
- HilleRisLambers**, J., B. Aukema, J. Diez, M. Evans, & A. Latimer. 2006. Effects of global change on inflorescence production: a Bayesian hierarchical analysis (chapter 4 in "Hierarchical Modeling for the Environmental Sciences"; Oxford University press).
- West, J.B., J. **HilleRisLambers** & T.D. Lee, S.E. Hobbie, P.B. Reich. 2005. Legume species identity and soil nitrogen supply determine symbiotic nitrogen-fixation responses to elevated atmospheric [CO<sub>2</sub>]. *New Phytologist* 167: 523-530.
- HilleRisLambers**, J., & J.S. Clark. 2005. The benefits of seed banking for red maple (*Acer rubrum*): maximizing seedling recruitment. *Can. J. of For. Res.* 35: 806-813.
- HilleRisLambers**, J., J.S. Clark, & M. Lavine. 2005. Implications of seed banking for recruitment of southern Appalachian woody species. *Ecology* 86 (1): 85-95.
- HilleRisLambers**, J., W.S. Harpole, D. Tilman, J. Knops & P.B. Reich. 2004. Mechanisms responsible for the positive diversity-productivity relationship in Minnesota grasslands. *Ecol. Letters* 7: 661-668.
- Tilman, D., J. **HilleRisLambers**, W.S. Harpole, R. Dybzinski, J. Fargione, C. Clark & C. Lehman. 2004. Does metabolic theory apply to community ecology? It's a matter of scale. *Ecology* 85: 1797-1799.
- Clark, J.S., J.S. McLachlan, J. **HilleRisLambers** & M. Lewis. 2003. Estimating population spread: what can we forecast and how well? *Ecology* 84(8): 1979-1988.
- HilleRisLambers**, J., & J.S. Clark. 2003. Effects of dispersal, shrubs, and density-dependent mortality on tree seed and seedling distributions. *Can. J. of For. Res.* 33 (5): 783-795.
- HilleRisLambers**, J., J.S. Clark, & B. Beckage. 2002. Density-dependent mortality and the latitudinal gradient in species diversity. *Nature*: 417:732-735.

## PUBLICATIONS (CONT'D)

- Clark, J.S., B. Beckage, P. Camill, J. **HilleRisLambers**, J. Lichter, JS McLachlan, J. Mohan, & P. Wyckoff. 1999. Interpreting recruitment limitation in forests. *Am. J. of Bot.* 86:1-16.
- Clark, J.S., M. Silman, R. Kern, E. Macklin, & J. **HilleRisLambers**. 1999. Seed dispersal near and far: generalized kernels across temperate and tropical forests. *Ecology* 80(5): 1475-1494.

## PUBLICATIONS: IN PREP, IN REVIEW, & IN REVISION

- Harsch, M., Y. Zhou, J. **HilleRisLambers** & M. Kot. Keeping pace with climate warming: the roles of generation time, dispersal ability, and life-history strategies. In review: *the American Naturalist*.
- Yelenik S.G., B.P. Colman, Levine J.M., & J. **HilleRisLambers**. A mechanism for R\*: plant and microbial nitrogen uptake and plant competition. In review: *Oecologia*
- Theobald<sup>1</sup>, E.J., A.K. Ettinger<sup>1</sup>, L. Berg, H. Burgess, H. Nelson, N. Schmidt, C. Wagner, J. **HilleRisLambers**, J. Tewksbury, & J. Parrish. Citizen Science: an emerging tool to improve biodiversity science. In prep: *Bioscience*.
- Rogers<sup>1</sup>, H.S., J. **HilleRisLambers**, E. Buhle, and J.J. Tewksbury. Consequences of a silent forest: Total bird loss disrupts seed dispersal and reduces germination and seedling survival. In prep: *Science*.
- Rogers<sup>1</sup>, H.S., J.J. Tewksbury, and J. **HilleRisLambers**. Impact frugivore loss on forests depends on species-specific strength of distance-dependent mortality. In prep: *Ecology*.
- Ford<sup>1</sup>, KR, I. Breckheimer<sup>1</sup>, J. Franklin, J. Freund<sup>1</sup>, S. Kroiss, A. Larson, E. Theobald<sup>1</sup> & J. **HilleRisLambers**. Size-specific trends in growth across tree species elevational ranges suggest complex impacts of climate change. In prep: *Ecology*.
- Harsch, M. & J. **HilleRisLambers**. Local climatic drivers and underlying macroclimatic gradients drive elevational range shifts. In prep.
- Chang, C. & J. **HilleRisLambers**. Trait and phylogenetic patterns reveal deterministic community assembly mechanisms on Mount St. Helens. In prep.
- Ettinger<sup>1</sup>, A.K. & J. **HilleRisLambers**. Climate, competition, and source population influence elevational distributions. In prep.
- Kroiss, S. & J. **HilleRisLambers**. The importance of recruitment and microsite limitation for conifer regeneration in a warming world. In prep
- Theobald<sup>1</sup>, E.J., Gabrielyan<sup>1</sup>, H. & J. **HilleRisLambers**. Lilies at the limit: a role for plant-pollinator interactions in altitudinal distributions? In prep.
- Yang<sup>1</sup>, S.Y., A.R. Norman, J. **HilleRisLambers** & J.L. Ruesink. Positive feedback by eelgrass ecosystem engineering. In prep.

## PRESENTATIONS

- 2014: Iowa State University, IA, *Invited Speaker*
- 2013: Rice University, TX, *Invited Speaker*
- 2013: University of Queensland, Brisbane, Australia, *Invited Speaker*

## **PRESENTATIONS (CONT'D)**

2013: Ecological Society of America Annual Meeting, Minneapolis, MN  
2012: Species Interactions & Climate Change, Cary IES, NY, *Invited Speaker*  
2012: Portland State University, OR, *Invited Speaker*  
2012: Michigan State University, MI, *Invited Speaker*  
2012: ETH Zurich, Switzerland, *Invited Speaker*  
2011: Ecological Society of America Annual Meeting, Austin, TX.  
2011: Tyson Research Center, Washington University, St. Louis WA, *Invited Speaker*  
2011: Cary Institute of Ecosystem Studies, Millbrook, NY, *Invited Speaker*  
2011: University of Toronto, Toronto, Canada, *Invited Speaker*  
2010: Ecological Society of America Annual Meeting, Pittsburgh, PA, *Symposium Speaker*  
2010: Mountain Climate Meeting, Blue River, OR  
2010: University of North Carolina, Chapel Hill, NC, *Invited Speaker*  
2010: Universitat Zürich, Switzerland, *Invited Speaker*  
2009: Ecological Society of America Annual Meeting, Albuquerque, NM  
2009: Western Washington University, Bellingham, WA, *Invited Speaker*  
2009: University of Guam, *Invited Speaker*  
2008: Mountain Climate Meeting, Silverton, CO  
2008: Washington State University, Vancouver, WA, *Invited Speaker*  
2007: Ecological Society of America Annual Meeting, San Jose, CA  
2007: University of British Columbia, Vancouver, Canada, *Invited Speaker*  
2006: University of Chicago, Chicago, IL, *Invited Speaker*  
2006: University of California, Davis, CA, *Invited Speaker*  
2006: University of California, Santa Barbara, CA, *Invited Speaker*  
2004: University of Colorado, Boulder, CO, *Invited Speaker*  
2004: University of Washington, Seattle, WA, *Invited Speaker*  
2004: University of Michigan, Ann Arbor, MI, *Invited Speaker*  
2004: Syracuse University, Syracuse, NY, *Invited Speaker*  
2004: Indiana University, Bloomington, IA, *Invited Speaker*  
2004: University of Guelph, Guelph, Canada, *Invited Speaker*  
2004: University of Vermont, Burlington, VM, *Invited Speaker*  
2004: Ecological Society of America Annual Meeting, Portland, OR  
2004: University of Wisconsin, Milwaukee, WI, *Invited Speaker*  
2003: Carleton College, Carleton, MN, *Invited Speaker*  
2003: Ecological Society of America Annual Meeting, Savannah, GA  
2003: University of Pittsburgh, Pittsburgh, PA, *Invited Speaker*

## **PRESENTATIONS (CONT'D)**

2003: University of California, Berkeley, CA, *Invited speaker*  
2002: Ecological Society of America Annual Meeting, Tucson, AR  
2002: Oklahoma State University, Stillwater, OK, *Invited Speaker*  
2002: University of Kansas, Lawrence KS, *Invited Speaker*  
2002: University of Notre Dame, South Bend, IN, *Invited Speaker*  
2002: University of Minnesota, St. Paul, MN, *Invited Speaker*  
2002: Wageningen University, the Netherlands, *Invited speaker*  
2001: University of Minnesota, St. Paul, MN, *Invited speaker*  
2000: University of Amsterdam, Population Biology Seminar, *Invited speaker*  
2000: Ecological Society of America Annual Meeting. Snowbird, UT  
2000: Ecological Society of America/British Ecological Society. Orlando, FL  
1999: Ecological Society of America Annual Meeting. Spokane, WA  
1999: Harvard Forest, Petersham, MA  
1998: Ecological Society of America Annual Meeting. Baltimore, MD  
1997: Ecological Society of America Annual Meeting. Albuquerque, NM

## **TEACHING (AT UNIVERSITY OF WASHINGTON)**

2010, 2011, 2013: Scientific Manuscript Writing (UW Bio506)  
2007-2013 (winter quarter): Ecology Journal Discussion Group (UW Bio560)  
2012: Biological Impacts of Climate Change (UW Bio315)  
2007, 2008, 2009, 2012 (winter quarter): Introductory Biology: Ecology, Evolution and Diversity (UW Bio180)  
2008, 2009: Community Ecology & Lab (UW Bio472)  
2008, 2010: Guest instructor for Advanced Ecology (UW Bio562)  
2007, 2008: Grant Writing (UW Bio502)

## **POSTDOCS**

2012-present: Melanie Harsch. NSF funded Math-Bio Fellowship. Exploring the link between species traits and range shifts globally  
2012-present: Cynthia Chang. NSF funded Math-Bio Fellowship. Exploring the link between species traits and community assembly  
2012-present: Steve Kroiss. Interested in sensitivity of range shifts to demography & dispersal

## **GRADUATE STUDENTS**

2012-present: Leander Love-Anderegg, interested in range shift dynamics.  
National Science Foundation: Graduate Research Fellowship  
University of Washington Biology Department: Plant Biology Fellowship

## **GRADUATE STUDENTS (CONT'D)**

- 2012-present: Ian Breckheimer, interested in gene flow across latitude and altitude.  
University of Washington Biology Department: Top Scholar Award
- 2010-present: Elli Jenkins Theobald, interested in phenology and plant-pollinator interactions.  
American Alpine Club: Research Grant  
National Science Foundation: Graduate Research Fellowship  
University of Washington Biology Department: Top Scholar Award
- 2008-present: Kevin Ford, interested in climate change impacts on alpine plant communities.  
National Science Foundation: Dissertation Improvement Grant  
Washington State Native Plant Society: Research Grant  
National Park Service: George Melendez Wright Climate Change Fellowship  
National Science Foundation: Graduate Research Fellowship  
American Alpine Club: Research Grant  
University of Washington Program on Climate Change: At-large Graduate Fellowship  
University of Washington Biology Department: Plant Biology Fellowship  
University of Washington: Achievement Rewards for College Scientists Fellowship
- 2007-2013: Ailene Ettinger, interested in biotic and abiotic controls on range limits. Current position: Postdoctoral Research Fellow, Tufts University, Massachusetts.  
University of Washington: Huckaby Teaching Fellowship  
Garden Club of America: Urban Forestry Graduate Fellowship  
National Park Service: George Melendez Wright Climate Change Fellowship  
Strategic Environmental Development and Research Program: Travel Grant  
National Science Foundation: Graduate Research Fellowship  
University of Washington Biology Department: Top Scholar Award
- 2007-2013: Susan Waters, interested in plant-pollinator dynamics. Current position: PIP (Project for Interdisciplinary Pedagogy) Fellow, University of Washington, Bothell.  
University of Washington: Huckaby Teaching Fellowship  
National Science Foundation: Graduate Research Fellowship  
University of Washington Biology Department: Top Scholar Award
- 2006-2011: Sylvia Yang (PhD 2011), studying ecosystem engineering by eelgrass. Current Position: Marine Scientist Shannon Point Marine Center (Western Washington University, Anacortes, Washington).  
National Science Foundation: GK12 Graduate Fellowship  
Environmental Protection Agency: STAR Graduate Fellowship
- Graduate Student Committees: 9 current, 24 since 2006 (excluding my own students)

## **UNDERGRADUATE STUDENTS FROM 2007 ONWARDS**

- 2012-present: June Landenburger, studying ecotypic variation in the physiological performance of tree seedlings.
- 2011-present: Cherry Chen, studying pollinator behavior  
Mary Gates Endowment: Mary Gates Scholar
- 2011-present: Sarah Montgomery, studying ecotypic variation in phenology.
- 2011-2012: Ben Lee, studying seed and seedling limitation in Urban Parks.  
University of Washington Biology Department: Frye-Hotson-Rigg Award



### **UNDERGRADUATE STUDENTS FROM 2007 ONWARDS (CONT'D)**

- 2010-2011: Sara Eshe, studying invasive species and plant-pollinator interactions.  
Howard Hughes Medical Institute: University of Washington Integrative Research Internship
- 2009-2010: Melissa Winstanley, studying in the effects of global change on diversity.  
National Science Foundation: Research Experience for Undergraduates (UW)
- 2008-2010: Irene Weber, studying the effects of elevated CO<sub>2</sub> on plant function.  
Mary Gates Endowment: Mary Gates Scholar  
Howard Hughes Medical Institute: University of Washington Integrative Research Internship
- 2007-2010: Anna O'Brien, studying impacts of urban environments on native conifers.  
University of Washington Biology Department: Frye-Hotson-Rigg Award  
Mary Gates Endowment: Mary Gates Scholar  
University of Washington Biology Department: May Garrett Hayes Scholarship  
Howard Hughes Medical Institute: University of Washington Integrative Research Internship
- 2007-2008: Jonathan Deschamps, studied impacts of biocontrol agents on *Cytisus scoparius* (Scotch Broom – the target species) and co-occurring native species.  
University of Washington Biology Department: Frye-Hotson-Rigg Award
- 2008: Amado Fuentes, studied tree growth in urban park edges vs. urban park centers.  
NASA: UW Summer Undergraduate Research Program
- 2007-2008: Arwen Norman, studied the coexistence of epiphytic lichens competing for space.  
University of Washington Biology Department: Frye-Hotson-Rigg Award

### **PROFESSIONAL SERVICE**

- 2011-present: Faculty of 1000 Contributor.
- 2011-present: Ecology Letters Associate Editor.
- 2011: National Science Foundation Grant Panelist (Environmental Biology Panel)
- 2009: National Science Foundation Grant Panelist (Environmental Biology Panel)
- 2006-2010: Co-leader of a Hierarchical Bayesian Statistics workshop (Ecological Society of America Annual Meeting).
- 2002-present: Ad hoc reviewer for the NSF Environmental Biology Panel (8x), the Canadian National Science Foundation (NSERC – 1x), the Dutch National Science Foundation (NWO – 1x), the DOE National Institute on Climate Change (1x), the Swiss National Science Foundation (2x), Microsoft Research (1x), and the Provincia Automatica di Trentino (1x).
- 2002: Co-organizer, Cedar Creek LTER symposium. Cedar Creek Natural History Area.
- 1999-present: Article reviews (including American Naturalist, Ecology, Ecology Letters, Ecosystems, Journal of Ecology, Proceedings of the National Academy of Sciences USA, etc).

### **UNIVERSITY & DEPARTMENTAL SERVICE**

- 2013: UW Biology Curriculum Working Group (EEC area)
- 2013: College of Arts and Science: Psychology Chair Search
- 2013: Mary Gates Undergraduate Research Fellowship Reviewer
- 2007-2009, 2011-present: Biology Department Search Committee.

### **UNIVERSITY & DEPARTMENTAL SERVICE (CONT'D)**

- 2009-present: Master of Science in Biology Teaching Steering Committee.
- 2010: Biology Department Faculty Retreat Committee.
- 2010: Biology Department: Atmosphere-Biosphere Faculty Search Committee.
- 2009: College of Engineering NSF Graduate Research Fellowship Workshop: Panelist.
- 2009-2010: Biology Department Introductory Biology Task Force.
- 2009: Showcase of NSF funded Research for visiting NSF Director.
- 2008: Participation in SafeZone Workshop (Qcenter, University of Washington).
- 2008, 2010: Popular talk for the University of Washington Tri-Beta honor society.
- 2006, 2007: Biology department Seminar Committee.

### **OUTREACH**

- 2013, 2009: Orientation talk for the Mount Rainier Interpretative Ranger Training Program (myself or one of my graduate students).
- 2012-2013: Founder and Executive Director of MeadoWatch: a Citizen Science Program aimed at monitoring Wildflower Phenology across large environmental gradients at Mount Rainier National Park. <https://sites.google.com/a/uw.edu/meadowatch/>
- 2012-2013: Developing lesson plans and activities for a week long on the Biological Impacts of Climate Change for Middle School and High School Biology or Environmental Science Curricula (pilot implementation in Spring of 2013, eventual goal is to make the materials available for checkout from the HilleRisLambers lab)
- 2012: Informal presentation at UW on research in the HilleRisLambers Lab to students and community members at "Research Exposed! Approaches to Inquiry"
- 2012: Popular Talk at the Burke Natural History Museum (Seattle, Washington) entitled "Climate Change, Wildflowers and Citizen Science".
- 2011: Featured in Climate Change Module for High School Biology Students created by Educurious (a non-profit organization).
- 2011: Led a two day field trip to Mt. Rainier for high school teachers (as part of a NASA funded project on increasing Climate Science awareness in the High School).
- 2010 & 2011: Participant in 'National Lab Day' (5<sup>th</sup> grade lab activities).
- 2010: Host for on-campus 'field trip' for 6<sup>th</sup> graders from the University Prep Academy, Seattle.
- 2009, 2010, 2011: Field tour guide of Mount Rainier for the Environmental Stewardship Program (Seoul National University).
- 2009: Tour guide for a pre-conference field trip to Mount Rainier National Park (National Areas Association Conference).
- 2008: Popular talk for the Washington Native Plant Society.