

Amy Lauren Angert

The University of British Columbia
6270 University Boulevard
Vancouver, British Columbia, V6T 1Z4
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Professional appointments

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|--|---------------------------------|
| Associate Professor Botany and Zoology, University of British Columbia | 2015 - present Vancouver, BC |
| Assistant Professor Botany and Zoology, University of British Columbia | 2012 - 2015 Vancouver, BC |
| Assistant Professor Biology, Colorado State University | 2008 – 2012 Fort Collins, CO |
| Postdoctoral Research Associate Ecology and Evolutionary Biology, University of Arizona | 2005 –2007 Tucson, AZ |

Education

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|--|------------------------------|
| Ph.D., Plant Biology and Ecology, Evolution, and Behavioral Biology Michigan State University | 2005 East Lansing, MI |
| Ph.D. candidate, Botany University of Washington | 1998 – 2001 Seattle, WA |
| B.A., Biology, <i>summa cum laude</i> Washington University in St. Louis | 1994 – 1998 St. Louis, MO |

Areas of emphasis

Population and evolutionary ecology, especially of plants
Biogeography, focusing on range limits, rarity, and climate-driven range shifts
Plant functional ecology and its relationship to population and community dynamics

Publications

underline = advisee

[#, #] = times cited as indexed by Web of Knowledge, Google Scholar

Curriculum Vitae
Amy Lauren Angert

35. Peterson M, KM Kay, and **AL Angert**. 2016. The scale of local adaptation in *Mimulus guttatus*: comparing life history races, ecotypes, and populations. *New Phytologist* 211: 345-356. [,1]
 - Subject of commentary by Wettberg et al. 2016. "Local adaptation or foreign advantage? Effective use of a single-test site common garden to evaluate adaptation across ecological scales." *New Phytologist* 211: 8-10.
34. Lee-Yaw J, H Kharouba, M Bontrager, C Mahoney, A Noreen, A Csargo, R Schuster, Q Li, and **AL Angert**. 2016. A synthesis of transplant experiments and ecological niche models suggests that range limits are often niche limits. *Ecology Letters* 19: 710-722. [Product of graduate student discussion group]
33. Bontrager MG and **AL Angert**. 2016. Effects of range-wide variation in climate and isolation on floral traits and reproductive output of *Clarkia pulchella*. *American Journal of Botany* 103: 10-21. [2,3]
32. Sheth SN and **AL Angert**. 2015. Artificial selection reveals high genetic variation in phenology at the trailing edge of a species range. *American Naturalist* 187: 182-193.
31. Louthan A, **AL Angert**, and DF Doak. 2015. Where and when do species interactions set range limits? *Trends in Ecology and Evolution* 30: 780-792. [1,5]
30. Borgman EM, AW Schoettle, and **AL Angert**. 2015. Assessing the potential for maladaptation during active management of limber pine populations: A common garden study detects genetic differentiation in response to soil moisture in the Southern Rocky Mountains. *Canadian Journal of Forest Research* 45: 496-505. [,1]
29. Borgman EM, AW Schoettle, and **AL Angert**. 2014. Using among-year variation to assess maternal effects in *Pinus aristata* and *Pinus flexilis*. *Botany* 92: 805-814. [3, 3]
28. **Angert AL**, S Kimball, M Peterson, TE Huxman, and DL Venable. 2014. Phenotypic constraints and community structure: Testing the concordance of trade-offs within and among species. *Evolution* 68: 3149-3165. [1,1]
27. Maron JL, K Baer, and **AL Angert**. 2014. Disentangling the drivers of context-dependent plant-animal interactions. *Journal of Ecology* 102:1485-1496. [9, 14]
26. Sheth SN and **AL Angert**. 2014. The evolution of environmental tolerance and range size: A comparison of geographically restricted and widespread *Mimulus*. *Evolution* 68: 2917-2931. [6, 9]

Curriculum Vitae
Amy Lauren Angert

25. Sheth SN, I Jiménez, and **AL Angert**. 2014. Identifying the paths leading to variation in geographical range size in western North American monkeyflowers. *Journal of Biogeography* 41: 2344-2356. [0, 3]
24. Kimball S, JR Gremer, GA Barron-Gafford, **AL Angert**, TE Huxman, and DL Venable. 2014. High water-use efficiency and growth contribute to success of non-native *Erodium cicutarium* in a Sonoran Desert winter annual community. *Conservation Physiology* 2: cou006-cou006. [1, 1]
23. Gremer JR, S Kimball, KR Keck, TE Huxman, **AL Angert**, and DL Venable. 2013. Water-use efficiency and relative growth rate mediate competitive interactions in Sonoran Desert winter annual plants. *American Journal of Botany* 100: 2009-2015. [5, 8]
22. Kimball S, JR Gremer, TE Huxman, DL Venable, and **AL Angert**. 2013. Phenotypic selection favors missing trait combinations in coexisting annual plants. *American Naturalist* 182: 191-207. [10, 12]
21. Huxman TE, S Kimball, **AL Angert**, JR Gremer, GA Barron-Gafford, and DL Venable. 2013. Understanding past, contemporary, and future dynamics of plants, populations and communities using Sonoran Desert Winter Annuals. *American Journal of Botany* 100: 1369-1380. [13, 15]
20. Barron-Gafford GA*, **AL Angert***, DL Venable, KL Gerst, AP Tyler, and TE Huxman. 2013. Photosynthetic temperature responses of co-occurring desert winter annuals with contrasting resource-use efficiencies and different temporal patterns of resource utilization may allow for species coexistence. *Journal of Arid Environments* 91: 95-103. *authors contributed equally [5, 5]
19. Gremer JR, S Kimball, TE Huxman, **AL Angert**, and DL Venable. 2012. "Variation in photosynthetic response to temperature in a guild of winter annuals." *Ecology* 93: 2693-2704. [9, 10]
18. Kimball S, JR Gremer, **AL Angert**, TE Huxman, and DL Venable. 2011. "Fitness and physiology in a variable environment." *Oecologia* 169: 319-329. [21, 27]
17. Kimball S, **AL Angert**, TE Huxman, and DL Venable. 2011. "Differences in the timing of germination and reproduction relate to growth physiology and population dynamics of Sonoran Desert winter annuals." *American Journal of Botany* 98: 1773-1781. [15, 19]

Curriculum Vitae
Amy Lauren Angert

16. **Angert AL**, SN Sheth, and JR Paul. 2011. "Incorporating population variation in thermal performance into predictions of geographic range shifts." *Integrative and Comparative Biology* 51: 733-750. [25, 31]
15. Paul JR, SN Sheth, and **AL Angert**. 2011. "Quantifying the impact of gene flow on phenotype-environment mismatch: A demonstration with the scarlet monkeyflower (*Mimulus cardinalis*)." *American Naturalist* 178: S62-S79. [13, 23]
 - Reproduced in forthcoming book, *Eco-evolutionary Dynamics* (A. Hendry, ed.)
14. **Angert AL**, LG Crozier, LJ Rissler, SE Gilman, JJ Tewksbury, and AJ Chunco. 2011. "Do species' traits predict recent range shifts?" *Ecology Letters* 14: 677-689. [153, 202]
 - Highly cited paper (top 1% in ecology and evolution)
 - 1 of 5 most downloaded papers in *Ecology Letters* in 2011
 - Media coverage
(<http://www.sciencedaily.com/releases/2011/05/110512091816.htm>)
13. Gerst KL, **AL Angert**, and DL Venable. 2011. "The effect of geographic range position on demographic variability in annual plants." *Journal of Ecology* 99: 591-599. [14, 16]
12. Kimball S, **AL Angert**, TE Huxman, and DL Venable. 2010. "Contemporary climate change favors cold-adapted species in the Sonoran Desert." *Global Change Biology* 16: 1555-1565. [51, 58]
 - Media coverage
(<http://www.sciencedaily.com/releases/2009/12/091216144145.htm>)
11. **Angert AL**, JL Horst, TE Huxman, and DL Venable. 2010. "Phenotypic plasticity and precipitation response in Sonoran Desert winter annuals." *American Journal of Botany* 97: 405-411. [17, 20]
10. **Angert AL**. 2009. "Colloquium Papers: The niche, limits to species' distributions, and spatiotemporal variation in demography across the elevation ranges of two monkeyflowers." *Proceedings of the National Academy of Sciences* 106: 19693-19698. [36, 49]
9. Sexton JP, PJ McIntyre, **AL Angert**, and KJ Rice. 2009. "Evolution and ecology of species range limits." *Annual Review of Ecology, Evolution and Systematics* 40: 415-436. [425, 614]
 - Highly cited paper (top 1% in ecology and evolution)
 - 5th most downloaded paper in AREES since 1996, 4th in last 12 months

Curriculum Vitae
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8. **Angert AL**, TE Huxman, P Chesson, and DL Venable. 2009. "Functional trade-offs determine species coexistence via the storage effect." *Proceedings of the National Academy of Sciences* 106:11641-11645. [113, 154]
7. **Angert AL**, HD Bradshaw, and DW Schemske. 2008. "Using experimental evolution to investigate geographic range limits in monkeyflowers." *Evolution* 62: 2660-2675. [34, 46]
 - Faculty of 1000 selection
6. Huxman TE, GA Barron-Gafford, KL Gerst, **AL Angert**, AP Tyler, and DL Venable. 2008. "Photosynthetic resource-use efficiency and demographic variability in desert annuals." *Ecology* 89:1554-1563. [35, 40]
5. **Angert AL**, TE Huxman, GA Barron-Gafford, KL Gerst, and DL Venable. 2007. "Linking growth strategies to long-term population dynamics in a guild of desert annuals." *Journal of Ecology* 95: 321-331. [45, 58]
4. **Angert AL**. 2006. "Demography of central and marginal populations of monkeyflowers (*Mimulus cardinalis* and *M. lewisii*)." *Ecology* 87: 2014-2025. [50, 74]
3. **Angert AL**. 2006. "Growth and leaf physiology of monkeyflowers with different altitude ranges." *Oecologia* 148: 183-194. [25, 40]
2. **Angert AL** and DW Schemske. 2005. "The evolution of species' distributions: Reciprocal transplants across the elevation ranges of *Mimulus cardinalis* and *M. lewisii*." *Evolution* 59: 1671-1684. [103, 156]
 - Reproduced in ecology textbook, *Economy of Nature* (R. Ricklefs, ed).
1. **Angert AL**, D Hutchison, D Glossip, and J Losos. 2002. "Microhabitat use and thermal biology of the collared lizard (*Crotaphytus collaris collaris*) and the fence lizard (*Sceloporus undulatus hyacinthinus*) in Missouri glades." *Journal of Herpetology* 36: 23-29. [12, 35]

In review or in revision:

Angert AL, M Bayly, SN Sheth, and JR Paul. Testing range-limit hypotheses using range-wide habitat suitability and occupancy for the scarlet monkeyflower (*Mimulus cardinalis*). (Submitted to *American Naturalist*, July 2016)

Pironen S, G Papuga, J Villellas, **AL Angert**, MB Garcia, and J Thompson. Geographic variation in genetic and demographic performance: New insights from an old biogeographical paradigm. (Submitted to *Biological Reviews*, December 2015; revision invited March 2016)

Curriculum Vitae
Amy Lauren Angert

Peterson ML, **AL Angert**, and KM Kay. Life history divergence alters the strength and pattern of phenotypic selection through fitness components in *Mimulus guttatus*. (Submitted to *Evolution*, March 2016).

Paul JR, T Parchman, A Buerkle, and **AL Angert**. Range-wide population genomics of *Mimulus cardinalis*. (Submitted to *Molecular Ecology*, September 2014, major revision invited).

(b) *Conference Proceedings*

Angert AL and SN Sheth. 2011. "Incorporating population variation in thermal niche properties into geographic range shift predictions." *Integrative and Comparative Biology* 51: E3.

Angert AL and DW Schemske. 2004. "Trade-offs and the evolution of altitude range limits in monkeyflowers." *Integrative and Comparative Biology* 44: 516.

(c) *Non-refereed Publications*

Angert AL, SL LaDeau, and RS Ostfeld. 2013. "Climate change and species interactions: ways forward." *Annals of the New York Academy of Sciences* 1297: 1-7. [9,]

Grants

Total value of competitive grants as principal investigator: \$1,533,500

Total value of grants as co-investigator: \$1,371,000

Total value of competitive grants: \$2,904,500

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| NSF DEB Population and Community Ecology | 2016 – 2020 |
| "Plant community assembly and disassembly with climate change" to J. HilleRisLambers and A. Angert | \$620,000 |
| Canadian Foundation for Innovation | 2014 – 2016 |
| "Centre for Experimental Biogeography" to A. Angert | \$311,000 |
| NSERC Discovery Grant | 2012 – 2017 |
| "The evolutionary ecology of geographic ranges in western North American <i>Mimulus</i> " to A. Angert | \$130,000 |
| NSF DEB Evolutionary Ecology | 2012 – 2014 |
| "Dissertation Research: Role of evolutionary potential in limiting species' distributions" to A. Angert and S. Sheth | \$14,984 |

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| USDA Special Technology Development Program | 2012 – 2014 |
| "Optimizing deployment of planting stock for multigenerational management of white pine blister rust and mountain pine beetle in limber pine stands" to A. Schoettle and A. Angert | \$54,921 |
| NSF DEB Population and Community Ecology | 2011 – 2012 |
| "Workshop: Climate change and species interactions: ways forward" to R. Ostfeld, S. La Deau, and A. Angert | \$97,499 |
| Shortgrass Steppe LTER VI | 2011 – 2013 |
| "Ecological genetics of blue grama (<i>Bouteloua gracilis</i>)" to A. Angert and M. Antolin | \$36,150 |
| NSF REU Supplement | 2011 |
| "Ecological and evolutionary dynamics of geographic range limits" | \$7,500 |
| NSF DEB Population and Community Ecology/ Evolutionary Processes | 2010 – 2013 |
| "Ecological and evolutionary dynamics of geographic range limits" to A. Angert and J. Paul | \$621,000 |
| NSF DEB Ecology | 2009 – 2012 |
| "Functional biology and community dynamics of desert annual plants" to L. Venable, T. Huxman, and A. Angert | \$575,000 |
| NSF DEB Ecology | 2007 – 2010 |
| "Phenotypic constraints and community structure: Linking intra- and interspecific trade-offs" to A. Angert, T. Huxman, and L. Venable | \$404,000 |
| NSF REU Supplement | 2009 |
| "Phenotypic constraints and community structure" | \$9,125 |
| Shortgrass Steppe LTER V | 2009 |
| "The effects of precipitation pulses on growing season length and species' life histories in a semi-arid grassland." H. Steltzer, A. Angert, and R. Hufbauer | \$23,900 |
| NSF DEB Evolutionary Processes | 2001 – 2004 |
| "Dissertation Research: The ecology and evolution of geographic range limits" to D. Schemske and A. Angert | \$9,000 |

Fellowships and Awards

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| Tier 2 Canada Research Chair in Conservation Ecology | 2012 – 2017 |
| Nominated for Killam Teaching Prize | 2015 |

Curriculum Vitae
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National Evolutionary Synthesis Center Postdoctoral Fellowship (offer declined) 2005
National Science Foundation Graduate Research Fellowship 1998 – 2001
Howard Hughes Medical Institute Undergraduate Research Fellowships 1996, 1997
Arthur Holly Compton Fellowship for Science & Math 1994 – 1998

Invited presentations

Symposia:

Society for the Study of Evolution Symposium: How and Why? 2016
Toward an Evolutionary Physiology Synthesis. *Austin, TX*
“Lability and constraint during niche evolution”

Canadian Botanical Association Symposium: Plant Species at the Edge 2016
“Dissecting why plant species distributions lag recent climate *Victoria, BC*
change”

Linnean Centre of Plant Biology Network Meeting 2015
“Dispersal or fitness limitation? Determining the proximate *Uppsala, Sweden*
causes of species’ geographic range limits” (**Keynote**)

Eco Evo Retreat, Brackendale, British Columbia 2014
“Functional biology and community assembly of desert annual *Brackendale, BC*
plants” (**Keynote**)

Gordon Research Conference: Unifying Ecology Across Scales 2014
“Relating intra- and interspecific variation in niche properties to *Biddeford, ME*
differences in geographic range size”

Forest Genetics 2013
“Forecasting future distributions: current limitations and next *Whistler, BC*
steps” (**Plenary**)

Chicago Plant Science Symposium: Species: From Concepts to Conservation 2011
“The ecological and evolutionary dynamics of species’ geographic *Chicago, IL*
ranges.”

Society for Integrative and Comparative Biology Symposium: A synthetic 2011
approach to the response of organisms to climate change *Salt Lake City, UT*
“Incorporating population variation in thermal niche properties into
geographic range shift predictions.”

Ecological Society of America Symposium: Does Biology Matter in 2010
Predicting Species’ Responses to Climate Change? *Pittsburgh, PA*

Curriculum Vitae
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"Can species' traits predict recent range shifts?"

- American Society of Naturalists Vice-Presidential Symposium: 2010
Ecological and Evolutionary Limits to Geographic Ranges *Portland, OR*
"Gene flow and phenotypic divergence across the *Mimulus cardinalis* geographic range."
- Ecological Society of America Organized Oral Session: Projection 2009
Matrix Models: Investigating General Patterns in Plant Demography *Las Cruces, NM*
"Population dynamics across species ranges: Comparative demography of central and marginal populations of *Mimulus cardinalis* and *M. lewisii*."
- National Academy of Sciences Arthur M. Sackler Colloquium: 2008
Biogeography, Niche Evolution and Climate Change *Irvine, CA*
"Species facing range limits."
- Society for Integrative and Comparative Biology Symposium: 2005
Adaptations for Life at High Elevation *San Diego, CA*
"Trade-offs and the evolution of altitude range limits in monkeyflowers."

Departmental seminars:

- University of California Berkeley, **Julius Thomas Hansen Lectureship** 2016
Uppsala University, Evolutionary Biology Centre 2015
Duke University, Program in Ecology 2014
UC Davis, Ecology and Evolution Group 2014
University of Victoria, Centre for Forest Biology and Department of Biology 2014
Utah State University, Ecology Center 2013
Florida State University, Biology Colloquium 2013
University of Kansas, Department of Ecology and Evolutionary Biology 2012
SUNY Stony Brook, **George William Lecture** 2012
University of Minnesota, Plant Sciences Colloquium 2012
University of Montana, Ecology Seminar Series, Division of Biological Sciences 2011
Rancho Santa Ana Botanic Garden 2011
University of British Columbia, Biodiversity Research Centre 2010
University of Wyoming, Department of Botany 2010
Washington University, Ecology, Evolution and Population Biology Program 2010
University of Toronto, Department of Ecology and Evolutionary Biology 2010
University of Colorado, Department of Ecology and Evolutionary Biology 2009

Curriculum Vitae
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|---|------|
| University of Calgary, Department of Biology | 2009 |
| University of Washington, Jill Fredericksen-Adams Memorial Lecture | 2008 |
| University of Northern Colorado, Department of Biology | 2008 |
| Colorado State University, Bioagricultural Sciences and Pest Management | 2008 |
| University of California San Diego, Department of Ecology & Evolution | 2007 |
| Colorado State University, Department of Biology | 2007 |
| Harvard University, Department of Organismal & Evolutionary Biology | 2007 |
| University of Missouri St. Louis, Department of Biology | 2007 |
| University of Iowa, Department of Biology | 2007 |

Submitted presentations

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| Evo-Wibo | 2016 |
| "Effects of gene flow on performance at the northern range margin of <i>Clarkia pulchella</i> ," by <u>MG Bontrager</u> (poster) | Pt. Townsend, WA |
| Eco Evo Retreat | 2015 |
| "Recent range shifts in the North Cascades" by <u>R Wilson</u> | Brackendale, BC |
| Ecological Society of America | 2015 |
| "Artificial selection reveals high genetic variation in phenology at the trailing edge of a species range," by <u>SN Sheth</u> with AL Angert | Baltimore, MD |
| George Wright Society Conference on Parks, Protected Areas, and Cultural Sites | 2015 |
| "Assessing the potential for maladaptation during active management of limber pine populations" by <u>E Borgman</u> with A Schoettle and AL Angert (poster) | Oakland, CA |
| Society for the Study of Evolution | 2014 |
| "Life history selection drives the early evolution of reproductive barriers in <i>Mimulus guttatus</i> ," by <u>M Peterson</u> with AL Angert and KM Kay | Raleigh, NC |
| ➤ Honorable Mention, Hamilton Award | |
| Ecological Society of America | 2013 |
| "Understanding maternal effects in long-lived plant species to improve genotype selection for conservation," by <u>E Borgman</u> with A Schoettle and AL Angert | Minneapolis, MN |
| Society for the Study of Evolution | 2013 |
| "Does a jack-of-all-temperatures have a large geographic range?" by <u>SN Sheth</u> with AL Angert | Snowbird, UT |

Curriculum Vitae
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- Society for the Study of Evolution 2013
"Population genomics and geographic range limits in the scarlet monkeyflower (*Mimulus cardinalis*)," by JR Paul with **AL Angert**, T Parchmann, and A Buerkle *Snowbird, UT*
- Ecological Society of America 2012
"Genetic constraints and community structure: Testing the concordance of trade-offs within and among species," by **AL Angert** with S Kimball, ML Peterson, TE Huxman, and DL Venable *Portland, OR*
- Ecological Society of America 2012
"Using historical demography to investigate geographic range limits in the scarlet monkeyflower (*Mimulus cardinalis*)" by JR Paul with **AL Angert** *Portland, OR*
- Ecological Society of America 2012
"Ecological niche attributes and geographic range size in western North American *Mimulus*" by SN Sheth with **AL Angert** *Portland, OR*
- Ecological Society of America 2012
"Range-wide patterns of genetic population structure and potential geographical range shifts of *Pinus contorta* (ssp. *latifolia*, *murrayana*, *contorta*, and *bolanderi*)" by S Bisbing with D Cooper and **AL Angert** *Portland, OR*
- Ecological Society of America 2012
"Water availability, functional trait diversity, and competitive interactions in Sonoran Desert winter annuals" by JR Gremer with S Kimball, **AL Angert**, TE Huxman, and DL Venable *Portland, OR*
- American Geophysical Union 2010
"Time scales of biogeochemical and organismal responses to individual precipitation events." by J. von Fischer with **AL Angert**, D Augustine, C Brown, F Dijkstra, J Derner, R Hufbauer, N Fierer, D Milchunas, J Moore, H Steltzer, and M Wallenstein *San Francisco, CA*
- Society for the Study of Evolution 2010
"Using historical demography to investigate geographic range limits in the scarlet monkeyflower (*Mimulus cardinalis*)" by JR Paul with **AL Angert** *Portland, OR*
- Society for the Study of Evolution 2010
"Ecological niche attributes and geographic range size in western *Portland, OR*

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- North American *Mimulus*" (poster) by SN Sheth with **AL Angert**
- All Scientists Meeting, Long Term Ecological Research Network 2009
"The pulse experiment: relative timing and magnitude of response by plants, microbes and soil fauna to an experimental precipitation event on the Shortgrass Steppe LTER" (poster) by J von Fischer with **AL Angert**, D Augustine, C Brown, F Dijkstra, J Derner, N Hanan, R Hufbauer, N Fierer, D Milchunas, J Moore, H Steltzer, and M Wallenstein. *Estes Park, CO*
- Ecological Society of America 2009
"Climate induced changes in plant community composition in the Sonoran Desert," by S Kimball with **AL Angert**, TE Huxman, and DL Venable *Albuquerque, NM*
- American Geophysical Union 2009
"Climate induced changes in plant community composition in the Sonoran Desert" (poster) by S Kimball with **AL Angert**, TE Huxman, and DL Venable *San Francisco, CA*
- Ecological Society of America 2008
"Functional trade-offs promote species coexistence via the storage effect" by **AL Angert** with TE Huxman, P Chesson, and DL Venable *Milwaukee, WI*
- Ecological Society of America 2008
"Phenological differences promote coexistence in Sonoran Desert Winter Annuals" by S Kimball with **AL Angert**, TE Huxman, and DL Venable *Milwaukee, WI*
- Ecological Society of America 2006
"Functional trait variation and differential responsiveness to precipitation in a guild of Sonoran Desert winter annuals" by **AL Angert** with G Barron-Gafford, K Gerst, TE Huxman, and DL Venable *Memphis, TN*
- Society for the Study of Evolution 2004
"The evolution of geographic range limits in monkeyflowers" by **AL Angert** *Fort Collins, CO*
- Ecological Society of America 2003
"Adaptation at geographic range limits of monkeyflowers (*Mimulus cardinalis* and *M. lewisii*)" by **AL Angert** *Savannah, GA*
- Midwest Ecology and Evolution Conference 2003

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- "Adaptation at geographic range limits of monkeyflowers
(*Mimulus cardinalis* and *M. lewisii*)" by **AL Angert** Akron, OH
- Plant Speciation Symposium, Plant Canada Meeting 2003
"Mechanisms of ecogeographic isolation between *Mimulus*
cardinalis and *M. lewisii*" (poster) by **AL Angert** with DW Schemske Antigonish, NS

Workshops and working groups

- Participant, CIEE working group 2014
"Canada's Phylogenetic Diversity in a Changing World" Regina, SK
- Organizer and participant, BRITE-funded workshop 2014
"Species Distribution Modeling Using R" by T. Edwards Vancouver, BC
- Co-organizer, NSF-funded workshop 2012
"Climate Change and Species Interactions: Ways Forward" Cary Institute, NY
- Participant, iPlant Collaborative 2010
Plant Adaptation Working Group Las Vegas, NV
- Participant, NCEAS/NESCent working group 2007 – 2009
Mechanistic Distribution Models: Energetics, Fitness, and Santa Barbara, CA
Population Dynamics Durham, NC
- Participant, iPlant Collaborative 2008
Introductory meeting Cold Spring Harbor, NY
- Participant, graduate workshop 2004 – 2005
"Scientific Teaching in Plant Biology" by D. Ebert-May East Lansing, MI
- Participant, graduate workshop 2002
"Matrix Population Modeling" by C. Horvitz Kellogg Biological Station, MI
- Participant, OTS graduate course 1998
"Tropical Biology: An Ecological Perspective" Costa Rica

Teaching

University of British Columbia:

- Graduate Presentations, BOTA 501 2016
Graduate Population Ecology, BIOL 548m 2015 – present
Advanced Ecology, BIOL 306 (co-instructor) 2014 – present
Plant Ecology, BIOL 406 (co-instructor) 2012 – present

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Colorado State University:

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| Plant Ecology, BZ 450 | 2010 – 2012 |
| Molecular Ecology, BZ 425/525 (co-instructor) | 2010 – 2012 |
| Biology of Organisms, LIFE 103 (co-instructor) | 2009 – 2011 |

University service

University of British Columbia:

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|--|-------------|
| Co-chair, Ecologist Search Committee, Depts. of Zoology and Botany | 2016 – 2017 |
| Member, Head Search Committee, Department of Botany | 2016 |
| Member, Graduate Fellowship Adjudication Committee, Office of the Dean | 2016 |
| University Examiner, Forest Sciences | 2016 |
| Member, Evolutionary Biologist Search Committee, Dept. of Zoology | 2015 – 2016 |
| Member, TA/Scholarships/Awards Committee, Department of Botany | 2014 |
| Member, Website Advisory Committee, Department of Botany | 2014 |
| Member, BRITE Awards Committee, Biodiversity Research Centre | 2014 |
| Member, Postdoc Selection Committee, Biodiversity Research Centre | 2014 |
| University Examiner, Forest Sciences | 2014 |
| University Examiner, Botany | 2014 |
| External Examiner, Forest Sciences | 2014 |
| Exam Chair, Zoology | 2013 |
| University Examiner, Forest Sciences | 2012 |

Colorado State University:

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| Member, Executive Committee, Plant Molecular Biology Program | 2010 – 2012 |
| Member, Ecologist Search Committee, Department of Biology | 2010 – 2011 |
| Member, Graduate Committee, Department of Biology | 2008 – 2010 |

Professional service

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| External examiner, University of Queensland | 2015, 2016 |
| Associate Editor, <i>Evolution</i> | 2015 – present |
| Associate Editor, <i>Ecology Letters</i> | 2014 – present |
| Graduate Student Mentor, Gordon Research Conference | 2014 |
| Associate Editor, <i>Botany</i> | 2013 – 2014 |
| Chair, Plant Population Ecology Section, Ecological Society of America | 2011 – 2013 |
| Vice-Chair, Plant Population Ecology Section, Ecological Society of America | 2010 |
| Panelist, NSF Dimensions of Biodiversity Panel | 2010 |
| Panelist, NSF Population and Evolutionary Processes DDIG Panel | 2009 |

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| Panelist, Committee for Information Technology Development American Society of Plant Biologists | 2008 |
| Judge, Hamilton Award competition, Society for the Study of Evolution | 2008, 2010 |
| Ad hoc proposal reviewer National Science Foundation, Austrian National Science Foundation, USGS Climate Change and Wildlife Research Center, Natural Sciences and Engineering Research Council, Netherlands Council for the Earth and Life sciences | 2007 – present |
| Ad hoc manuscript reviewer <i>Acta Oecologia, American Journal of Botany, American Naturalist, Annals of Botany, Annals of the New York Academy of Sciences, Biology Letters, Botany, Ecography, Ecology, Ecology Letters, Evolution, Evolutionary Applications, Functional Ecology, Global Change Biology, Global Ecology and Biogeography, Global Environmental Change, International Journal of Plant Sciences, Journal of Biogeography, Journal of Ecology, Journal of the Torrey Botanical Society, Molecular Ecology, Nature, New Phytologist, Oecologia, Oikos, Perspectives in Plant Ecology, Evolution and Systematics, Plant Biology, PLoS Biology, Proceedings of the National Academy of Science, Proceedings of the Royal Society of London Series B, Science</i> | 2005 – present |

Professional societies

Ecological Society of America
Society for the Study of Evolution
Sigma Xi
Society for Integrative and Comparative Biology

Community outreach

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| Co-organizer, round table on climate change effects on plant communities of the Pacific Northwest | 2016 – present Newhalem, WA |
| Presentation to Café Scientifique “Moving up or moving out? Predicting species’ distributions in a warming world” | 2014 Vancouver, BC |
| Presentation to Vancouver Nature Society “Moving up or moving out? Predicting species’ distributions | 2013 Vancouver, BC |

Curriculum Vitae
Amy Lauren Angert

in a warming world”

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|---|------------------------------------|
| Development of teaching unit on climate change Parks as Classroom series | 2010 – 2012 <i>Yosemite, CA</i> |
| Co-organizer, evolution activities and displays Putnam Elementary Science Carnival | 2009 <i>Fort Collins, CO</i> |
| Science fair judge Pusch Ridge Academy | 2006 <i>Tucson, AZ</i> |