

Curriculum Vitae - Bryan Latimer Foster

Department of Ecology and Evolutionary Biology / Kansas Biological Survey
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EEB Faculty page: <http://www2.ku.edu/~eeb/faculty/foster.shtml>

Lab Website: http://kbs.ku.edu/people/staff_www/foster/index.htm

EDUCATION

1996 Ph.D. Botany and Plant Pathology, Michigan State University. Advisor: Katherine Gross
1992 M.S. Zoology, Michigan State University. Advisor: Katherine Gross
1989 B.S. Range Science, Texas A&M University. Advisor: Fred Smeins

PROFESSIONAL APPOINTMENTS

2012-present Professor, Dept. of Ecology and Evolutionary Biology, University of Kansas
2012-present Senior Scientist, Kansas Biological Survey
2005-2011 Associate Professor, Dept. of Ecology and Evolutionary Biology, University of Kansas
1999-2005 Assistant Professor, Dept. of Ecology and Evolutionary Biology, University of Kansas
1997-1999 Postdoctoral Fellow, Dept. of Ecology, Evolution and Behavior, University of Minnesota. Advisor: David Tilman
1996-1997 Postdoctoral Researcher, Kellogg Biological Station, Michigan State University. Advisor: Katherine Gross, Mike Klug

RESEARCH EXPERTISE

Community Ecology, Restoration Ecology

COURSES TAUGHT

Principles of Ecology (BIOL 414)
Community and Ecosystems Ecology (BIOL 714)
Field and Laboratory Methods in Ecology (BIOL 415)
Plant Ecology (BIOL 602)
Field and Laboratory Exercises in Plant Ecology (BIOL 607)
Biodiversity and Ecosystem Function (BIOL 701 graduate seminar)
Species Coexistence and Community Organization (BIOL 701 graduate seminar)
Ecological Applications (BIOL 701 graduate seminar)
Community Ecology (BIOL 701 graduate seminar)
Restoration Ecology (BIOL 701 graduate seminar)

EXTERNAL FUNDING

2010-2015. NSF-Population and Community Ecology (\$580,362). Plant recruitment, coexistence and community assembly in developing prairie restorations. PI: **B. L. Foster**.

2010-2015. NSF-LTREB (\$267,524). Long-term studies of secondary succession and community assembly in the prairie-forest ecotone of eastern Kansas. PI: **B. L. Foster**.

2010-2010. NSF REU Supplement (\$8,000). REU supplement to - Grassland community coalescence and diversity in response to nitrogen eutrophication: the interplay of species pools, niche-determinism and neutral processes PI: **B. L. Foster**.

2006-2011. NSF-Ecological Studies (\$480,000). Grassland community coalescence and diversity in response to nitrogen eutrophication: the interplay of species pools, niche-determinism and neutral processes PI: **B. L. Foster**.

2005-2006. National Fish and Wildlife Foundation. (\$80,000). Prairie restoration and outreach in eastern Kansas. PI: W. D. Kettle, Co-PIs: W. H. Busby, H. M. Alexander, **B. L. Foster**, C. C. Freeman, K. Kindscher, and E. A. Martinko.

2004-2007. NSF-DBI-Biological Field Stations and Marine Labs (\$323,538). Enhancement of research and education facilities at the University of Kansas Field Station. PI: **B. L. Foster**; Co-PIs: H.M. Alexander, S.A. Billings, F.J. de Noyelles, W.D. Kettle.

2004-2009. USDA National Forest Service (\$337,351). Experiments in landscape-scale restoration and community assembly at Savannah River. PI: **B. L. Foster**.

2002-2006. USDA-NRI (\$350,000). Multi-scaled constraints on biodiversity and ecosystem function in the secondary grasslands of eastern Kansas. PI: **B. L. Foster**; Co-PI: K. Kindscher

2001-2006. NSF-Ecological Studies (\$362,745). Plant productivity-diversity relationships: an experimental evaluation of the roles of local ecological processes and species pool effects. PI: **B. L. Foster**; Co-PI: V.H. Smith.

2000-2004. NASA (\$997,800). Linking remote sensing, land use, and carbon sequestration: insights from leaf to landscape scales. PI: K. Price; Co-PIs: E. Martinko, S. Egbert, M. Jakubauskas, T. Crooks, J. Whistler, **B. L. Foster**, C. Martin, K. Kindscher, W.D. Kettle, and H. Tian.

2000-2003. NSF-LTREB (\$120,000). Long-term studies of population and community ecology in an experimentally fragmented landscape. PI: R. Holt, Co-PIs: **B. L. Foster**, K. Price, N. Slade, P. Rich.

1999-2003. USDA National Forest Service (\$55,000). Landscape-scale restoration and the re-assembly of native plant communities at Savannah River. PI: **B. L. Foster**.

INTERNAL FUNDING (University of Kansas)

2012-2013 Ecology and Evolutionary Biology, General Research Fund Award (GRF \$12,610).

2006-2007. Ecology and Evolutionary Biology, General Research Fund Award (GRF \$10,000).

2003-2004. Ecology and Evolutionary Biology, General Research Fund Award (GRF \$10,000).

2002-2003. Ecology and Evolutionary Biology, General Research Fund Award (GRF \$3,500).

2000-2001. New Faculty General Research Fund Award (KU NFGRF - \$9,561).

INVITED SEMINARS

2010: Kansas State University

2009: Washington University-St. Louis; Iowa State University; USDA Forest Service-Savannah River

2008: University of Missouri; Wichita State University

2005: University of California at Irvine

2004: Michigan State University, Haskell Indian Nations University

2003: University of Akron

2002: William Jewel College
2001: University of Nebraska
2000: Indiana University
1999: University of Kansas; University of Alberta; Cal State University; Eastern Illinois University
1997: University of Minnesota; Penn State University; University of Michigan; North Dakota
1996: University of Missouri-St. Louis; University of Pittsburgh

AWARDS

2004 KU Graduate Student Mentorship Award (KU Graduate and Professional Association)

PROFESSIONAL AFFILIATIONS

British Ecological Society
Ecological Society of America
International Association of Vegetation Scientists
Sigma Xi.

PROFESSIONAL SERVICE

Editorial service:

Associate Editor, Journal of Vegetation Science (2009-present)
Associate Editor, Oecologia (2009-present)
Associate Editor, Journal of Ecology (2006-2009)
Associate Editor, Plant Ecology (2005-2009)

Manuscript reviews:

American Naturalist, Bioscience, Biological Invasions, Canadian Journal of Botany, Ecology, Ecological Applications, Ecology Letters, Ecological Monographs, Int. Journal of Applied Ecology, Journal of Arid Environments, Journal of Ecology, Journal of Plant Sciences, Journal of Tropical Forest Science, Journal of Vegetation Science, Oecologia, Plant Biology, Plant Ecology, PNAS, Urban Ecosystems.

Domestic grant proposal reviews:

NSF, USDA-NRI

Grant proposal panels:

NSF, Ecological Studies Panel (April 2007)
NSF, Population and Community Ecology Panel (October 2010)
NSF, IGERT Panel (October 2012)

International service:

Dissertation opponent to Lauri Laanisto, University of Tartu, Tartu Estonia, 2008
Proposal Review for Utrecht Council for the Earth and Life sciences
Proposal Review for Natural Sciences and Engineering Research Council (NSERC) of Canada

University service:

Honors Program Committee, Division of Biological Sciences (Chair); Honors Program Committee, Division of Biological Sciences (member); Executive Committee of the U. Kansas Field Station (member); KU Calendar Committee (Chair); KU Calendar Committee (member); Kansas Biological Survey Director 5-year Review Committee (Chair).

Departmental service:

EEB Strategic Planning Committee (member); EEB Graduate Program Committee (Chair); EEB Graduate Program (member); EEB Graduate Admissions Committee (member); KU EEB Colloquium Committee (Chair and Coordinator); EEB Long-range Planning Committee (member). Proposal Reviewer - EEB General Research Fund. EEB Large-Scale Ecologist Search Committee (member); EEB/KBS Microbial Ecologist Search Committee (Chair); EEB Ichthyologist Search Committee (member).

PEER REVIEWED PUBLICATIONS

38. Wong, B. M., G. R. Houseman and B. L. Foster. 2012. Targeting Vulnerable Life-Stages of *Sericea Lespedeza* (*Lespedeza cuneata*) with Prescribed Burns. *Invasive Plant Science & Management*. 5(4):487-493. 2012.
37. Alexander, H. M., B. L. Foster, F. Ballantyne IV, C. D. Collins, J. Antonovics, R. D. Holt. 2012. Metapopulations and metacommunities: combining spatial and temporal perspectives in plant ecology. *Journal of Ecology*, 100th Anniversary Edition. 100:88-103
36. Dickson, T. L. and **B. L. Foster** 2011. Fertilization decreases plant biodiversity even when light is not limiting. *Ecology Letters* 14:380-388.
35. Questad, E. J., **B. L. Foster**, S. Jog, K. Kindscher, H. Loring. 2011. Evaluating patterns of biodiversity in managed grasslands with spatial turnover metrics. *Biological Conservation* 144:1050-1058
34. **Foster B. L.**, E. J. Questad, C. D. Collins, C. A. Murphy, T. L. Dickson and V. H. Smith. 2011. Seed availability constrains plant species sorting along a soil fertility gradient. *Journal of Ecology* 99:473-481.
33. **Foster B. L.**, I. S. Khavin I. S., C. A. Murphy, V. H. Smith, M. E. Ramspott, K. P. Price and K. Kindscher. 2010. Integrated responses of grassland biodiversity and ecosystem properties to hay management: a field experiment. *Transactions of the Kansas Academy of Science* 113:103-119.
32. Aschenbach, T., **B. L. Foster** and D. W. Imm. 2009. The initial phase of a longleaf pine-wiregrass savanna restoration: species establishment and community responses. *Restoration Ecology* 18:762-771.
31. Collins, C. D. and **B. L. Foster**. 2009. Community-level consequences of mycorrhizae depend on Phosphorus availability. *Ecology* 90:2567-2576.
30. Collins, C. D., **B. L. Foster** and R. D. Holt. 2009. Patch size effects on plant species decline in an experimentally fragmented landscape. *Ecology* 90:2577-2588.
29. **Foster. B. L.**, K. Kindscher, G. R. Houseman and C.A. Murphy. 2009. Effects of hay management and native species sowing on grassland community structure, biomass and restoration. *Ecological Applications* 18:1884-1896.
28. **Foster, B. L.**, and C. D. Collins. 2009. Colonization of successional grassland by *Ulmus rubra* Muhl. In relation to landscape position, habitat productivity, and proximity to seed source. *The Torrey Botanical Society* 136:392-402.

27. Collins, C. D., and **B. L. Foster**. 2008. The role of topography and soil characteristics in the relationship between species richness and primary productivity in a Kansas grassland. *Transactions of the Kansas Academy of Science* 11:105-117.
26. Dickson, T. L., and **B. L. Foster**. 2008. The relative importance of the species pool, productivity and disturbance in regulating grassland plant species richness: a field experiment. *Journal of Ecology* 96: 937-946.
25. Questad, E. J. and **B. L. Foster**. 2008. Coexistence through spatio-temporal heterogeneity and species sorting in grassland plant communities. *Ecology Letters* 11:717–726.
24. **Foster, B. L.**, C.A. Murphy, K. Keller, T. Aschenbach, E. J. Questad and K. Kindscher. 2007. Restoration of prairie community structure and ecosystem function in an abandoned hayfield: a sowing experiment. *Restoration Ecology* 15:652-661.
23. Questad, E. J. and **B. L. Foster**. 2007. Vole disturbances and plant diversity in a grassland metacommunity. *Oecologia* 153: 341-351.
22. Ashworth, S. M., **B. L. Foster** and K. Kindscher. 2006. Relative contributions of adjacent species set and environmental conditions to plant community richness and composition in a group of created wetlands. *Wetlands* 26:193-204.
21. Billings, S. A., C. M. Brewer and **B. L. Foster**. 2006. Incorporation of plant residues into soil organic matter fractions with grassland management practices in the North American Midwest. *Ecosystems* 9:805-815.
20. Jog, S, K. Kindscher, E. Questad, **B. L. Foster** and H. Loring. 2006. Remnant native prairie hay meadows as reservoirs of grassland plant species diversity. *Natural Areas Journal* 26:149-167
19. Murphy, C. A., **B. L. Foster**, M. E. Ramspott and K. P. Price. 2006. Effects of cultivation history and current grassland management on soil quality in Northeastern Kansas. *Journal of Soil and Water Conservation* 61:75-84.
18. Cook, W. M., J. Yao, **B. L. Foster**, R. D. Holt and L. B. Patrick. 2005. Secondary succession in an experimentally fragmented landscape: community patterns across space and time. *Ecology* 86:1267-1279.
17. Smith, V. H., **B. L. Foster**, J. P. Grover, R. D. Holt, M. A. Leibold, F. de Noyelles. 2005. Phytoplankton species richness scales consistently from laboratory microcosms to the world's oceans. *Proceedings of the National Academy of Sciences* 102:4393-4396.
16. **Foster, B. L.**, and T. L. Dickson. 2004. Grassland diversity and productivity: the interplay of resource availability and propagule pools. *Ecology* 85:1541-1547.
15. **Foster, B. L.**, T. L. Dickson, C. A. Murphy, I. S. Karel and V. H. Smith. 2004. Propagule pools mediate community assembly and diversity-ecosystem regulation along a grassland productivity gradient. *Journal of Ecology* 92: 435-449.
14. Murphy, C. A., **B. L. Foster**, M. E. Ramspott and K. P. Price. 2004. Grassland management and soil bulk density. *Transactions of the Kansas Academy of Science* 107:45-54.

13. **Foster, B. L.** and D. Tilman 2003. Seed limitation and the regulation of community structure in Oak Savanna grassland. *Journal of Ecology* 91:999-1007.
12. Ross, A., **B. L. Foster** and G. Loving. 2003. Contrasting effects of plant neighbors on invading *Ulmus rubra* seedlings in a successional grassland. *Ecoscience* 10:1032-1037.
11. **Foster, B. L.**, V. H. Smith, T. L. Dickson and T. Hildebrand. 2002. Invasibility and compositional stability in a grassland community: relationships to diversity and extrinsic factors. *Oikos* 99:301-308.
10. **Foster, B. L.** 2002. Competition, facilitation and the distribution of *Schizachyrium scoparium* along a topographic-productivity gradient. *Ecoscience* 9:355-363.
9. Cook, W. M., K. T. Lane, **B. L. Foster** and R. D. Holt. 2002. Island theory, matrix effects, and species richness patterns in habitat fragments. *Ecology Letters* 5:619-623.
8. Kincaid, P., V. H. Smith, **B. L. Foster**, and J. L. Madden. 2002. Effects of phosphorus and nitrogen manipulations on tallgrass prairie restoration. In: *National Nursery Proceedings – 1999-2001*. Dumroese, R. K., L. E. , T. D. Landis, technical coordinators. Ogden, Utah: USDA Forest Service, Rocky Mt. Research Station. Proceedings RMRS-P-24:364-369.
7. **Foster, B. L.** 2001. Constraints on colonization and species richness along a grassland productivity gradient: the role of propagule availability. *Ecology Letters* 4:530-535.
6. **Foster, B. L.** 2000. Competition at the population level along a standing crop gradient: a three-year field experiment in successional grassland. *Plant Ecology* 151:171-180.
5. **Foster, B. L.** and D. Tilman. 2000. Dynamic and static views of succession: testing the descriptive power of the chronosequence approach. *Plant Ecology* 146:1-10.
4. **Foster, B. L.** and K. L. Gross. 1999. Temporal and spatial variability of woody plant establishment in Michigan old-fields. *American Midland Naturalist* 142:229-243.
3. **Foster, B. L.** 1999. Establishment, competition, and the distribution of native grasses among Michigan old-fields. *Journal of Ecology* 87:476-489.
2. **Foster, B. L.** and K. L. Gross. 1998. Species richness in a successional grassland: effects of nitrogen enrichment and plant litter. *Ecology* 79:2593-2602.
1. **Foster, B. L.** and K. L. Gross. 1997. Partitioning the effects of plant biomass and litter on *Andropogon gerardi* in old-field vegetation. *Ecology* 78:2091-2104.

BOOK REVIEWS

- Foster, B. L.** 2007. Review of - *The National Grasslands: A Guide to America's Undiscovered Treasures* (Moul, F. 2006, University of Nebraska Press). *Quarterly Review of Biology* 82:300-301.
- Foster, B. L.** 2002. Review of - *Managing competition and succession in pasture systems* (Tow, P. G. and A. Lazenby, 2001, CABI Publishing, New York). *Ecology* 83:3528-3530.

TECHNICAL REPORTS

Foster, B. L. and T. Aschenbach. 2009. Secondary succession, community assembly and restoration in grasslands and savannas. Department of Energy Technical Report #973804

PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS/SYMPOSIA

Hall, D. R., **Bryan L. Foster** and Greg Houseman. 2013. Does planting native prairie species slow the establishment and spread of *Lespedeza cuneata*? Kansas Natural Resources Conference (KNRC) Wichita Kansas.

Bittel, A. T. and B. L. Foster. 2012. Exploring stochastic and niche-based community assembly dynamics in a long-term grassland field experiment. Annual Meeting of the Ecological Society of America, Portland OR.

Pesek, M. F. and B. L. Foster. 2012. Bottom-up forces and recurrent disturbance shape arthropod community composition and diversity in a tallgrass prairie ecosystem. Annual Meeting of the Ecological Society of America, Portland OR.

Long, Q., K. K. Kindscher and B. L. Foster. 2012. Seed addition with heterogeneous disturbances to increase native diversity in restored grasslands. Annual Meeting of the Ecological Society of America, Portland OR.

Alexander, H. M., **B. L. Foster**, F. Ballantyne IV, C. D. Collins, J. Antonovics, R. D. Holt. 2011. Metapopulations and metacommunities: combining spatial and temporal perspectives in plant ecology. Journal of Ecology Centennial Symposium: Annual Meeting of the British Ecological Society, Sheffield, UK.

Bittel, A. T., **B. L. Foster** and S. E. Hinman, 2011. Community assembly history influences primary productivity in a developing tallgrass prairie. Annual Meeting of the Ecological Society of America, Austin TX.

Pesek, M. F., **B. L. Foster** and S. E. Hinman. 2011. Seed availability and soil fertility interact to govern the successional dynamics of plant diversity in a grassland ecosystem. Annual Meeting of the Ecological Society of America, Austin TX.

Aschenbach, T. A., **B. L. Foster** and D. Imm. 2010. Lessons from a longleaf pine savanna restoration in South Carolina, USA: Primary productivity and soil organic matter. Ecological Society of America, Pittsburg Pennsylvania.

Murphy, C. A. and **B. L. Foster**. 2010. The influence of plant species identity and seasonality on soil rhizosphere bacterial communities. Ecological Society of America, Pittsburg Pennsylvania.

Foster, B. L. E. J. Questad, C. D. Collins, C. A. Murphy, T. L. Dickson and V. H. Smith. 2009. Species availability mediates plant species sorting and community development across an experimental soil nitrogen gradient. Ecological Society of America, Albuquerque New Mexico.

Houseman, G. R., **B. L. Foster** and C. Brassil. 2009. Propagule pressure-establishment relationships vary with environmental conditions for *Lespedeza cuneata* in a Kansas grassland. Ecological Society of America, Albuquerque New Mexico.

Kapolka, C, T.A. Aschenbach, **B. L. Foster**, and D. W. Imm. 2009. Seed dispersal success of transplanted species in a longleaf pine savannah restoration experiment at the Savannah River Site, South Carolina. The Stewardship Network Conference, East Lansing, Michigan.

Foster, B. L. 2008. The influence of nutrient supply and seed limitations on the dynamics of grassland succession. Meeting of the British Ecological Society, London, UK.

Houseman, G. R., **B. L. Foster** and K. Kindscher. 2008. Conversion from HILD to LIHD grasslands by seed addition: impacts on plant diversity and production under hay management" Conference on the Ecological Dimensions of Biofuels - Ecological Society of America. Washington D.C.

Aschenbach, T. A., **B. L. Foster**, D. W. Imm, and N. Drozda. 2007. Community assembly and longleaf pine savanna restoration. Ecological Society of America Society. San Jose, California.

Aschenbach, T. A., **B. L. Foster**, and D. W. Imm. April 2007. Large-scale restoration of longleaf pine savanna understory communities at the Savannah River Site, South Carolina. 2nd National Conference on Ecosystem Restoration, Kansas City, Missouri.

Foster, B.L. **2007. The interaction of soil fertility, disturbance and propagule pools in regulating plant diversity.** Special Symposium: Plant diversity patterns - explicable by evolution and dispersal. Annual Meeting of the International Association of Vegetation Scientists (IAVS). Palmerston North, New Zealand.

Houseman, G. R., **B. L. Foster**, and E. J. Questad. 2007. Feedbacks between community assembly and ecosystem function govern the diversity-productivity relationship. Ecological Society of America. San Jose, California.

Houseman G. R. and **B. L. Foster**. 2007. Does propagule pressure change invasion risk under different agricultural management regimes? Weed Science Society of America, San Antonio Texas.

Murphy C. A and **B. L. Foster**. 2007. Effects of fertilization and haying on soil bacterial communities in a northeastern Kansas experiment. Ecological Society of America Annual Meeting. San Jose, California.

Questad, E. J and **B. L. Foster**. 2007. Disturbance, dispersal limitation, and community assembly in restored grassland metacommunities. Ecological Society of America. San Jose, California.

Aschenbach, T. A., **B. L. Foster**, and D. W. Imm. 2006. Longleaf pine plant community restoration at the Savannah River Site: design and preliminary results. 6th Longleaf Alliance Regional Conference, Tifton, Georgia.

Aschenbach, T. A., **B. L. Foster**, and D.W. Imm. 2006. A tale of two ecosystems: comparing community assembly approaches to restoration from a prairie restoration in Kansas, USA and a Pine Savanna restoration in South Carolina, USA. 5th European Conference on Restoration Ecology, Greifswald, Germany.

Aschenbach, T. A., **B. L. Foster**, and D. W. Imm. March 2006. Restoration of pine savanna understory communities at the Savannah River Site. Southeastern Ecology and Evolution Conference. Tuscaloosa, Alabama.

Collins, C. D., R. D. Holt and **B. L. Foster**. 2006. Patch size affects patterns of plant extinction during succession in an experimentally fragmented landscape. U.S International Association for Landscape Ecologists. Tucson, Arizona (**Best oral presentation award to Cathy Collins**).

- Foster, B. L.**, K. Keller, C. Murphy, and T. A. Aschenbach. 2006. Effects of tallgrass prairie restoration and accelerated succession on plant diversity and ecosystem function. 5th European Conference on Restoration Ecology, Greifswald, Germany.
- Questad, E. J., **B. L. Foster**, S. Jog, and K. Kindscher. 2006. Land-use and community assembly in a grassland landscape. U.S. Association of the International Association for Landscape Ecology, Tucson, Arizona.
- Billings, S., C. Brewer and **B. L. Foster**. 2005. Incorporation of plant residues into soil organic matter as impacted by grassland management practices in the North American Midwest. Ecological Society of America, Annual Meeting, Montreal Canada.
- Foster, B. L.** C. Murphy, T. Dickson, I. Karel, C. Collins, E. Questad. 2005. Development of the diversity - productivity relationship during community re-assembly is constrained by propagule availability. Ecological Society of America, Annual Meeting, Montreal Canada.
- Jog, S, E. Questad, S. Fritts, K. Kindscher, **B. L. Foster** and H. Loring. 2005. Do patchy prairie plant populations form metapopulations? Meetings of the Botanical Society of America, Austin, Texas.
- Jog, S. K., E. J. Questad, K. Kindscher, **B. L. Foster** and H. Loring. 2005. Comparing floristic quality of native versus planted grasslands in Northeast Kansas. Midwest Ecology and Evolution Conference, Carbondale, Ill.
- Karel, I., **B. L. Foster**, M. Ramspott, K. Price. 2005. Arthropod diversity responds to nutrient enrichment and disturbance in a grassland experiment. Ecological Society of America, Annual Meeting, Montreal Canada.
- Murphy, C., **B. L. Foster**, M. Ramspott, K. Price. 2005. Effects of fertilization and haying on grassland productivity, community properties and relationships to spectral reflectance. Ecological Society of America, Annual Meeting, Montreal Canada.
- Price, K. P., M.E. Ramspott, **B. L. Foster**, and C. Murphy. 2005. Using time-series airborne multispectral imagery to characterize grassland cover and land management practices influencing soil carbon stocks. PECORA16 Conference. Global Priorities in Land remote Sensing, Sioux Falls, South Dakota.
- Questad, E., **B.L. Foster**, S. Jog, K. Kindscher. 2005. Scale-dependent diversity partitioning of managed grasslands. Ecological Society of America, Annual Meeting, Montreal Canada.
- Ramspott, M. E, K. P. Price, C. Murphy and B. L. Foster. 2005. Modeling biophysical factors in grassland using remote sensing: Seasonal effects. PECORA16 Conference. Global Priorities in Land remote Sensing, Sioux Falls, South Dakota.
- Smith, V. H., **B. L. Foster**, J.P. Grover, R. D. Holt, M. A. Leibold, and F. deNoyelles. 2005. Effects of spatial Scale and productivity on phytoplankton species richness. American Society of Limnology and Oceanography, Salt Lake City, Utah.
- Collins, C. and **B. L. Foster**. 2004. Fragmentation, succession, and the accumulation of species in space and time. Ecological Society of America, Annual Meeting, Portland, OR.
- Dickson, T. L. and **B.L. Foster**. 2004. Species pools interact with disturbance to control plant productivity in Kansas grassland. Ecological Society of America, Annual Meeting, Portland, OR.

Dickson, T. L. and **B. L. Foster**. 2004. Plant biomass and diversity are augmented by species pools in Kansas grassland. Midwest Ecology and Evolution Conference, University of Notre Dame.

Foster, B. L., T. L. Dickson, C. Murphy, I. Karel. 2004. Shifting limitations on plant community assembly, diversity and productivity along a natural landscape gradient. Ecological Society of America, Annual Meeting, Portland, OR.

Price, K. P., M. E. Ramspott, **B. L. Foster**, and C. Murphy. 2004. Using airborne multispectral data to assess land-use impacts on carbon stocks in managed grasslands. Association of American Geographers, Centennial Meeting, Philadelphia, PA.

Questad, E. and **B. L. Foster**. 2004. Vole disturbances create spatial heterogeneity and a successional mosaic. 2004. Ecological Society of America, Annual Meeting, Portland, OR.

Ramspott, M. E., K. P. Price, **B. L. Foster**, and C. A. Murphy. 2004. Characterization of biophysical factors in an experimental cool-season grassland using multitemporal, multiscale VNIR remote sensing. Association of American Geographers, Centennial Meeting, Philadelphia, PA.

Aschenbach, T. A., K. Kindscher and **B. L. Foster**. 2003. Dispersal limitation in an early successional grassland. Ecological Society of America, Annual Meeting, Savannah, GA.

Dickson, T. L. and **B. L. Foster**. 2003. The control of plant species richness in relation to productivity: seed vs. microsite limitation. Ecological Society of America, Annual Meeting, Savannah, GA.

Foster, B. L. and T. L. Dickson. 2003. Multiple limitations on plant species richness in a grassland community. Ecological Society of America, Annual Meeting, Savannah, GA.

Karel, I. S. A. L. Brothers, **B. L. Foster**, V. H. Smith, M. Ramspott, and K. Price. 2003. Experimental Nutrient Manipulations in the Restoration of a Tallgrass Community. Society for Ecological Restoration International Conference, Austin, Texas.

Karel, I. S., V. H. Smith, **B. L. Foster**, A. Brothers, M. Ramspott and K. Price. 2003. Effects of experimental nutrient manipulations on a restored grassland community. Ecological Society of America, Annual Meeting, Savannah, GA.

Mellard, J. P. and **B. L. Foster**. 2003. Effects of initial conditions and resource supply on species assemblage dynamics: A microcosm study. Ecological Society of America, Annual Meeting, Savannah, GA.

Murphy, C. A., **B. L. Foster**, M. E. Ramspott and K. P. Price. 2003. Soil characteristics of Conservation Reserve Program in relation to other privately managed grasslands. Society for Ecological Restoration International Conference, Austin, Texas.

Murphy, C. A., **B. L. Foster**, M. E. Ramspott, K. P. Price, T. Hildebrand and L. Evanhoe. 2003. Spatial scaling of plant species richness in grasslands: relationships to productivity, soils and management. Ecological Society of America, Annual Meeting, Savannah, GA.

Questad, E. J., D. Kettle, K. Kindscher, **B. L. Foster**, and G. Pittman. 2003. Productivity in relation to burning and site quality in a 40-year prairie restoration. Society for Ecological Restoration International Conference, Austin, Texas.

Ramspott, M. E., K. P. Price, and **B. L. Foster**. 2003. Multi-scale remote sensing-based measurement of biophysical characteristics in northeast Kansas grasslands. Annual meeting of the Association of American Geographers (AAG) in New Orleans, LA.

Ramspott, M. E., K. P. Price, **B. L. Foster** and C. A. Murphy. 2003. Linking remotely sensed measurements to biophysical factors in a cool-season grassland in Northeast Kansas. Proceedings, American Society for Photogrammetry and Remote Sensing (ASPRS) Annual Meeting, Anchorage, AK.

Dickson, T. L., and **B. L. Foster**. 2002 Constraints on plant diversity at high productivity: Isolating the role of light limitation. Ecological Society of America, Annual Meeting, Tuscon, AZ. (**E. Lucy Braun Award for best student poster to Tim Dickson**).

Foster, B. L. and V. H. Smith. 2002. Grassland community structure along resource-productivity gradients. Invited symposium presentation. European Ecological Congress. Lund, Sweden.

Dickson, T., and **B. L. Foster**. 2001. Colonization and species richness in grassland: effects of micro-site availability, resource supply and seed availability. Ecological society of America, Annual Meeting, Madison, WI.

Emry, J., J. Moody-Weis, A. Rabas, V. H. Smith, **B. L. Foster**, V. Petersen. 2001. Effects of species, leaf position, and soil fertility on foliar disease in a tallgrass prairie. Ecological society of America, Annual Meeting, Madison, WI.

Foster, B. L. 2001. Constraints on species richness in grassland: testing the relative significance of species pools and local ecological processes. British Ecological Society, Winter Meetings. Coventry, UK.

Foster, B. L. 2001. Limitations on species richness along a grassland productivity gradient: the importance of species availability. Ecological society of America, Annual Meeting, Madison, WI.

Ross, A., and **B. L. Foster**, G. S. Loving. 2001. Contrasting effects of neighboring vegetation on *Ulmus rubra* seedlings in successional grassland. Ecological society of America, Annual Meeting, Madison, WI.

Reynolds, H. and **B. L. Foster**. 2000. N source diversity promotes plant community diversity under N-limiting conditions. Ecological society of America, Annual Meeting, Snowbird, UT.

Schrag, A. M., V. H. Smith, **B. L. Foster** and V. L. Peterson. 2000. Effects of soil nutrient depletion and enrichment on plant biodiversity and restoration in Kansas grassland. Ecological society of America, Annual Meeting, Snowbird, UT.

Foster, B. L. and D. Tilman. 1999. Dispersal limits species diversity and productivity in successional grassland. Ecological society of America, Annual Meeting, Spokane, WA.

Foster, B. L. and K. L. Gross. 1996. An experimental study of the effects of plant litter and nitrogen enrichment on plant species diversity in successional grassland. Ecological society of America, Annual Meeting, Providence, RI.

Foster, B. L. and K. L. Gross. 1996. Woody plant recruitment dynamics over the first seven years of old-field succession at the KBS LTER. KBS LTER All-Scientists Meeting, Hickory Corners, MI.

Foster, B. L. and K. L. Gross. 1995. Exploitative and interference effects of plant neighbors on the performance of *Andropogon gerardi* across an old-field productivity gradient. Ecological Society of America, Annual Meeting, Snowbird, UT.

Foster, B. L. 1993. Studies of woody plant establishment at the W. K. Kellogg Biological Station LTER. LTER All-Scientists Meeting, Estes Park, CO.

Foster, B. L. and K. L. Gross. 1993. Divergent succession in an old-field plant community: the role of site history in community development. Ecological Society of America, Annual Meeting, Madison, WI.

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