

## CURRICULUM VITAE

### Bryan L. Foster

W.K. Kellogg Biological Station  
3700 E. Gull Lake Drive  
Hickory Corners, MI 49060  
785-691-8211, [fosterb2@msu.edu](mailto:fosterb2@msu.edu)



W.K. Kellogg  
Biological Station  
MICHIGAN STATE UNIVERSITY

## EDUCATION

- 1996 Ph.D. Botany and Plant Pathology, Michigan State University.
- 1992 M.S. Zoology, Michigan State University.
- 1989 B.S. Range Science, Texas A&M University.

## PROFESSIONAL APPOINTMENTS

- 2025-present Director, W. K. Kellogg Biological Station, Michigan State University
- 2025-present Professor, Dept. of Plant Biology, Michigan State University
- 2018-2025 Director, University of Kansas Field Station
- 2012-2025 Professor, Dept. of Ecology and Evolutionary Biology, University of Kansas
- 2012-2025 Senior Scientist, Kansas Biological Survey and Center for Ecological Research
- 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
- 1996-1997 Postdoctoral Researcher, Kellogg Biological Station, Michigan State University

## RESEARCH EXPERTISE

Plant Community Ecology, Restoration Ecology

## EXTERNAL FUNDING

### Research:

- 2018-2023. NSF-Dimensions of Biodiversity US-China (\$1,723,126). Collaborative Research: Microbe eco-evolutionary feedbacks as drivers of plant coexistence and diversity gradients. PI: J. Bever; Co-PI: B. Sikes, **B. L. Foster**, P. Schultz, H. Alexander.
- 2017-2023. NSF-LTREB Renewal (\$360,200). Long-term studies of secondary succession and community assembly in the prairie-forest ecotone of eastern Kansas. PI: **B. L. Foster**.
- 2016-2020. NSF-Population and Community Ecology (\$737,495). Collaborative Research: Interactive effects of exogenous and endogenous spatial heterogeneity on plant diversity. PIs: G. Houseman G., **B. L. Foster**, A. Golubski.
- 2016-2017. NSF-Population and Community Ecology (\$19,404). Assessing multi-scale drivers of pollinator assembly and plant-pollinator network architecture in the context of prairie restoration. **B. L. Foster**, K. Denning, M. Mort. DDIG for K. Denning's research.
- 2010-2016. NSF-Population and Community Ecology (\$580,362). Plant recruitment, coexistence and community assembly in developing prairie restorations. PI: **B. L. Foster**.
- 2010-2016. 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 (\$7,000). 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.
- 2004-2009. 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 and 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**.

#### **Research infrastructure, KU Field Station:**

- 2022-2024. SUPPLEMENT to: NSF FSML (\$114,274). Enhancing research support infrastructure at the University of Kansas Field Station. PI: **B. L. Foster**; Co-PIs: J. D. Bever, A. J. Burgin, B. A. Sikes, T. D. Harris.
- 2020-2024. NSF FSML (\$541,882). Enhancing research support infrastructure at the University of Kansas Field Station. PI: **B. L. Foster**; Co-PIs: J. D. Bever, A. J. Burgin, B. A. Sikes, T. D. Harris.
- 2013-2016. NSF FSML (\$346,714). Enhancements to Internet and communication systems at the KU Field Station. PI: **B. L. Foster**; Co-PIs: S. A. Billings, D. Hirmas, W. D. Kettle and V. H. Smith.
- 2011-2014. NSF FSML (\$329,890). Facilities to enhance research and teaching at the University of Kansas Field Station. PI: S. A. Billings; Co-PIs: **B. L. Foster** and W. D. Kettle.
- 2004-2007. NSF FSML (\$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 and W. D. Kettle.

#### **INTERNAL FUNDING (KU)**

- 2018-2019 KU General Research Fund Award (GRF \$10,000). PI: **B. L. Foster**
- 2013 KU Research Investment Council – Strategic Initiative Grant (\$38,196). Building Data Infrastructure, Network Capacity, and Research Engagement at the KU Field Station. PIs: Kettle, W. D., J. M. Delisle, H. M. Alexander, S. A. Billings, **B. L. Foster**, D. R. Hirmas.
- 2012-2013 KU General Research Fund Award (GRF \$12,610). PI: **B. L. Foster**
- 2006-2007. KU General Research Fund Award (GRF \$10,000). PI: **B. L. Foster**
- 2003-2004. KU General Research Fund Award (GRF \$10,000). PI: **B. L. Foster**
- 2002-2003. KU General Research Fund Award (GRF \$3,500). PI: **B. L. Foster**
- 2000-2001. KU New Faculty GRF Award (KU NFGRF - \$9,561). PI: **B. L. Foster**

## PEER-REVIEWED PUBLICATIONS

- Podzikowski, L. Y., Burrill, H. M., Wang, G., Mecke, K. L., Hawkins, J. H., Wagner, M. R., Foster, B. L., Schulz, P. A., Bever, J. D. 2025. Pathogen dilution, resource partitioning, and precipitation generate productivity benefits from plant diversity. *Proceedings of the National Academy of Sciences*. 122; <https://doi.org/10.1073/pnas.2518980122>.
- Bishop, G.A., Kleijn, D., Albrecht, M., Bartomeus, I., Isaacs, R., Kremen, C., Magrach, A., Ponisio, L. C., Potts, S. G., Scheper, J., Smith, H. G., Tscharrntke, T., Albrecht, J., Åström, J., Badenhauer, I., Báldi, A., Basu, P., Berggren, A., Beyer, N., Blüthgen, N., Bommarco, R., Brosi, B. J., Cohen, H., Cole, L. J., Denning, K. R., Devoto, M., Ekroos, J., Fornoff, F., **Foster, B. L.**, Gillespie, M. A. K., Gonzalez-Andujar, J. L., González-Varo, J. P., Goulson, D., Grass, I., Hass, A. L., Herrera, J. M., Holzschuh, A., Hopfenmüller, S., Izquierdo, J., Jauker, B., Kallioniemi, E. P., Kirsch, F., Klein, A., Kovács-Hostyánszki, A., Krauss, J., Krimmer, E., Kunin, W. E., Laha, S., Lindström, S. A. M., Mandelik, Y., Marcacci, G., McCracken, D. I., Monasterolo, M., Morandin, L. A., Morrison, J., Stojnic, S. M., Ollerton, J., Persson, A. S., Phillips, B. B., Piko, J. I., Power, E. I., Quinlan, G. M., Rundlöf, M., Raderschill, C. A., Riggi, L. G. A., Roberts, S. P. M., Roth, T., Senapathi, D., Stanley, D. A., Steffan-Dewenter, I., Stout, J. C., Sutter, L., Tanis, M. F., Tarrant, S., van Kolfschoten, L., Vanbergen, A. J., Vilà, M., von Königslöw, V., Vujic, A., Wallis DeVries, M. F., Wen, A., Westphal, C., Wickens, J. B., V. J., Wilkinson, N. I., Wood, T. J., Fijen, T. P. M. (2025). Critical habitat thresholds for effective pollinator conservation in agricultural landscapes. *Science* 389: 1314-1319. <https://www.science.org/doi/10.1126/science.adr2146>.
- Kjaer, E. L., Houseman, G. R., Luu, K. N., **Foster, B. L.**, Laanisto, L., Golubski, A.J. 2024. Spatial Pattern of seed arrival has a greater effect on plant diversity than does soil heterogeneity in a grassland ecosystem. *Plant and Soil*: 502:557–572; <https://doi.org/10.1007/s11104-024-06565-2>.
- Betson, N., **B. L. Foster**. 2023. Seasonal shifts in diversity and composition of a tallgrass prairie restoration has implications for sampling time. *Ecological Restoration* 41: 16-24.
- Avolio, M. L., Komatsu, K. J., Koerner, S. E., Grman, E., Isbell, F., Johnson, D. S., Wilcox, K. R., Alatalo, J. M., Baldwin, A. H., Beierkuhnlein, C., Britton, A. J., **Foster, B. L.**, Harmens, H., Kern, C. C., Li, W., McLaren, J. R., Reich, P. B., Souza, L., Yu, Q., Zhang, Y. (2022). Making sense of multivariate community responses in global change experiments. *Ecosphere* 13; <https://doi.org/10.1002/ecs2.4249>.
- Guangzhou, W., Koziol, L., **B. L. Foster**, J. D. Bever. (2022). Microbial mediators of plant community response to long-term N and P fertilization: Evidence of a role of plant responsiveness to mycorrhizal fungi. *Global Change Biology* 28; <https://doi.org/10.1111/gcb.16091>.
- Avolio, M. L., Komatsu, K. J., Collins, S. L., Grman, E., Koerner, S. E., Tredennick, A.T., Wilcox, K.R., Baer, S., Boughton, E. H., Britton, A. J., **Foster, B.**, Gough, L., Hovenden, M., Isbell, F., Jentsch, A., Johnson, D. S., Knapp, A. K., Kreyling, J., Langley, J. A., Lortie, C., McCulley, R. L., McLaren, J. R., Reich, P. B., Seabloom, E. W., Smith, M. D., Suding, K. N., Suttle, K. B., Tognetti, P. M. (2021) Determinants of community compositional change are equally affected by global change. *Ecology Letters* 24: 1892-1904.
- Reichenborn, M. M., Houseman, G. R., and **Foster, B. L.** (2020). Plant community recovery following *Sericea lespedeza* (*Lespedeza cuneata*) removal: testing for a soil legacy effect. *Restoration ecology* 28; <https://doi.org/10.1111/rec.13185>.
- Komatsu, K. J., Avolio, M. L., Lemoine, N. P., Isbell, F., Grman, E., Houseman, G. R., Koerner, S. E., Johnson, D. S., Wilcox, K. R., Alatalo, J. M., Anderson, J. P., Aerts, R., Baer, S. G., Baldwin, A. H., Bates, J., Beierkuhnlein, C., Belote, R. T., Blair, J., Bloor, J. M. G., Bohlen, P. J., Bork, E. W., Boughton, E. H., Bowman, W. D., Britton, A. J., Cahill, J. F., Chaneton, E., Chiariello, N. R., Cheng, J., Collins, S. L., Cornelissen, J. H. C., Du, G., Eskelinen, A., Firn, J., **Foster, B.**, Gough, L., Gross, K., Hallett, L. M., Han, X., Harmens, H., Hovenden, M. J., Jagerbrand, A.,

- Jentsch, A., Kern, C., Klanderud, K., Knapp, A. K., Kreyling, J., Li, W., Luo, Y., McCulley, R. L., McLaren, J. R., Megonigal, J. P., Morgan, J. W., Onipchenko, V., Pennings, S. C., Prevéy, J. S., Price, J. N., Reich, P. B., Robinson, C. H., Russell, F. L., Sala, O. E., Seabloom, E. W., Smith, M. D., Soudzilovskaia, N. A., Souza, L., Suding, K., Suttle, K. B., Svejcar, T., Tilman, D., Tognetti, P., Turkington, R., White, S., Xu, Z., Yahdjian, L., Yu, Q., Zhang, P. and Zhang, Y. (2019) Global change effects on plant communities are magnified by time and the number of global change factors imposed. *Proceedings of the National Academy of Sciences*, 116: 17867-17873; <https://doi.org/10.1073/pnas.1819027116>.
- Langley, J. A., S. K. Chapman, M. Avolio, W. D. Bowman, D. S. Johnson, K. J. La Pierre, F. Isbell, K. R. Wilcox, **B. L. Foster**, M. J. Hovenden, A. K. Knapp, S. Koerner, C. Lortie, J. P. Megonigal, P. Newton, P. B. Reich, M. D. Smith, B. Suttle and D. Tilman. 2018. Ambient changes exceed treatment effects on plant species abundance in global change experiments. *Global Change Biology* 24: 5668-5679.
- Denning, K. R. and **B. L. Foster**. 2018. Taxon-specific associations of tallgrass prairie flower visitors with site-scale forb communities and landscape composition and configuration. *Biological Conservation* 227: 74-81.
- Denning, K. R. and **B. L. Foster**. 2018. Flower visitor communities are similar on remnant and reconstructed tallgrass prairies despite forb community differences. *Restoration Ecology* 26: 751-759.
- Jaksetic, J., **B. L. Foster**, J. D. Bever, J. Schwaning and H. M. Alexander 2018. Sowing density effects and patterns of colonization in a prairie restoration. *Restoration Ecology* 26: 245-254.
- Collins, C. C. Banks-Leite, Cristina, L. Brudvig, **B. Foster**, W. Cook, E. Damschen, A. Andrade, M. Austin, J. Camargo, D. Driscoll, R. Holt, Robert; W. Laurance, N. Nicholls, J. Orrock. 2017. Fragmentation affects plant community composition over time. *Ecography* 40:119-130.
- Murphy, C. A., **B. L. Foster** and C. Gao. 2016. Temporal dynamics in rhizosphere bacterial communities of three perennial grassland species. *Agronomy* 2016, 6; doi:10.3390/agronomy6010017.
- Foster, B. L.**, G. R. Houseman, D. R. Hall and S.E. Hinman. 2015. Does tallgrass prairie restoration enhance the invasion resistance of post-agricultural lands? *Biological Invasions* 17: 3579-3590.
- Fraser, L. H; J. Pither, A. Jentsch, M. Sternberg, M. Zobel, D. Askarizadeh, S. Bartha, C. Beierkuhnlein, J. Bennett, A. Bittel, B. Boldgiv, I. Boldrini, E. Bork, L. Brown, M. Cabido, J. F. Cahill, C. N. Carlyle, G. Campetella, S. Chelli, O. Cohen, A. M. Csergo, S. Díaz, L. Enrico, D. Ensing, A. Fidelis, J. D. Fridley, **B. L. Foster**, H. Garris, J. Goheen, H. A. Henry, M. Hohn, M. H. Jouri, J. Klironomos, K. Koorem, R. Lawrence-Lodge, R. Long, P. Manning, R. Mitchell, M. Moora, S. Müller, C. Nabinger, K. Naseri, G. Overbeck, T. Palmer, S. Parsons, M. Pesek, V. Pillar, R. Pringle, K. Roccaforte, A. Schmidt, Z. H. Shang, R. Stahlmann, G. Stotz, S. Sugiyama, S. Szentes, D. Thompson, R. Tungalag, S. Undrakhbold, M. van Rooyen, C. Wellstein, J. B. Wilson, T. Zupo: Worldwide evidence of a unimodal relationship between productivity and plant species richness. 2015. *Science* 349:302-305.
- Haddad, N. M., L. A. Brudvig, J. Clobert, K. F. Davies, A. Gonzalez, R. D. Holt, T. E. Lovejoy, J. O. Sexton, M. P. Austin, C. D. Collins, W. M. Cook, E. I. Damschen, R. M. Ewers, **B. L. Foster**, C. N. Jenkins, A. J. King, W. F. Laurance, D. J. Levey, C. R. Margules, B. A. Melbourne, A. O. Nicholls, J. L. Orrock, D. X. Song, and J. R. Townshend. 2015. Habitat fragmentation and its lasting impact on Earth's ecosystems. *Science Advances* 1; <https://doi.org/10.1126/sciadv.1500052>.
- Long, Q., **B. L. Foster** and K. Kindscher. 2014. Seed and microsite limitations mediate stochastic recruitment in a low-diversity prairie restoration. *Plant Ecology* 215:1287-1298.
- Murphy, C. A. and **B. L. Foster**. 2014. Soil properties and spatial processes influence bacterial metacommunities within a grassland restoration experiment. *Restoration Ecology* 22:685-691.
- Houseman, G. R., B. L. Foster and C. E. Brassil. 2014. Propagule pressure-invasibility relationships:

- testing the influence of soil fertility and disturbance with *Lespedeza cuneata*. **Oecologia** 174:511-520.
- 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** 5:487-493. 2012.
- Alexander, H. M., **B. L. Foster**, F. Ballantyne IV, C. D. Collins, J. Antonovics and R. D. Holt. 2012. Metapopulations and metacommunities: combining spatial and temporal perspectives in plant ecology. *Journal of Ecology*, 100<sup>th</sup> Anniversary Edition. 100:88-103
- Dickson, T. L. and **B. L. Foster** 2011. Fertilization decreases plant biodiversity even when light is not limiting. **Ecology Letters** 14:380-388.
- Questad, E. J., **B. L. Foster**, S. Jog, K. Kindscher and H. Loring. 2011. Evaluating patterns of biodiversity in managed grasslands with spatial turnover metrics. **Biological Conservation** 144:1050-1058.
- 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.
- 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.
- 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.
- Collins, C. D. and **B. L. Foster**. 2009. Community-level consequences of mycorrhizae depend on Phosphorus availability. **Ecology** 90:2567-2576.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Questad, E. J. and **B. L. Foster**. 2007. Vole disturbances and plant diversity in a grassland metacommunity. **Oecologia** 153: 341-351.
- 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.
- 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.
- Jog, S, K. Kindscher, E. Questad, **B. L. Foster** and H. Loring. 2006. Floristic Quality as an Indicator of Native Species Diversity in Managed Grasslands. *Natural Areas Journal* 26:149-167
- 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.
- 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.
- 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.
- Foster, B. L.**, and T. L. Dickson. 2004. Grassland diversity and productivity: the interplay of resource availability and propagule pools. *Ecology* 85:1541-1547.
- 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.
- 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.
- 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.
- 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.
- 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.
- Foster, B. L.** 2002. Competition, facilitation and the distribution of *Schizachyrium scoparium* along a topographic-productivity gradient. *Ecoscience* 9:355-363.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Foster, B. L.** 1999. Establishment, competition, and the distribution of native grasses among Michigan old-fields. *Journal of Ecology* 87:476-489.
- 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.
- 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 MEETINGS/SYMPOSIA

Bever, J. D. Bever, L. Podzikowski, H. Burrill, G. Wang, J. Hawkins, **B. L. Foster**, P. A. Schultz (2024) Plant trait diversity drives terrestrial productivity and ecosystem function: Pathogen dilution and resource partitioning jointly generate positive productivity gains with plant biodiversity. Botanical Society of America, Annual Meeting, Grand Rapids, Michigan

Betson, N. **Foster, B. L.** (2023). Effects of forb seeding density on community structure and development across 8 years of a tallgrass prairie restoration. Ecological Society of America, Annual Meeting, Portland.

**Foster, B. L.**, N. Betson (2022). Plant community divergence, then convergence in response to chronic nitrogen and phosphorus enrichment over 20 years of grassland succession. Ecological Society of America, Annual Meeting, Montreal.

Bethel, A. M., E. L. Kjaer, G. R. Houseman, **B. L. Foster**, L. Laanisto, A. Golubski (2022). Spatial patterns of seed arrival and soil heterogeneity alter plant community assembly in a tallgrass prairie (2022). . Ecological Society of America, Annual Meeting, Montreal.

Betson, N., **B. L. Foster** (2022). Initial vs long-term effects of intraspecific spatial aggregation on community structure of a tallgrass prairie restoration. Ecological Society of America, Annual Meeting, Montreal.

Podzikowski, L.Y. G. Wang, H. M. Burrill H.M., **B. L. Foster**, K. Mecke, P. A. Schultz, J. D. Bever (2022). Predicting alterations to diversity-productivity relationships across changing climates: complementarity increases with precipitation. Ecological Society of America, Annual Meeting, Montreal.

**Foster, B. L.** J. Forsythe and N, Betson (2021). Scale-dependent interactive effects of long-term nutrient enrichment, haying disturbance, and seed pool manipulation on grassland diversity. Ecological Society of America, Annual Meeting. Virtual

Betson, N., **B.L. Foster** (2021). Effects of forb seeding density on tallgrass prairie restoration over 7 years of community development. Ecological Society of America, Annual Meeting. Virtual

Kjaer E., G. Houseman, **B. L. Foster**, L. Laanisto and A. Golubski. 2021. Experimental effects of soil heterogeneity and aggregated seed arrival on plant community assembly. Ecological Society of America, Annual Meeting. Virtual

Podzikowski L. Y., **B. L. Foster**, K. Mecke and J. D. Bever. 2021 Interactions between plant community composition and precipitation alter diversity effects on plant productivity. Ecological Society of America, Annual Meeting. Virtual

Betson, N., **B. L. Foster**. 2020. Initial effects of spatially aggregated seeding on coexistence in a Kansas tallgrass prairie restoration. Ecological Society of America (virtual conference due to COVID-19).

Podzikowski, L., **B. L. Foster**, J. D. Bever and K. Mecke. 2020. Evidence resource partitioning in part explains biodiversity effects on plant productivity. Ecological Society of America (virtual conference due to COVID-19).

**Foster, B.L.**, J. Forsythe. 2019. Scale-dependency in the effects of long-term fertilization, haying and

- seed supplementation on grassland community structure. Annual Meeting, International Association of Vegetation Scientists. Bremen, Germany
- Parson, S. M. A., **B. L. Foster** and W. D Kettle. 2019. The University of Kansas Field Station (KUFS): a platform for research in a dynamic ecosystem. Annual conference, Organization of Biological Field Stations, Brussels Belgium.
- Podzikowski, L. K. Mecke, **B.L. Foster**, and J. Bever. 2019. Species richness and phylogenetic diversity as predictors of productivity across a diversity manipulation experiment. Fall meeting of the American Geophysical Union, San Francisco California
- Foster, B. L.** and K. R. Denning 2017. Nutrient availability and seed limitation modulate grassland secondary succession and plant diversity in eastern Kansas, USA. Meetings of the British Ecological Society, Ecology without Borders. Ghent, Belgium.
- Denning, K. R. and **B. L. Foster** 2017. Butterflies and bees respond to site-scale floral resources and landscape-scale land use, but not land use history, in Kansas (USA) tallgrass prairies. Meetings of the British Ecological Society, Ecology without Borders. Ghent, Belgium.
- Reichenborn, M. M., G. R. Houseman and **B. L. Foster**. 2016. Recovery of a prairie plant community following sericea lespedeza (*Lespedeza cuneata*) removal: Testing for a soil legacy effect. Annual Meeting of the Ecological Society of America, Fort Lauderdale, Florida.
- Foster, B. L.**, G.R. Houseman, D.R. Hall, S.E. Hinman and M.M. Reichenborn. 2015. Does tall-grass prairie restoration enhance the invasion resistance of post-agricultural lands? SER World Conference on restoration, Manchester UK.
- Hall, D. and B.L. Foster. 2015. Initial endogenous spatial structure alters establishment and community composition of native tallgrass prairie restoration. World Conference on Ecological Restoration. Manchester UK.
- Denning, K. and **B. L. Foster**. 2015. Assessing the effects of tallgrass prairie habitat restoration on pollinator communities in Kansas, USA. World Conference on Ecological Restoration. Manchester UK.
- Sikes, B., O. Lynch, **B. L. Foster** K. and Roccaforte. 2015. Tri-Trophic Mutualistic Networks in a Tallgrass Prairie. International Conference on Mycorrhizas 8, Flagstaff, AZ, USA. (International).
- Bittel, A. T., **B. L. Foster** and Houseman, G. R. 2014. Functional trait analysis indicates deterministic Assembly in experimental tallgrass prairies. 99th Annual Meeting of the Ecological Society of America, Sacramento, California. Contributed oral presentation.
- Hall, D. and **B. L. Foster**. 2014. Initial endogenous spatial structure alters plant establishment and community composition of tallgrass prairie restorations" 99<sup>th</sup> annual Ecological Society of America Conference. Sacramento, California.
- Foster, B. L.** 2013. Grassland plant diversity as modulated by species pools, soil fertility and community assembly history. Annual Symposium of the International Association of Vegetation Science. Tartu, Estonia.
- Holt, R. D, C. D. Collins, **B. L. Foster** and W. M. Cook. 2013. Reflections on the Kansas long-term habitat fragmentation experiment: >30+ years, and counting. Symposium at the Annual Meeting of the Ecological Society of America, Minneapolis Minnesota.
- Bittel, A. T. **B. L. Foster** and G. R. Houseman. 2013. Influence of stochastic and deterministic community assembly on beta-diversity in a long-term grassland experiment. Annual Meeting of the Ecological Society of America, Minneapolis Minnesota.
- Hall, D. R., **B. L. Foster**, G. R. Houseman, C. C. Freeman and J. M. Delisle. 2013. Past agricultural activity and current vegetation cover are consistent predictors of invasion and spread of *Sericea lespedeza* at local and landscape scales. Annual Meeting of the Ecological Society of America, Minneapolis Minnesota.
- Roccaforte, K., **B. L. Foster**, A. T. Bittel and G. R. Houseman. 2013. Interactive effects of soil fertility and initial community states on small-scale plant species richness. Annual Meeting of the Ecological Society of America, Minneapolis Minnesota.
- 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.
- Foster, B. L.** 2012. Long-term Studies of Secondary Succession, Grassland Community Assembly and Prairie Restoration. Symposium: Tallgrass Prairie Restoration in the 21st Century, Morton Arboretum, Lisle Illinois.
- 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. 2<sup>nd</sup> 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. 6<sup>th</sup> 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. 5<sup>th</sup> 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. 5<sup>th</sup> 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 and 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 multirate, 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.

## INVITED SEMINARS

2017: Michigan State University, Kellogg Biological Station  
2015: Wichita State University  
2013: Michigan State University, Kellogg Biological Station  
2012: Morton Arboretum  
2010: Kansas State University  
2009: Tyson Research Center (Wash. U); Iowa State University; USDA Forest Service-Savannah River  
2008: University of Missouri; Wichita State University  
2007: University of Tartu, Estonia  
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; Evolutionists Group, Lawrence Kansas  
1999: University of Kansas; University of Alberta; Cal State University; Eastern Illinois University  
1997: University of Minnesota; Penn State University; University of Michigan; University of North Dakota  
1996: University of Missouri-St. Louis; University of Pittsburgh

### **COURSES TAUGHT**

Principles of Ecology (BIOL 414)  
Field and Laboratory Methods in Ecology (BIOL 415)  
Restoration Ecology (BIOL 418)  
Plant Ecology (BIOL 602)  
Field and Laboratory Exercises in Plant Ecology (BIOL 607)  
Community and Ecosystems Ecology (BIOL 714)  
Biodiversity and Ecosystem Function (BIOL 701 graduate seminar)  
Species Coexistence and Community Organization (BIOL 701 graduate seminar)  
Ecological Applications (BIOL 701 graduate seminar)  
Restoration Ecology (BIOL 701 graduate seminar)  
Community Assembly (BIOL 701 graduate seminar)  
Graduate Ecology (BIOL 801)  
Community Ecology (BIOL 985, graduate seminar)

### **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, *Oecologia* (2009-2019)  
Associate Editor, *Journal of Vegetation Science* (2009-2016)  
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, Global Change Biology, 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, Nature, Oecologia, Oikos, Plant Biology, Plant Ecology, PlosOne, PNAS, Restoration Ecology, Science, Urban Ecosystems, many others.

**Domestic grant proposal reviews:**

NSF, USDA

**Grant proposal panels, review committees:**

NSF, Ecological Studies Panel (spring 2007); NSF, Population and Community Ecology Panel (fall 2006, spring 2008, fall 2010; spring 2013 (pre-proposal), fall 2015); NSF, IGERT Panel (fall 2012); NSF LTER PANEL (fall 2016); NSF LTER Program Decadal Review Committee (summer 2020-2021).

**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  
Proposal Review for Organisation for Scientific Research (Netherlands)  
ANR, Nationale de la Recherche  
Several others

**University service:**

Sabbatical Leave Committee (member); Honors Program Committee (Division of Biological Sciences (Chair); Honors Program Committee (member), 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), KU Mini-College; KU Biology Curriculum Committee (member); KBS Director Search Committee (Chair); Monarch Watch Directorship/Professorship search Committee (Chair). Associate Vice Chancellor of Research Search Committee (Chair). KU Office of Research: Safe & Inclusive Fieldwork Task Force (member).

**Departmental service:**

EEB Faculty Annual Review Committee, EEB Curriculum Committee (member); Committee to Publicize the Scholarly Productivity of EEB (member), EEB Strategic Planning Committee (member); EEB Graduate Program Committee (Chair); EEB Graduate Program (member); EEB Graduate Admissions Committee (member); EEB Colloquium Committee (Chair and Coordinator); EEB Long-range Planning Committee (member). EEB Seminar Committee (Chair); EEB Seminar Committee (member); Proposal Reviewer - EEB General Research Fund; EEB Large-Scale Ecologist Search Committee (member); EEB/KBS Microbial Ecologist Search Committee (Chair); EEB/KBS Aquatic Ecologist Search Committee (Chair); EEB Ichthyologist Search Committee (member); EEB Promotion and Tenure Committee (chair); EEB Promotion and Tenure Committee (member). EEB third-year review committee (Chair); KBS third-year review committee (Chair); KBS Summer Research Awards Committee (Chair). Plant Ecophysiology Search Committee (Member), numerous ad-hoc committees.

**LAB PARTICIPANTS****Post-doctoral researchers:**

Todd Aschenbach (2005-2007), currently Professor at Grand Valley State University

Greg Houseman (2006-2008), Professor at Wichita State University  
Suneeti Jog (2004-2006), currently Associate Research Scientist, Illinois Natural History Survey

**Lab technicians:**

Alex Bittel (2012); Sara Hinman (2008-2011); Sheena Parsons (2011-2016)

**Former graduate students:**

Todd Aschenbach (Ph.D.), Professor, Grand Valley State University  
Naomi Betson (Ph.D.), NRCS  
Alex Bittel (M.A.), High School teacher, Lawrence, Kansas  
Lisa Castle (Ph.D., Co-advised), Assistant Professor, Southwestern Oklahoma State University  
Cathy Collins (Ph.D.), Professor, Bard College  
Kathy Denning (Ph.D.), Advisor, PREP Program, U. Kansas  
Timothy Dickson (Ph.D.), Assistant Professor, University of Nebraska, Omaha  
Jeremy Forsythe (M.A.), PhD student at Clemson University  
Alexandra Fraser (Ph.D., Co-advised), Senior Biologist URS Corporation  
David Hall (Ph.D.) High School teacher, Baldwin, Kansas  
Irene Khavin, (M.A., Co-advised), Laboratory Technician, University of Pennsylvania  
Quinn Long (Ph.D., Co-advised), Researcher, Missouri Botanical Gardens  
Cheryl Murphy (M.A. Ph.D.), Ph.D. Lecturer, University of Tennessee Chattanooga  
Mari Pesek (M.A.), Deceased  
Erin Questad (Ph.D.) Professor, Cal Poly Pomona

**Graduate students assistants:** over 70, 1990 - present