

CURRICULUM VITAE

DEAN E. PEARSON (email: dean.pearson@usda.gov)

EDUCATION:

University of Montana	Organismal Biology and Ecology	Ph.D. May 2005
University of Montana	Organismal Biology and Ecology	M.A.S. May 1995
University of Montana	Wildlife Biology	B.S. March 1992

EMPLOYMENT/PROFESSIONAL HISTORY:

Research Ecologist, USDA Forest Service, Rocky Mountain Research Station, June 2005 to present.

Deputy Program Manager, Wildlife and Terrestrial Ecosystems, RMRS, USDA FS, Oct 2010 to July 2016.

Adjunct Faculty, University of Montana, Missoula, MT, April 2012 to present.

Faculty Affiliate, University of Montana, Missoula, MT, September 2005 to April 2012.

Wildlife Biologist, USDA Forest Service, Rocky Mountain Research Station, September 1995 to June 2005.

Research Assistant, University of Montana, September 1994 to September 1995.

Private Contractor, USDA Forest Service, Rocky Mountain Research Station, 1995.

Biological Technician, Glacier National Park, 1991 to 1994.

Teaching Assistant, University of Montana, 1991 to 1993.

Biological Technician, Conservation Biology Project, UCLA, stationed in Baja Mexico, Sept. to Dec. 1990.

GIS Technician, Glacier National Park, June to September 1990.

Biological Technician, Wolf Ecology Project, University of Montana, 1988 to 1989.

PUBLICATIONS

Luis, A. and D.E. Pearson. 2026. Examining landscape-scale disease processes through the lens of community assembly theory. *Ecology Letters* <https://doi.org/10.1111/ele.70374>

MacDougall, A. et al. 2026. The global extent of the grassland biome and implications for the terrestrial carbon sink. *Nature Ecology and Evolution* 10, February 2026, 246–257.

Larkin, B.G., Ramsey, P.W. and D.E. Pearson. 2026. Standing on an invasion front: predicting potential impacts of praying mantids using fuzzy interaction webs. *Biological Invasions* 28:10 <https://doi.org/10.1007/s10530-025-03724-z>

Li, X., D.E. Pearson, Y.K. Ortega, Jiang, L. Wang, S., Gao, Q., Wang, D., Hautier, Y. and Z. Zhong. 2025. Nitrogen inputs suppress plant diversity by overriding consumer control *Nature Communications* 16:5855

Pearson, D.E., A. DePuy, and M. Kuhlman. 2025. Inspiring citizens and municipalities to initiate pollinator conservation: the Pollinator Matrix modeling tool. *Urban Ecosystems* 28:91 <https://doi.org/10.1007/s11252-025-01703-9>

Slate, M.L., Sporbert, M., Hensen, I., Hierro, J., Korell, L.M., Larios, L., Nagy, D.U., Pearson, D., Waller, L., Wolf, F., and C. Rosche. 2025. Regeneration phenology-trait relationships of native and non-native seedlings from six different grasslands across the globe. *Functional Ecology* DOI: 10.1111/1365-2435.70003

- Gorczynski, D. T.J. Clark-Wolf, J. Brodie, D. Pearson. 2025. Grizzly bear rewilding alters community interactions as conditioned by global change. *Biological Conservation* <https://doi.org/10.1016/j.biocon.2025.111455>
- Slate, M.L., Hahn, P.G. Ortega, Y.K., Mancillas, M. Rosche, C., and D.E. Pearson. 2025. Plant regeneration trait syndromes, trade-offs, and linkages to adult abundance for native and exotic grassland plants. *Ecology and Evolution* 15:e72143
- Pearson, D.E., Y.K. Ortega, and Y. Lekberg. 2024. Invaders break assembly rules to beat the natives: how cheatgrass cheats. *NeoBiota* 96:299-324
- Pearson, D.E. 2024. Biological invasions: an overview. Pgs. 1-11, *Encyclopedia of Biodiversity*, 3rd Edition, Elsevier. doi:10.1016/B978-0-12-822562-2.00037-2
- Li, T., Z. Zhong, D.E. Pearson, Y.K. Ortega, W. Li, A. Risch, D. Wang. 2023. Parasites as ecosystem modulators: foliar pathogens suppress top-down effects of large herbivores. *New Phytologist* 239:340-349.
- Pearson, D.E., Y.K. Ortega, Ö. Eren, D. Villareal, Y. Lekberg, and J.L. Hierro. 2023. Exotic success following disturbance explained by weak native resilience and ruderal exotic bias. *Journal of Ecology* – 111:2412-2423
- Pearson, D.E., and T.J. Clark-Wolf. 2023. Predicting ecological outcomes using fuzzy interaction webs. *Ecology* 104, e4072
- Tuthill, J.E., Ortega, Y.K., and D.E. Pearson. 2023. Seed size, seed dispersal traits, and plant dispersion patterns for native and introduced grassland plants. *Plants* 12 (5):1032.
- Hierro, J.L., W.A. Muiño, A. Farji-Brener, M.C. Cock, D.E. Pearson. 2023. Species introduction shifts trait function from mutualism to antagonism: elaiosomes in a myrmecochory cold spot. *Oikos* e09770
- Slate, M.L. Durham, R.A., Casper, C., Mummey, D., Ramsey, P., Pearson, D.E. 2022. No evidence for herbicide or surfactant effects on biological soil crusts. *Restoration Ecology*, doi: 10.1111/rec.13802
- Clark-Wolf, T.J., P.G. Hahn, E. Brelsford, N. Hayes, J. Francois, B. Larkin, P. Ramsey, and D. E. Pearson. 2022. Preventing a series of unfortunate events: using qualitative models to improve conservation. *Journal of Applied Ecology* 59:2322–2332.
- Pearson, D.E., Y. Lekberg, Ö. Eren, Y.K. Ortega, N. K. Boote, B. Karakuş, L. Bullington and J.L. Hierro. 2022. Combining biogeographic approaches to advance invasion ecology and methodology. *Journal of Ecology* 110:2033-2045.
- Litt, A. and D.E. Pearson. 2022. A functional ecology framework for understanding and predicting animal responses to plant invasion. *Biological Invasions* 1-13. doi.org/10.1007/s10530-022-02813-7
- Pearson, D.E., Y.K. Ortega, H. Cimino, D. Mummey, P. Ramsey. 2022. Does grassland restoration restore small mammal community structure and function? *Restoration Ecology* 30(1):1-9.
- Pearson, D.E., T.J. Clark, P. Hahn. 2022. Evaluating unintended consequences of intentional species introductions and eradications for improved conservation management. *Conservation Biology* 36(1), e13734.
- Dylewski, L., Ortega, Y.K., Bogdziewicz, M., Pearson, D.E. 2021. Seed predator effects on plants: moving beyond time-corrected proxies. *Ecology Letters* 24:1526-1529.
- Zhong, Z., X. Li, D. Sanders, Y. Liu, L. Wang, Y.K. Ortega, D.E. Pearson, D. Wang. 2021. Soil engineering by ants facilitates plant compensation for large herbivore removal of aboveground biomass. *Ecology* 102:1-11 doi/10.1002/ecy.3312

- Sanderlin, J.S., J.D. Golding, T. Wilcox, D.H. Mason, K.S. McKelvey, D.E. Pearson, and M.K. Schwartz. 2021. Occupancy modeling and resampling overcomes low test sensitivity to produce accurate SARS-CoV-2 prevalence estimates. *BMC Public Health* 21 577 (2021). <https://doi.org/10.1186/s12889-021-10609-y>
- Jang, W., Crotteau, J.S., Ortega, Y.K., Hood, S.M., Keyes, Pearson, D.E., C. R., Lutes, D.C., Sala, A. 2021. Native and non-native understory vegetation responses to restoration treatments in a dry conifer forest over 23 years. *Forest Ecology and Management* 481: 118684
- Mayfield, Albert E., III; Seybold, Steven J.; Haag, Wendell R.; Johnson, M. Tracy; Kerns, Becky K.; Kilgo, John C.; Larkin, Daniel J.; Lucardi, Rima D.; Moltzan, Bruce D.; Pearson, Dean E.; Rothlisberger, John D.; Schardt, Jeffrey D.; Schwartz, Michael K.; Young, Michael K. 2021. Impacts of Invasive Species in Terrestrial and Aquatic Systems in the United States. 2021. In: Poland, Therese M.; Patel-Weynand, Toral; Finch, Deborah M.; Ford Miniati, Chelcy; Hayes, Deborah C.; Lopez, Vanessa M., eds. *Invasive Species in Forests and Rangelands of the United States: A Comprehensive Science Synthesis for the United States Forest Sector*. Heidelberg, Germany: Springer International Publishing: 5 - 40. Chapter 2. https://doi.org/10.1007/978-3-030-45367-1_2.
- Poland, Therese M.; Juzwik, Jennifer; Rowley, Allen; Huebner, Cynthia D.; Kilgo, John C.; Lopez, Vanessa M.; Olson, Deanna H.; Pearson, Dean E.; Progar, Robert; Rabaglia, Robert; Rothlisberger, John D.; Runyon, Justin B; Sing, Sharlene E. 2021. Management of Landscapes for Established Invasive Species. 2021. In: Poland, Therese M.; Patel-Weynand, Toral; Finch, Deborah M.; Ford Miniati, Chelcy; Hayes, Deborah C.; Lopez, Vanessa M., eds. *Invasive Species in Forests and Rangelands of the United States: A Comprehensive Science Synthesis for the United States Forest Sector*. Heidelberg, Germany: Springer International Publishing: 133 - 184. Chapter 7. https://doi.org/10.1007/978-3-030-45367-1_7.
- Liebold, Andrew M.; Campbell, Faith T.; Gordon, Doria R.; Guo, Qinfeng; Havill, Nathan; Kinder, Bradley; MacKenzie, Richard; Lance, David R.; Pearson, Dean E.; Sing, Sharlene E.; Warziniack, Travis; Venette, Robert C.; Yemshanov, Denys. 2021. The Role of International Cooperation in Invasive Species Research. 2021. In: Poland, Therese M.; Patel-Weynand, Toral; Finch, Deborah M.; Ford Miniati, Chelcy; Hayes, Deborah C.; Lopez, Vanessa M., eds. *Invasive Species in Forests and Rangelands of the United States: A Comprehensive Science Synthesis for the United States Forest Sector*. Heidelberg, Germany: Springer International Publishing: 293 - 304. Chapter 13. https://doi.org/10.1007/978-3-030-45367-1_13.
- Koch, Jennifer; Pearson, Dean E.; Huebner, Cynthia D.; Young, Michael K.; Snieszko, Richard A. 2021. Restoration of Landscapes and Habitats Affected by Established Invasive Species. 2021. In: Poland, Therese M.; Patel-Weynand, Toral; Finch, Deborah M.; Ford Miniati, Chelcy; Hayes, Deborah C.; Lopez, Vanessa M., eds. *Invasive Species in Forests and Rangelands of the United States: A Comprehensive Science Synthesis for the United States Forest Sector*. Heidelberg, Germany: Springer International Publishing: 185 - 202. Chapter 8. https://doi.org/10.1007/978-3-030-45367-1_8.
- Maron, J.L., Hahn, P.G., Hajek, K.L., and D.E. Pearson. 2021. Trade-offs between seed size and biotic interactions contribute to coexistence of co-occurring species that vary in fecundity. *Journal of Ecology* 109:626-638.
- Gaskin, John F., Erin Espeland, Casey D. Johnson, Diane L. Larson, Jane M. Mangold, Rachel A. McGee, Chuck Milner et al. 2020. "Managing invasive plants on Great Plains grasslands: A discussion of current challenges." *Rangeland Ecology & Management* 78: 235-249.

- Pearson, D.E. 2020. Is there a breach in the barrier protecting humans from cervid Chronic Wasting Disease? *mBio* 11:e01971-20.
- Dylewski, L., Ortega, Y.K., Bogdziewics, M., and D. E. Pearson. 2020. Seed size predicts global effects of small mammal seed predation on plant recruitment. *Ecology Letters* 23:1024-1033.
- Slate, M.L., R.M. Durham, D.E. Pearson. 2020. Strategies for restoring the form and function of lichen-moss biocrust communities. *Restoration Ecology* 28:S160-S167.
- Taylor, J.B., K.L. Cass, D.N. Armond, M.D. Madsen, D.E. Pearson, S.B. St. Clair. 2020. Deterring rodent seed-predation using seed-coating technologies. *Restoration Ecology* 28:927-936.
- Dylewski, L., L. Myczko, D. E. Pearson. 2019. Native generalist consumers may both inhibit and facilitate the invasive wild cucumber (*Echinocystis lobata*). *NeoBiota* 53: 25-39.
- Ortega, Y. K., Vallient, M. T., and D. E. Pearson. 2019. To list or not to list: using time since invasion to refine impact assessment for an exotic plant proposed as noxious. *Ecosphere* 10(11):e02961.
- Maron, J. L., Hajek, K. L., Hahn, P. G., & Pearson, D. E. 2019. Seedling recruitment correlates with seed input across seed sizes: implications for coexistence. *Ecology*, 100(12), e02848.
- Slate, M. L., R. M. Callaway, and D. E. Pearson. 2019. Life in interstitial space: biocrusts resist exotic but not native plant establishment. *Journal of Ecology* 107:1317-1327.
- Pearson, D.E., Valliant, M., Carlson, C., Thelen, G.C., Ortega, Y.K., J.L. Orrock, and Madsen, M.D. 2019. Spicing up restoration: can chili peppers improve reseeding success by reducing seed predation? *Restoration Ecology* 27:254-260.
- Pearson, D.E., Y.K. Ortega, Ö. Eren, and J.L. Hierro. 2018. Community assembly theory as a conceptual framework for invasions. *Trends in Ecology and Evolution* 33:313-325.
- Pearson, D.E., Y.K. Ortega, D. Villarreal, Y. Lekberg, M. C. Cock, Ö. Eren, and J.L. Hierro. 2018. The fluctuating resource hypothesis explains invasibility but not exotic advantage. *Ecology* 99:1296-1305.
- Pearson, D.E., Y.K. Ortega, J. Runyon, J. L. Butler. 2018. Secondary invasion re-redefined: the distinction between invader-facilitated and invader-contingent invasions as subclasses of secondary invasion. *Ecology and Evolution* doi: 10.1002/ece3.3966.
- Maron, J.L. K. Hajek, P. Hahn, and D.E. Pearson. 2018. Rodent seed predators and a dominant grass competitor affect coexistence of co-occurring forb species that vary in seed size. *Journal of Ecology* 106:1795-1805.
- Pearson, D.E., Eren, Ö., Ortega, Y.K., Villareal, D., Şentürk, M., Miguel, M. F., Weinzettel, C. M., Prina, A. and Hierro, J.L. 2017. Are exotic plants more abundant in the introduced versus native range? *Journal of Ecology* 106:727-736.
- Zhong, Z., Xiaofei, L., D. E. Pearson, W. Deli, D. Sanders, Y. Zhu, and L. Wang. 2017. Ecosystem engineering strengthens bottom-up and weakens top-down effects via trait-mediated indirect interactions. *Proceedings of the Royal Society B*, 284:1-9, doi.org/10.1098/rspb.2017.0894
- Larios, L., D.E. Pearson, and J.L. Maron. 2017. Incorporating the effects of generalist seed predators into plant community theory. *Functional Ecology*, doi: 10.1111/1365-2435.12905
- Pearson, D.E., Y.K. Ortega, and J.L. Maron. 2017. The tortoise and the hare: reducing resource availability shifts competitive balance between plant species. *Journal of Ecology* 105, 999-1009.

- Loehman, R.A., B.B. Bentz, G.A. DeNitto, R.E. Keane, M.E. Manning, J.P. Duncan, J.M. Egan, M.B. Jackson, S. Kegley, I.B. Lockman, D.E. Pearson, J. Powell, S. Shelly, B.E. Steed, and P.J. Zambino. 2017. Effects of Climate Change on Ecological Disturbance in the Northern Rockies. In J.E. Halofsky, D.L. Peterson (eds.), *Climate Change and Rocky Mountain Ecosystems*, *Advances in Global Change Research* 63, DOI 10.1007/978-3-319-56928-4_7
- Pearson, D.E., Y.K. Ortega, J. Runyon, and J. Butler. 2016. Secondary invasion: the bane of weed management. *Biological Conservation* 197:8-17.
- Rudgers, J.A., B. Fletcher, E. Olivas, C.A. Young, N.D. Charlton, D.E. Pearson, and J.L. Maron. 2016. Exclusion of ungulates reduces fungal symbiont frequency within host plants in native grasslands. *Oecologia* 181:1151-1161.
- Pearson, D.E., Y.K. Ortega, O. Eren, J.L. Hierro. 2016. Quantifying “apparent” impact and distinguishing impact from invasiveness in multispecies plant invasions. *Ecological Applications* 26:162-173.
- Maron, J.L., Smith, A., Pearson, D.E., Ortega, Y.K., and R.M. Callaway. 2016. Negative plant-soil feedbacks increase with plant abundance, and are unchanged by competition. *Ecology* 97:2055-2063.
- Smith, J.N., Emlen, D.J., and Pearson, D.E. 2016. Community reassembly: web spider community restructuring following simulated plant invasion. *PLoS One* 11(4): e0153661. doi:10.1371/journal.pone.0153661
- Pinto, S.M., D. E. Pearson, J.L. Maron. 2014. Seed dispersal is more limiting to grassland diversity than competition or seed predation. *Journal of Ecology* 102:1258-1265.
- Pearson, D.E., Icasatti, N., J.L. Hierro, and B. Bird. 2014. Are local filters blind to provenance? Ant seed predation suppresses exotic plants more than natives. *PLoS ONE* 9(8): e103824. doi:10.1371/journal.pone.0103824
- Connolly, B., Pearson, D. E., and Mack, R. N. 2014. Granivory of invasive, naturalized, and native plants in communities differentially susceptible to invasion. *Ecology* 95: 1759-1769.
- Ortega, YK, Greenwood, L., Callaway, R.M. and Pearson, D.E. 2014. Differential response of congeneric consumers to an exotic food resource: who gets the novel resource prize? *Biological Invasions* 16:1757-1767.
- Maron, J.L., Auge, H., Korell, L., D. E. Pearson, Hensen, I., Suding, K.N., and C. Stein. 2014. Staged invasions across disparate grasslands: effects of seed provenance, consumers, and disturbance on productivity and species richness. *Ecology Letters* 17:499-507.
- Pearson, DE, J.L. Hierro, M. Chiuffo and D. Villarreal. 2014. Rodent seed predation as a biotic filter influencing exotic plant abundance and distribution. *Biological Invasions* 16: 1185-1196.
- Litt, A., and D. E. Pearson. 2013. Nonnative plants and wildlife in the Intermountain West. *Wildlife Society Bulletin* 37:517-526.
- Pearson, D.E., T. Potter, and J.M Maron. 2012. Biotic resistance: exclusion of native rodent consumers releases populations of a weak invader. *Journal of Ecology* 100:1383-1390.
- Maron, J.L., D. E. Pearson, T. Potter, and Y. K. Ortega. 2012. Seed size and provenance mediate the joint effects of disturbance and seed predation on community assembly. *Journal of Ecology* 100:1492-1500.

- Ortega, YK, Pearson, DE, Waller, LP, Sturdevant, NJ., Maron, JM. 2012. Population-level compensation impedes biological control of an invasive forb and indirect release of a native grass. *Ecology* 93:783-792.
- Pearson, D. E., Y. K. Ortega, and S. Sears. 2012. Darwin's naturalization hypothesis up-close: intermountain grassland invaders differ morphologically and phenologically from native community dominants. *Biological Invasions* 14:901-913.
- Zwolak, R., D. E. Pearson, Y. K. Ortega, E. E. Crone. 2012. Mechanisms driving post-fire increase of a generalist mammal. *Canadian Journal of Zoology* 90:51-60.
- Pearson, D.E., R.M. Callaway, J.L. Maron. 2011. Biotic resistance via granivory: establishment by invasive, naturalized and native asters reflects generalist preference. *Ecology* 92:1748-1757.
- Maron, J. L., and D. E. Pearson. 2011. Vertebrate predators have minimal cascading effects on plant production or seed predation in an intact grassland ecosystem. *Ecology Letters* 14:661-669.
- Pearson, D. E., M. Kim, and J. Butler. 2011. Rocky Mountain Research Station invasive species visionary white paper. Gen. Tech. Rep. RMRS-GTR-265. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 38 p.
- Ortega Y.K., and D.E. Pearson. 2011. Long-term effects of weed control with picloram along a gradient of spotted knapweed invasion. *Rangeland Ecology and Management* 64: 67-77.
- Pearson, D. E. 2010. Trait- and density- mediated indirect interactions initiated by an exotic plant autogenic ecosystem engineer. *The American Naturalist* 176:394-403.
- Maron, J. L., D. E. Pearson, and R. Fletcher, Jr. 2010. Counter-intuitive effects of large-scale predator removal on a mid-latitude rodent community. *Ecology* 91: 3719-3728.
- Ortega Y.K., and D.E. Pearson. 2010. Effects of picloram application on community dominants vary with initial levels of spotted knapweed (*Centaurea stoebe*) invasion. *Invasive Plant Science and Management* 3:70-80.
- Zwolak, R., D.E. Pearson, Y.K. Ortega, E.E. Crone. 2010. Fire and mice: seed predation moderates fire's influence on conifer recruitment. *Ecology* 91:1124-1131.
- Maron, J.L., D. E. Pearson, S. M. Hovick, W. P. Carson. 2010. Funding needed for assessments of weed biological control. *Frontiers in Ecology and the Environment* 8:122-123.
- Bricker, M., D. E. Pearson and J. L. Maron. 2010. Small mammal seed predation reduces forb recruitment and abundance in semi-arid grasslands. *Ecology* 91:85-92.
- Finch, D. M., Pearson, D. E, Wunderle, J. and Arendt, W. 2010. Terrestrial animals in the invasive species strategy plan. Pages 43-54 In (Eds) Dix, M.E.; Britton, K., comps. 2010. A dynamic invasive species research vision: Opportunities and priorities, 2009-2029. Gen. Tech. Rep. WO-79. Washington, DC: U.S. Department of Agriculture, Forest Service.
- Pearson, D. E. 2009. Invasive plant architecture alters trophic interactions by changing predator abundance and behavior. *Oecologia* 159:549-558.
- Pearson, D. E. 2009. Biological invasions on oceanic islands: implications for island ecosystems and avifauna. Pages 3-14 in Proceedings of the 3rd International Symposium on Migratory Birds. Seabirds in Danger: Invasive Species and Conservation of Island Ecosystems. Keynote Address, 25 September 2009, Mokpo, Korea.

- Crone, E.E., M. Marler, D.E. Pearson. 2009. Non-target effects of broadleaf herbicide on a native perennial forb: a demographic framework for assessing and minimizing impacts. *Journal of Applied Ecology* 46:673-682.
- Pearson, D. E. and Y. K. Ortega. 2009. Managing invasive plants in natural areas: moving beyond weed control, pp 1-21, in (ed.) R.V. Kingley, *Weeds: Management, Economic Impacts and Biology*. Nova Publishers, NY
- Pearson, D. E. and R. M. Callaway. 2008. Weed biocontrol insects reduce native plant recruitment through second-order apparent competition. *Ecological Applications* 18:1489-1500.
- Pearson, D. E. and R. J. Fletcher, Jr. 2008. Mitigating exotic impacts: restoring native deer mouse populations elevated by an exotic food subsidy. *Ecological Applications* 18 (2):321-334.
- Sturdevant, N., Kegley, S., Ortega, Y., and D. Pearson. 2006. Evaluation of establishment of *Cyphocleonus achates* and its potential impact on spotted knapweed. *USDA FS FHP General Technical Report 06-08:1-9*.
- Shick, K. R., D. E. Pearson, and L. F. Ruggiero. 2006. Forest habitat associations of the golden-mantled ground squirrel: implications for fuels management. *Northwest Science* 80:133-139.
- Pearson, D. E. and R. M. Callaway. 2006. Biological control agents elevate hantavirus by subsidizing mice. *Ecology Letters* 9:443-450.
- Pearson, D. E., and R. M. Callaway. 2005. Indirect nontarget effects of host-specific biological control agents: implications for biological control. *Biological Control* 35:288-298.
- Ortega, Y. K., and D. E. Pearson. 2005. Strong versus weak invaders of natural plant communities: assessing invasibility and impact. *Ecological Applications* 15:651-661.
- Pearson, D.E. 2005. Biological control is more than just natural enemies. Review of Natural Enemies: an Introduction to Biological Control. *Trends in Ecology and Evolution* 20: 10-11.
- Pearson, D. E. and R. M. Callaway. 2004. Response to Thomas et al.: biocontrol and indirect effects. *Trends in Ecology and Evolution* 19:62-63.
- Ortega, Y. K., D. E. Pearson, and K. S. McKelvey. 2004. Effects of biological control agents and exotic plant invasion on deer mouse populations. *Ecological Applications* 14:241-253.
- Pearson, D. E. and R. M. Callaway. 2003. Indirect effects of host-specific biological control agents. *Trends in Ecology and Evolution* 18(9):456-461.
- Pearson, D. E., Y., K. Ortega, and L. F. Ruggiero. 2003. Trap-induced mass declines in small mammals and the implications for body mass as a negatively biased index. *Journal of Wildlife Management* 67(4):684-691.
- Pearson, D. E., and L. F. Ruggiero. 2003. Transect versus grid trapping arrangements for sampling small mammal communities. *Wildlife Society Bulletin* 31(2): 454-459.
- McKelvey, K. S., and D. E. Pearson. 2001. Population estimation with sparse data: the role of indices versus estimators revisited. *Canadian Journal of Zoology* 79(10):1754-1765.
- Ortega, Y. K., and D. E. Pearson. 2001. Occurrences of the western skink (*Eumeces skiltonianus*) in grasslands of western Montana. *Northwestern Naturalist* 82:125-125.
- Pearson, D. E., and Y. K. Ortega. 2001. An indirect dispersal pathway for spotted knapweed seeds via deer mice and great-horned owls. *Canadian Field-Naturalist* 115(2):354.

- Pearson, D. E., Y. K. Ortega, K. S. McKelvey, and L. F. Ruggiero. 2001. Small mammal communities and habitat selection in Northern Rocky Mountain bunchgrass: implications for exotic plant invasions. *Northwest Science* 75(2):107-117.
- Pearson, D. E., and L. F. Ruggiero. 2001. Test of a prey-base hypothesis for American marten use of red squirrel middens. *Canadian Journal of Zoology* 79(8):1372-1379.
- Pearson, D. E. 2000. Evidence of red-squirrel fall breeding in western Montana. *Canadian Field-Naturalist* 114(4):703-704.
- Pearson, D. E., K. S. McKelvey, and L. F. Ruggiero. 2000. Non-target effects of an introduced biological control agent on deer mouse ecology. *Oecologia* 122(1):121-128.
- Buskirk, S. W., L. F. Ruggiero, K. B. Aubry, D. E. Pearson, J. Squires, and K. S. McKelvey. 1999. Comparative ecology of lynx in North America. Pp. 397-417 In L.F. Ruggiero, K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J.R. Squires (eds.) *Ecology and conservation of lynx in the United States*. University Press of Colorado, Colorado, USA.
- Pearson, D. E. 1999. Deer mouse predation on the biological control agent, *Urophora* spp., introduced to control spotted knapweed. *Northwestern Naturalist* 80(1): 26-29.
- Pearson, D. E. 1999. Small mammals of the Bitterroot National Forest: a literature review and annotated bibliography. USDA Forest Service, General Technical Report RMRS-GTR-25.
- Foresman, K. R., and D. E. Pearson. 1999. Activity patterns of American martens, fishers, snowshoe hares, and red squirrels in westcentral Montana. *Canadian Field-Naturalist* 113(3):1-4.
- Foresman, K. R., and D. E. Pearson. 1998. Comparison of proposed survey procedures for detection of forest carnivores. *Journal of Wildlife Management* 62(3):1217-1226.
- Ruggiero, L. F., D. E. Pearson, S. E. Henry. 1998. Characteristics of American marten den sites in Wyoming. *Journal of Wildlife Management* 62(2):663-673.

AWARDS

Distinguished Scientist Award, USDA Forest Service, Rocky Mountain Research Station, June 1, 2022

Best Scientific Publication Award, USDA Forest Service, Rocky Mountain Research Station, Sept 29, 2021, for the publication: Pearson, D.E., Y.K. Ortega, Ö. Eren, and J.L. Hierro. 2018. Community assembly theory as a conceptual framework for invasions. *Trends in Ecology and Evolution* 33:313-325.

Best Scientific Publication Award, USDA Forest Service, Rocky Mountain Research Station, Oct 2019, for the publication: Pearson, D.E., Y.K. Ortega, J. Runyon, and J. Butler. 2016. Secondary invasion: the bane of weed management. *Biological Conservation* 197:8-17.

Visionary Science Publication Award, USDA Forest Service, Rocky Mountain Research Station, January 2013, for the publication: Pearson, D. E. and R. M. Callaway. 2003. Indirect effects of host-specific biological control agents. *Trends in Ecology and Evolution* 18(9):456-461.

National Forest System Invasive Species Program Award for Landscape Restoration and Rehabilitation Against Invasive Species, March 2012, *Dr. Dean Pearson, Rocky Mountain Research Station*, in recognition of his high level of leadership and expertise on invasion

biology and invasive species management, linking management concepts to long-term landscape restoration and rehabilitation.

National Academy of Sciences, Kavli Fellow Recipient, 5 November 2010.

PECASE (Presidential Early Career Award for Science and Engineering). July 2009.

"Selection for this award is based on the combination of innovative research at the frontiers of science and technology and community service demonstrated through scientific leadership and community outreach."

Deputy Chief's Early Career Scientist Award. Received 25 March 2009 in Washington D.C.

This honor was awarded in recognition of significant contributions to the fields of biological control, invasive species ecology, and wildlife biology.

Best Scientific Publication Award, USDA Forest Service, Rocky Mountain Research Station, Feb 2009, for the publication: Ortega, Y.K and D. E. Pearson. 2005. Strong versus weak invaders of natural plant communities: distinguishing invasibility from impact. *Ecological Applications* 15:651-661.

Best Scientific Publication Award, USDA Forest Service, Rocky Mountain Research Station, October 2007, for the publication: Pearson, D. E. and R. M. Callaway. 2006. Biological control agents elevate hantavirus by subsidizing mice. *Ecology Letters* 9:442-449.

Merit Award, USDA Forest Service, Rocky Mountain Research Station, October 2007, for leaderships of the Invasive Species /Disease Research Team in the Wildlife and Terrestrial Ecosystems Program.

Merit Award, USDA Forest Service, Rocky Mountain Research Station, August 2007, for role as team leader on the Invasive Species Ecology and Community Dynamics Team and for contributions toward changing paradigms in the field of biological control.

Merit Award, USDA Forest Service, Rocky Mountain Research Station, March 2006, "for your role on the RMRS Invasives Meeting Team in planning and conducting a workshop to share information, identify needs, and complete a white paper."

Early Career Scientist Publication Award, USDA Forest Service, Rocky Mountain Research Station, March 2005, for the publication: Ortega, Y. K., D. E. Pearson, and K. S. McKelvey. 2004. Effects of introduced biological control agents and exotic plant invasion on native deer mouse populations. *Ecological Applications* 14:241-253.

Early Career Scientist Publication Award, USDA Forest Service, Rocky Mountain Research Station, March 2001, for the publication: Pearson, D. E., K. S. McKelvey, and L. F. Ruggiero. 2000. Non-target effects of an introduced biological control agent on deer mouse ecology. *Oecologia* 122(1):121-128.

STUDENT MENTORING (completion dates given unless ongoing)

Dan Gorczynski, University of Montana, Post Doc, Co-Advisor

Leah Rensel, University of Montana, Wildlife Biology, PhD – Committee Member

Ryan Schroeder, University of Montana, Systems, PhD – Committee Member

Eric Lyons, University of Montana, Ecology and Evolution, PhD – Committee Member

Mandy Slate, NSF Post Doc 2022, Co-Advisor

Jane Umbriaco, University of Montana, Ecology and Evolution, Senior Thesis 2022, Chair

Sarah Twoteeth, University of Montana, Wildlife Biology, MS 2021 – Committee Member

Andreas Eleftheriou, University of Montana, Wildlife Biology, PhD 2021 - Committee Member
Mandy Slate, MPG Ranch Post Doc 2020 - Advisor
Mandy Slate, University of Montana, Ecology and Evolution, PhD 2018 - Committee Member
Jacob Lucero, University of Montana, Ecology and Evolution, PhD 2017 - Committee Member
Lukasz Dylewski, International Fellowship Poland-RMRS, 2020 - Advisor
Justin Taylor, Brigham Young University, MS 2019 – Committee Member
Ryan Hegstad, University of Montana, Ecology and Evolution, PhD 2018 – Committee Member
Danielle Fagre, University of Montana, Wildlife Biology, MS 2018 - Committee Member
Jack Schooley, University of Montana, Ecology and Evolution, Senior Thesis 2017 – Chair
Alexis Gibson, University of Montana, Forestry and Conservation, PhD 2015 – Committee Member
Jason Hanlon, University of Montana, Forestry and Conservation, Senior Thesis, 2015 – CoChair
Jennifer Smith, University of Montana, Ecology and Evolution, PhD 2014 - CoChair
Brian Connolly, Washington State University, PhD 2014 – Committee Member
Milan Vinks, University of Montana, Wildlife Biology, Senior Thesis 2012 – Chair
Nadia Icasatti, Universidad National de La Pampa, Argentina, Senior Thesis 2012 – CoChair
Sarah Pinto, University of Montana, Ecology and Evolution, PhD 2012 – Committee Member
Dan Atwater, University of Montana, Ecology and Evolution, PhD 2011, Committee Member
Leigh Greenwood, University of Montana, Ecology and Evolution, MS 2011, Outside Advisor
Rafal Zwolak, University of Montana, Wildlife Biology, PhD 2009, Outside advisor
Samantha Sears, University of Montana, Wildlife Biology, Senior Thesis 2007, Chair
Aubree Benson, University of Montana, Wildlife Biology, Senior Thesis 2006 Committee Member
Dianna Fairchild, University of Montana, Ecology and Evolution, Senior Thesis, 2004 – Chair

GRANTS

MPG Ranch. \$147,000. Pearson, D.E., T.J. Clark., V. Dixit, A. DePuy, K. Dent, B. Larkin. 2023. MPG Food Web. Submitted November 2022. Awarded March 2023.

MPG Ranch \$131,822. Pearson, D.E, H Cimino, Y.K. Ortega, P. Ramsey. 2023. Small mammal monitoring and ecology at MPG Ranch. Proposal to. Submitted 21 November 2022. Awarded March 2023.

MPG Ranch \$136,000. Pearson, D.E., T.J. Clark., V. Dixit, A. DePuy, K. Dent, B. Larkin. 2021. MPG Matrix 2.0: Beta testing the MPG Matrix and developing the Educational Matrix. Proposal to MPG Ranch for \$136,000. Awarded January 2022-December 2022.

MPG Ranch. 126,755. Pearson, D.E. 2021. Small mammal monitoring and ecology at MPG Ranch. Proposal to MPG Ranch for \$126,755. Awarded January 2022-December 2022.

MPG Ranch. \$30,000. 2021. Developing the MPG Food Web: the MPG Grassland Base Matrix. Pearson, D.E. Awarded to RMRS, January 2021-December 2021.

MPG Ranch. 110,510. 2021. Pearson, D.E. Small mammal monitoring and ecology at MPG Ranch. Awarded to University of Montana Foundation, January 2021-December 2021.

Montana Noxious Weed Trust Fund. 2020. \$29,940. Quantifying and ranking invasive weed impacts for prioritizing weed management along the Missouri River. Pearson, D.E., and Y.K. Ortega. Funded 1 April 2020-30 October 2022.

- MPG Ranch. 2020. \$30,000. Developing the MPG Food Web: the MPG Grassland Base Matrix. D.E.Pearson. Proposal to MPG Ranch, November 2019. Awarded to RMRS, January 2021-December 2021.
- MPG Ranch. 2020. \$110,510. Small mammal monitoring and ecology at MPG Ranch. D.E. Pearson. Proposal to MPG Ranch, November 2019. Awarded to University of Montana Foundation, January 2021-December 2021.
- NSF Post Doctoral funding. 2020. 140,000.00. Slate, M. Can community assembly theory explain community assembly and reassembly in dryland ecosystems? Post-doctoral support proposal to NSF. Funded 1/2020 - 12/2021. Sponsoring scientists, N. Barger, University of Colorado, and D.E. Pearson, USDA FS.
- MPG Ranch. 2019. \$92,783.00. Slate, M.L, Durham, R., Y. Lekberg, D.E. Pearson (PI). Ecological effects of biocrust moss and lichen restoration and importance of biocrusts in restoration ecology. Awarded May 2019-December 2019.
- MPG Ranch. 2019. \$17,950.00. Pearson, D.E. (PI) and P. Ramsey. Small mammal monitoring at MPG Ranch: does native plant restoration also restore small mammal communities and their ecological functions? Awarded to University of Montana Foundation Jan 2019-Dec 2019.
- MGP Ranch. 2019. \$27,500.00 Pearson, D.E. Developing the MPG community interaction web. Awarded to RMRS Jan 2019- Dec 2019.
- Montana Noxious Weed Trust Fund. 2018. \$20,100. D.E. Pearson, Y.K. Ortega. Quantifying and ranking invasive weed impacts in eastern Montana grasslands for prioritizing weed management. Awarded 1 April 2018- 30 October 2019.
- MPG Ranch. 2018. \$86,352.00. Slate, M.L, Durham, R., Y. Lekberg, D.E. Pearson (PI). Ecological effects and practical applications of biocrust moss and lichen restoration on native plant and ecosystem recovery. Awarded May 2018-Aug 2019.
- MPG Ranch. 2018. \$74,690.25. Norcott, K. D.E. Pearson (PI). Monitoring small mammal populations on MPG Ranch. Awarded to University of Montana Foundation Jan 2018-Dec 2019.
- MGP Ranch. 2018. \$20,000.00. Pearson, D.E. Developing the MPG community interaction web. Awarded to RMRS Jan 2018- Dec 2019.
- Joint Fire Sciences 2018. \$314,000. St. Clair, S. M. Madsen, B. Roundy, R. Gill, and D.E. Pearson. Post-fire recovery of Great Basin sagebrush habitat using seed coating technology and herbicides to overcome abiotic and biotic limitations to native plant establishment. Awarded 1 April 2018 – 30 September 2020.
- Montana Noxious Weed Trust Fund. 2017. \$20,563. D.E. Pearson. Quantifying and ranking invasive weed impacts in eastern Montana grasslands for prioritizing weed management. 1 April 2017- 30 October 2018. Awarded April 2017.
- USDA FS Region 1 RIM Board. 2016. \$20,000. Shelly, S., D.E. Pearson, L. Hoang, Jensen, H. and M. Manning. Evaluation of NRM Rangeland Vegetation and TESP-IS databases for Invasive Species Management. Submitted to the Award April 2016 to April 2017
- NSF DEB-1553518. 2015. \$539,728. Maron, J.L. and D.E. Pearson. Seed size variation and coexistence: testing a novel hypothesis. Awarded 1 April 2015 – 1 April 2018.

- Montana Noxious Weed Trust Fund 2015. \$21,600. Pearson, D.E., Y.K. Ortega, and M.G. Valliant. Informing the noxious weed listing process: quantifying threats of new plant invaders. Proposal to the Submitted 1 December
- Montana Noxious Weed Trust Fund 2015. \$30,231. Pearson, D.E., Y.K. Ortega, and M.G. Valliant. Quantifying and ranking invasive weed impacts in eastern Montana grasslands for prioritizing weed management. Proposal to the Submitted 1 December
- USDA FS RMRS (Rocky Mountain Research Station), Competitive Climate Change Funding. 2015. \$20,000. Ortega, Y.K. and D. E. Pearson. Does climate change reduce spotted knapweed invasiveness via AMF? Awarded 24 April 2015 – April 2016.
- USDA FS RMRS (Rocky Mountain Research Station), Competitive Climate Change Funding. 2015. \$15,000. Pearson, D.E. and Y.K. Ortega. A dual growth chamber for climate change research. RMRS, WTE Competitive Climate Change Funding. Awarded April 2015 for equipment purchase.
- Montana Noxious Weed Trust Fund. 2013. \$20,000.00. Pearson, D.E. and Y.K. Ortega. Quantifying weed impact and ranking risk for better weed management. 4/1/2013-4/1/ 2014. Awarded May 2013.
- USDA FS RMRS (Rocky Mountain Research Station), Competitive Research Initiative. 201. \$127,000. Effects of climate change on the invasiveness and biological control of spotted knapweed. Ortega, Y. K. and D. E. Pearson. 2010. Awarded April 2010.
- NSF, DEB-0915409, \$585,000. Indirect effects of apex predators in a grassland ecosystem. John M. Maron and D. E. Pearson. Awarded September 2009.
- USDA FS, Rocky Mountain Research Station's FY08 Rangeland Research Competitive Proposals. 2008. \$27,900.00. Long-term efficacy of broadleaf herbicide treatments for restoration of weed-invaded rangelands. Pearson, D. E., Y. K. Ortega, R. M. Callaway. 2008. Awarded June 2008.
- USDA FS, Rocky Mountain Research Station Cross-Program Award, \$60,000. 2007. Native seed mixes for improving invasives management and reducing new invasions following fuels treatments. D. Pearson, R. Callaway, S. Sutherland, M. Harrington, and J. Butler. Awarded July 2007.
- USDA FS, Rocky Mountain Research Station Cross-Program Award, \$63,000. 2007. Prediction, detection, and monitoring of invasive species in forests, rangeland, and aquatic ecosystems: A synthesis of RMRS research for marketing, education, and outreach. J. Butler, M. Kim, D. Pearson, S. Sutherland, D. Finch, M. Young, G. Markin, N. Klopfenstein, A. Hudak, B. Richardson, P. Zambino. Awarded July 2007.
- USDA FS, Native Plant Materials Project. 2007. \$50,893. Using weed-resistant native seed mixes to restore burned areas: a collaboration between Forest Service Research, University of Montana, and Native Yards. S. Sutherland, R. Callaway, and D. Pearson. Awarded March 2007.
- USDA, NRI - National Research Initiative and Integrated Programs in Ecological Systems. 2005. CSREES-2005-35101-16040, \$300,000.00. Assessing indirect effects of top predators on diversity, productivity, and health of grassland ecosystems. J. Maron and D. E. Pearson. Awarded August 2005
- USDI-USDA Joint Fire Sciences Program. 2003. \$162,000. Evaluating effects of fuels treatments on native flora and fauna: restoration in weed-invaded landscapes of the Northern Rocky Mountains. Y. K. Ortega, D. E. Pearson, and D. L. Six. Awarded June 2003.

- NSF, DEB-0236061, 2002. \$294,267. Nontarget effects of host-specific biocontrols: direct and indirect effects of biocontrols that subsidize native consumers. R. M. Callaway and D. E. Pearson. Awarded December 2002.
- USDI National Park Service, Inventory and Monitoring Award. 2002. \$27,000. Small mammal surveys of Little Bighorn National Monument and Grant-Kohrs Ranch National Historic Site. D. E. Pearson and L. F. Ruggiero. Awarded April 2002.
- NSF SGER-010889. 2001. \$22,000. Do Gall Fly-induced Increases in Deer Mouse Populations increase the Prevalence of Hantavirus? R. M. Callaway and D. E. Pearson. Awarded May 2001.

SELECTED PRESENTATIONS

- Pearson, DE, TJ Clark, P Hahn. Conservation in the Anthropocene: can community ecology help avoid unintended outcomes and improve conservation success? 2021. GeneConvene Global Collaborative Webinars - Controlling Gene Drives, Foundation for the National Institutes of Health. 13 October 2021.
- Pearson, D.E. Y.K. Ortega, J. Runyon, J, Butler. 2019. Secondary invasion: the bane of weed management – identifying and overcoming the gap. *Invited presentation*. Society for Ecological Restoration 8th World Conference, Cape Town, South Africa. September 24-28, 2019.
- Pearson, D.E. 2019. Scaling up restoration: from plots to landscapes. *Invited presentation*. Center of Excellence for Invasion Biology, Workshop: Scaling-up restoration: the mountain top that keeps eluding us. Stellenbosch University, Stellenbosch, South Africa.
- Pearson, D. E. 2019. Biological invasions. *Invited presentation*. Presentation to STEM Institute, Problem Based Learning Workshop. The Public House, Missoula MT July 22, 2019.
- Pearson, D. E. 2018. Community assembly theory as a framework for invasion ecology. Brigham Young University, Provo, Utah. 4 April 2018.
- Pearson, D. E., and Ortega, Y. K. 2017. The ecology and management of invasive plants: what are we trying to accomplish? **Keynote Address**. Washington State Weed Association Weed Conference 2017, Wenatchee Conference Center, Wenatchee, Washington. 1-3 November 2017.
- Pearson, D.E. 2015. Who Has the Home Team Advantage? Applying Community Assembly Rules to Understand Invasion – the Seed Predation Filter. Invited Seminar Speaker, Department of Plant and Wildlife Sciences Seminar Series. Brigham Young University, Provo, UT 5 November 2015
- Pearson, D.E. 2015. Applying community ecology to understand invertebrate-wildlife interactions in the context of management. Invited symposium speaker for, Use of Arthropods in wildlife and applied ecology: recognition of our common goals. 2015 Entomological Society of America Meeting, Synergy in Science, Minneapolis, MN November 15-18, 2015
- Pearson, D.E. 2015. Ecology and management of invasive species: What are we trying to do? *Invited Keynote address*, Crown of the Continent Managers Partnership, Annual Meeting,

- “People, Climate and Terrestrial Invasive Species: Taking Collective Action in the Crown of the Continent.” Lethbridge, Alberta, Canada. 17 March 2015.
- Pearson, D.E. and Y.K. Ortega. 2015. Multispecies invasions: evaluating individual invader impacts, invasional meltdown, and management efficacy. *Invited presentation* for special symposium. Beyond invasional meltdown: implications and impacts of co-occurring invasive species and assessing future research needs. 100th Annual Meeting of the Ecological Society of America, Baltimore, MD August 2015.
- Pearson, D.E., Hierro, J. L., Eren, O. Ortega, Y.K., Villarreal, D., and Lekberg, Y. 2014. Biogeography of Plant Invasions. *Invited Presentation* Invasive Species Webinar Series Invasive Plants – Issues, Challenges, and Discoveries. Sponsored by the Grassland, Shrubland, and Desert Ecosystems Science Program, Rocky Mountain Research Station, Broadcast from Missoula MT, April 10, 2014
- Pearson, D.E. and Y. K. Ortega. 2013. Predicting the unpredictable: a heuristic framework for understanding effects of exotics on wildlife. *Invited Presentation* 20th Annual Wildlife Society Meetings, October 9, 2013. Milwaukee, WI
- Pearson, D.E. 2012. Applying indirect effects theory for improved biocontrol safety and efficacy. *Invited Presentation* Symposium on Improving the Safety and Effectiveness of Biological Control Agents of Weeds in the USA, Annual Meeting of the Entomological Society of America. Knoxville, TN, November 14, 2012.
- Pearson, D.E. 2012. Biological invasions as natural experiments: plant invasions as insights to predator-prey interactions. *Invited presentation* Department of Community Ecology Seminar Series, Helmholtz-Centre for Environmental Research, Leipzig, Germany June 14, 2012.
- Pearson, D. E., Y. K. Ortega. 2011. Ecology and management of invasive species. *Invited Presentation*. 64th Annual Meeting of the Western Society of Weed Science. March 7-10 2011, Spokane, WA.
- Pearson, D. E., Y. K. Ortega, J Hierro, O., Eren 2010. Addressing the global threat of biological invasions: a biogeographic and conceptual approach. *Invited Poster Presentation*. Kavli Frontiers in Science Symposium. Nov. 6-7, Irvine CA
- Pearson, D. E. 2009. Nontarget effects of host-specific biological control agents: lessons in applied ecology. *Invited Presentation* Departmental Seminar Series, Washington State University, 19 Oct. 2009, Pullman, WA.
- Pearson, D. E. 2009. Welcome to my parlor said the spider to the fly: exotic plants alter predator-prey interactions and elucidate trait- and density-mediated indirect effects. *Invited Presentation* EcoLunch Seminar Series, Washington State University, 20 Oct. 2009, Pullman, WA.
- Pearson D. E., and Y. K. Ortega. 2009. Ecology and Management of Invasive Species. *Invited Presentation*. Restoring the West Conference 2009 - Peaks to Valleys: Innovative land management for the Great Basin. 27-28 Oct, 2009, Utah State University, Logan, UT.
- Pearson, D. E. 2009. Biological invasions on oceanic islands: implications for island ecosystems and avifauna. *Invited Keynote Address*, Proceedings of the 3rd International Symposium on Migratory Birds. Seabirds in Danger: Invasive Species and Conservation of Island Ecosystems. 25 September 2009, Mokpo, Korea.

- Pearson, D. E. and Y. K. Ortega. 2009. Climate change and exotic weeds: what should we expect? *Invited presentation* for the United States Fish and Wildlife Service Integrated Pest Management and Invasives Species Coordinating Meeting, 16 July 2009, Great Falls MT.
- Pearson, D. E. 2009. Biological invasions and avian species: impacts, implications for native communities and management. *Invited opening presentation* for the Special Symposium - Biological invasions: consequences for native birds in a changing world. 79th Annual Meeting of the Cooper Ornithological Society. April 17 2009, Tucson AZ.
- Pearson, D. E. and Y. K. Ortega. 2008. Ecology and management of invasive species. *Invited presentation*, Montana Weed Control Association, Annual Meeting, January 16th Greatfalls, MT.
- Pearson, D. E. 2007. Indirect nontarget effects of spotted knapweed biological control agents due to food-web interactions. *Invited Presentation* Symposium on Biocontrol of *Centaurea* at the 55th Annual Meeting of the Entomological Society of America, 9-11 Dec. 2007, San Diego, CA.
- Pearson, D. E., R. M. Callaway, Y. K. Ortega. 2006. Ecological challenges of weed management in natural systems. *Invited presentation* for Weeds and their Management: A Problem for Wildlife? Special Symposium at the Montana Chapter of the Wildlife Society 2006 Annual Meeting, Helena, Montana 21-22 February 2006.
- Pearson, D. E. and R. M. Callaway. 2004. Nontarget effects of host-specific biological control agents. *Invited Presentation* 4th International Symposium on Science and Decision Making in the Biological Control of Weeds. Denver, CO, USA.