

Ken A. Aho

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Education

- 8/1999 - 11/2006 *Ph.D., Biological Sciences* (November 2006). Department of Ecology, Montana State University, Bozeman, MT, 59717-3460.
- 8/2006 - 5/2007 *M.S., Biostatistics* (May 2007). Department of Mathematics, Montana State University, Bozeman, MT, 59717-2400.
- 8/1990 - 5/1995 *B.S., Biological Sciences* (June 1995). Department of Biological Sciences, Idaho State University, Pocatello, ID, 83209-8007.

Appointments

- 5/2017 - present *Associate Professor*, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- 8/2011 - 5/2017 *Assistant Professor*, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- 1/2011 - 8/2011 *Visiting Assistant Professor*, Department of Biological Sciences, Idaho State University, Pocatello, ID.
- 8/2007 - 1/2011 *Instructor and Postdoctoral researcher*, Department of Biological Sciences, Idaho State University, Pocatello, ID.

Teaching experience

- 8/2007 - present Department of Biological Sciences, Idaho State Univ., Pocatello, ID. → Introduction to Bayesian Statistics | General Ecology | Biometry Laboratory | Plant Ecology | Multivariate Data Analysis | Introduction to R programming | Graduate Biometry | Senior seminar
- 8/2006 - 5/2007 Department of Mathematics, Montana State Univ., Bozeman, MT. → Elementary Statistics

Other professional experience

- 8/2007 - present *Statistician*, S. M. Stoller/Wastren/Veolia Corporation. Idaho Falls, ID.
- 8/2005 - 5/2007 *Statistician/Plant ecologist*, Montana Department of Environmental Quality, Billings, MT.
- 3/2004 - 9/2006 *Statistician/Plant ecologist*, Reclamation Research Unit, Department of Land Resources and Environmental Sciences. Montana State University, Bozeman, MT.
- 8/1998 - 5/1999 *Research technician*, University of Utah, Salt Lake City, UT.
- 5/1995 - 8/1998 *Research technician*, Idaho State University, Pocatello, ID.

Honors/awards

- First author paper from 2023, [Environmental Modelling and Software. \(167\): 105775](#), recognized for "excellence in research" by the International [Research Awards on Network Science and Graph Analytics](#).
- Secretary elect, Statistics Section of the Ecological Society of America, 2014-2016.
- First author paper from 2014, [Ecology 95\(3\): 631-636](#),
 - Selected as having special significance in its field by the Faculty1000 group, 2014.
 - Cited in authoritative Wikipedia entries for the "[Akaike Information Criterion](#)" (AIC) and "[model selection](#)".
 - > [1100 citations](#)
- Paper in *Mammal Research* 60(1) 21-28 selected as cover/highlight article for Jan 2015 issue.
- Outstanding poster award, Idaho Bioinformatics and Evolutionary Studies (*IBEST*) conference, May 2013.
- Graduate teaching assistant of the year, Department of Cell Biology and Neuroscience, Montana State University, 2003, 2005.
- Nominated for graduate teaching assistant of the year in the Department of Cell Biology and Neuroscience, Montana State University, 2003, 2004, and 2005.

Software

1. **Aho, K.** 2023. *asbio*; A Collection of Statistical Tools for Biologists. R package version 1.9-6. <https://cran.r-project.org/package=asbio>.
2. **Aho, K.** 2023. *plant.ecol*; Computational Tools for Plant Ecology. R package version 0.5-3. <https://github.com/moondog1969/plant.ecol>

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

3. Signorelli, A., **Aho, K.**, Alfons, A., Anderegg, N., Aragon, T., et al. 2023. *DescTools*: Tools for Descriptive Statistics. R package version 0.99.45. <https://cran.r-project.org/package=DescTools>.
4. **Aho, K.**, Ramos, R., Legg, A., Hale, R.L., Bond, C.T. 2023. *streamDAG*: Descriptors and Methods for Stream DAGs. R package version 1.5 <https://cran.r-project.org/package=streamDAG>

Books

1. **Aho, K.** 2014. *Foundational and Applied Statistics for Biologists Using R*. Chapman and Hall/CRC Press, Boca Raton, FL. 618 pgs. ISBN: 9781439873380
2. **Aho, K.** 2018. *Foundational and Applied Statistics for Biologists Using R (Revised edition, 2nd printing)*. Chapman and Hall/CRC Press, Boca Raton, FL. 618 pgs.

Articles in prep

1. Derryberry, D., **Aho, K.**, Peterson, T. *In prep.* A greedy algorithm for model selection in a first course in regression. *Journal of Statistical Education*.

*student author

Articles in review/revision

1. Tetreault, T.*, **Aho, K.**, Grinath, J. B., Legg, A.*, Bell, C.*, Tronstad, L.* *In review* 11/3/2023 Changes in an alpine plant-pollinator network over 40 years. *Ecosphere*.
2. Sharma, H.* , Reinhardt, K., Lohse, K. A. **Aho, K.** *In review* 6/24/2023. Is the ratio of respiration to photosynthesis conservative? Evidence from leaf to ecosystem scales in sagebrush species? *Ecosphere*.
3. Huber, D., Lohse, K., **Aho, K.**, Seyfried, M., Germino, M. *In review* 4/28/2022. Experimental variation in maximum soil depth controls near-surface water, carbon, and nitrogen cycling. *Biogeochemistry*.
4. Roop, S.* , Germino, M., Richardson, B., **Aho, K.** *In review* 12/7/2023. Quantifying variation in physiological measurements of mature big sagebrush (*Artemisia tridentata*) in a common garden. *Ecosphere*.

*student author

Peer-reviewed published articles

1. **Aho, K.**, Derryberry, D., Godsey, S. E., Ramos, R., Warix, S.* , Zipper, S. 2023. Communication distance and Bayesian inference in non-perennial streams. *Water Resources Research*. 59(11) doi: 10.1029/2023WR034513
2. Kerner, P.* , Struhs, E., Mirkouei, A, **Aho, K.**, Lohse, K. A., Dungan, R. S., You, Y. 2023. Microbial responses to biochar soil amendment: A three-level meta-analysis. *Environmental Science and Technology* 57(48): 19838–19848 doi: 10.1021/acs.est.3c04201
3. Hanlon, R.* , Jimenez-Sanchez, C.* , Benson J., **Aho, K.**, Morris, C., Seifried, T., Baloh, P., Grothe H., Schmale, D. 2023. Diversity and ice nucleation activity of *Pseudomonas syringae* in drone water samples from eight lakes in Austria. *PeerJ* doi: 10.7717%2Fpeerj.16390
4. Whiting, J., **Aho, K.**, Doering, B. 2023. How many nights should acoustic detectors be set to estimate cave-exiting behavior of hibernating bats? *Mammal Research* 68: 647–652. doi: 10.1007/s13364-023-00709-y
5. **Aho, K.**, Kriloff, C., Godsey, S. E., Ramos, R. Wheeler, C.* , You, Y., Warix, S., Derryberry, D., Zipper, S., Hale, R. L., Bond, C. T.* , Kuehn, K. A. 2023. Non-perennial stream networks as directed acyclic graphs The R-package streamDAG. *Environmental Modelling and Software*. (167): 105775. doi: 10.1016/j.envsoft.2023.105775
6. Triyasantorn, K., Ubah, D. B., Roan, B., Conlin, M., **Aho, K.**, Awale, P. S.* 2022. The antiepileptic drug and toxic teratogen valproic acid alters microglia in an environmental mouse model of autism. *Toxics* 10(7): 379. doi: 10.3390/toxics10070379

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

7. Moler, E.*, Reinhardt, K., **Aho, K.** 2022. First report of fungal endophyte communities and non-defensive phytochemistry of biocontrol-inoculated whitebark pine seedlings in a restoration planting. *Forests* 13(6) 824. doi: 10.3390/f13060824
8. **Aho, K.**, Parsons, S., Castro, A.J., Lohse, K.A. 2022. Socio-ecological zones in Idaho: Spatial patterns and analytical considerations. *Ecosphere*. doi: 10.1002/ecs2.4242
9. Whiting, J., **Aho, K.**, Doering, B. 2022. Can winter acoustic recordings of cave-exiting bats predict number of individuals in hibernacula? *Ecological Indicators*. doi: 10.1016/j.ecolind.2022.108755
10. Moler, E.*, Zorio, S.*, **Aho, K.** 2022. *Bromus tectorum* responses to intergenerational drought: implications for trait evolvability under climate warming. *Weed Research*. doi: 10.1111/wre.12531
11. Mitchell, C. D., Chaney, R., **Aho, K.**, Bowyer, T. 2022. Population characteristics, morphometry, and growth of harvested wolves (*Canis lupus*) and coyotes (*Canis latrans*) in Alaska. *Arctic* 75(2): 149-290. doi: 10.14430/arctic75123
12. Tetreault, T.*, **Aho, K.** 2021. An updated insect exclosure design for pollination ecology. *Journal of Pollination Ecology* 29, 249-257. doi: 10.26786/1920-7603(2021)651
13. You, Y., **Aho, K.**, Lohse, K. A., Schwabedissen, S. G.*, Ledbetter R. N., Magnusson, T. S. 2021. Biological soil crust bacterial communities and concomitant N-cycling traits vary along climatic and shrub cover gradients within a sagebrush steppe ecosystem. *Frontiers in Microbiology* 12, 1096. doi: 10.3389/fmicb.2021.569791
14. Badger, R.* **Aho, K.**, Serve, K. 2021. Assessing the effects of a synthetic flaxseed lignan (LGM2605) on gut microbiota of mice in an asbestos exposure model. *Microbiology Open*. doi: 10.1002/mbo3.1185
15. Whiting, J., **Aho, K.**, Doering, B. 2021. Long-term patterns of cave-exiting activity of hibernating bats in western North America. *Scientific Reports* 11(1): 1-9. doi: 10.1038/s41598-021-87605-0
16. Sharma H.* Reinhardt, K., Lohse, K. A. **Aho, K.** 2020. Summertime carbon and water fluxes in sagebrush ecosystems spanning rain- to snow-dominated precipitation regimes. *Rangeland Ecology and Management*. 73: 265-275. doi: 10.1016/j.rama.2019.11.002
17. **Aho, K.**, Weber, C. F., Christner, B. C., Vinatzer, B. A., Morris, C. E., Joyce, R.*, Failor, K.*, Werth, J. T., Bayless-Edwards, A. L. H.*, Schmale III, D. G. 2020. Spatiotemporal patterns of microbial composition and diversity in precipitation. *Ecological Monographs*. doi: 10.1002/ecm.1394
18. Huber, D., Lohse, K., Commendador, A., Joy, S., Finney, B., **Aho, K.**, Germino, M. 2019. Vegetation and precipitation shifts interact to alter organic and inorganic carbon storage in cold desert soils. *Ecosphere* 10(3):e02655. doi: 10.1002/ecs2.2655
19. Pacioretti, M. T.*., Martinez, P., Mejia, E. C., Reinhardt, K., Barber, J. R., deGraaff, M-A., Kawahara, A. Y., **Aho, K.** 2019. Experimental exclusion of insectivorous predators results in no responses across multiple trophic levels in a water-limited, sagebrush-steppe ecosystem. *Journal of Arid Environments* 160: 74-81. doi: 10.1016/j.jaridenv.2018.09.011
20. Jimenez-Sanchez, C.*, Hanlon, R.*., **Aho, K.**, Powers, C., Morris, C. E., Schmale III, D. G. 2018. Diversity and ice nucleation activity of microorganisms collected with a Small Unmanned Aircraft System (sUAS) in France and the United States. *Frontiers in Microbiology* 9: 1667. doi: 10.3389/fmicb.2018.01667
21. Derryberry, D., **Aho, K.**, Edwards, J., Peterson, T. 2018. Model selection and regression *t*-statistics. *The American Statistician* 72(4): 379-381. doi: 10.1080/00031305.2018.1459316
22. Moler, E.*, **Aho, K.** 2018. Whitebark pine foliar fungal endophyte communities in the southern Cascade Range, USA: Host mycobiomes and white pine blister rust. *Fungal Ecology* 33: 104-114. doi: 10.1016/j.funeco.2018.02.003

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

23. Schwabedissen, S.*, Lohse, K., Reed, S. C., **Aho, K.**, Magnuson, T. 2017. Nitrogen fixation by rolling biological soil crusts in a cold desert sagebrush steppe. *Biogeochemistry* 134 (1-2): 57-76. doi: 10.1007/s10533-017-0342-9
24. Blay, E. S.*, Schwabedissen, S. G.* , Magnuson, T. S., **Aho, K.**, Sheridan, P. P., Lohse, K. A. 2017. Variation in biological soil crust bacterial abundance and diversity as a function of climate in cold steppe ecosystems in the Intermountain West, USA. *Microbial Ecology* 74(3):691-700. doi: 10.1007/s00248-017-0981-3
25. Hill, R.* , Loxterman, J., **Aho, K.** 2017. Insular biogeography and population genetics of dwarf mistletoe (*Arceuthobium americanum*). *Ecosphere*. 8(5): e01810 doi: 10.1002/ecs2.1810
26. **Aho, K.**, Derryberry, D., Peterson, T. 2017. A graphical framework for model selection criteria and significance tests (refutation, confirmation and ecology). *Methods in Ecology and Evolution*. 8(1): 47–56. doi: 10.1111/2041-210X.12648
27. Bowyer, R. T., Stewart, K. M., Monteith, K. L., **Aho, K.** 2016. Wildlife Ecology. In: *Encyclopedia of Environmetrics*, El-Shaarawi, A. H., Piegorsch, W. W., eds. John Wiley & Sons. Republished in Wiley StatsRef: Statistics Reference Online doi: 10.1002/9781118445112.stat07796.pub2.
28. Zorio, S. D.* , Williams, C. F., **Aho, K.** 2016. Sixty-five years of change in montane plant communities in Western Colorado, USA. *Arctic, Antarctic and Alpine Research* 48(4): 703-728. doi: 10.1657/AAAR0016-011
29. Striluk, M. L.* , **Aho, K.** Weber, C. F., 2016. The effect of season and terrestrial biome on the abundance of plant growth-promoting bacteria in the lower atmosphere. *Aerobiologia* 33(1), 137-149. doi:10.1007/s10453-016-9456-0
30. Kaushik, G.* , Huber, D. P.* , **Aho, K.**, Finney, B., Bearden, S. E., and Thomas, M. A. 2016. *In vivo* intestinal and placental transfer of carbamazepine at typical environmental concentrations from drinking water to the developing fetus brain. *Biochemical and Biophysical Research Communications* 474(2): 291-295. doi:10.1016/j.bbrc.2016.04.088
31. Goodnoe, T. T.* , Hill, J. P., **Aho, K.** 2016. Effects of variation in carbon, nitrogen and phosphorous molarity and stoichiometry on sex determination in the fern *Ceratopteris richardii*. *Botany* 94(4): 249-259. doi /10.1139/cjb-2015-0187
32. Thalmann, J. C.* , Bowyer, R. T., **Aho, K.** Weckerly, F. W., McCullough, D. R. 2015. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. *Advances in Ecology*, Article ID 156041, 11 pp, doi: 10.1155/2015/156041
33. **Aho, K.**, Bowyer, R. T. 2015. Confidence intervals for a product of proportions: application to importance values. *Ecosphere* 6(11): 230. doi:10.1890/ES15-00420.1
34. Weber, C. F., King, G. **Aho, K.** 2015. Relative abundance of and composition within fungal orders differ between cheatgrass (*Bromus tectorum*) and sagebrush (*Artemisia tridentata*)-associated soils. *PloS One* 10(3): e0123849. doi: 10.1371/journal.pone.0117026
35. Kaushik, G.* , **Aho, K.**, Thomas, M.A. 2015. Psychoactive pharmaceuticals as environmental contaminants may disrupt highly inter-connected nodes in an Autism-associated protein-protein interaction network. *BMC Bioinformatics* 16(Suppl 7): S3. doi:10.1186/1471-2105-16-S7-S3
36. **Aho, K.**, Bowyer, R.T. 2015. Confidence intervals for ratios of proportions: implications for selection ratios. *Methods in Ecology and Evolution* 6: 121-132. doi: 10.1111/2041-210X.12304
37. Mitchell, C. D., Chaney, R., **Aho, K.**, Bowyer, R.T. 2015. Population density of Dall's sheep in Alaska: Effects of predator harvest. *Mammal Research* 60(1): 21-28. doi: 10.1007/s13364-014-0199-4

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

38. **Aho, K.**, Weaver, T., Eversman, S. 2014. Water and substrate control of cliff communities: Patterns among species and phyla. *Journal of Vegetation Science* 25: 1381-1393. doi: 10.1111/jvs.12205
39. Bandyopadhyay, P. S., Greenwood, M., Brittan, G. Jr., **Aho, K.**, Raby, M. 2014. Empiricism and/or instrumentalism. *Erkenntnis* 79(5): 1019-1041. doi: 10.1007/s10670-013-9567-8
40. **Aho, K.**, Derryberry, D., Peterson, T. 2014. Model selection for ecologists: The worldviews of *AIC* and *BIC*. *Ecology* 95(3): 631-636. doi: 10.1890/13-1452.1
41. Weber, C. F., Lockhart, J. S.*, **Aho, K.**, Charaska, E.*, Lohse, K. A. 2014. Bacterial composition of soils in ponderosa pine and mixed conifer forests exposed to different wildfire burn severity. *Soil Biology and Biochemistry* 69: 242-250. doi: 10.1016/j.soilbio.2013.11.010
42. **Aho, K.**, Bala, J. 2012. Vascular alpine flora of Mount Washburn, Yellowstone National Park, USA. *Madroño* 59(1): 2-13. doi: 10.3120/0024-9637-59.1.2
43. **Aho, K.**, Weaver, T., Regle, S. 2011. Identification and siting of native vegetation types on disturbed land: demonstration of statistical methods. *Journal of Applied Vegetation Science* 14(2): 277-290. doi: 10.1111/j.1654-109X.2010.01110.x
44. **Aho, K.**, Long, R. A.*, Kie, J. G., Bowyer, R. T. 2010. A new index for measuring perpendicularity of animal movements in relation to patch boundaries. *Ecological Modelling* 221: 2004-2007. doi: 10.1016/j.ecolmodel.2010.06.006
45. **Aho, K.**, Weaver, T. 2010. Alpine nodal ecology and ecosystem evolution (Mount Washburn; Yellowstone Natl. Park). *Arctic, Antarctic, and Alpine Research* 40(2): 139-151. doi: 10.1657/1938-4246-42.2.139
46. **Aho, K.**, Weaver, T. 2008. Measuring soil water potential with gypsum blocks: calibration and sensitivity. *Intermountain Journal of Sciences* 14(1-3): 51-60.
47. **Aho, K.**, Roberts, D. W., Weaver, T. 2008. Using geometric and non-geometric internal evaluators to compare eight vegetation classification methods. *Journal of Vegetation Science* 19: 549-562. doi: 10.3170/2008-8-18406
48. **Aho, K.**, Weaver, T. 2006. Measuring water relations and pH of cryptogam rock-surface environments. *The Bryologist* 109 (3): 348-357. doi: 10.1639/0007-2745(2006)109[348:MWRAP]2.0.CO;2
49. **Aho, K.**, Huntly N., Moen J., Oksanen, T. 1998. Pikas (*Ochotona princeps*: Lagomorpha) as allopatric engineers in an alpine ecosystem. *Oecologia* 114 (3): 405-409.

*student author

Invited or Peer-reviewed Proceedings/Presentations/Posters

1. Ibal, J., You, Y., **Aho, K.**, Hale, R., Lohse, K., Godsey, S. 2024. Seasonal shifts of aquatic microbiomes in three intermittent stream networks in the Mountain West region, USA. *American Society of Microbiology (ASM) Meeting*. Atlanta GA. June 13-14.
2. Tchamba, A. L. K.*., Nave, B.*., Bond, C. T. B.*., Utzman, C. Ramos, R. Ibal, J., You, Y., **Aho, K.**, Keuhn, K., Atkinson, C. L., Burgin, A., Zeglin, L. H., Jackson, C. R. 2024. Spatial distribution of microbial extracellular enzyme activity of streambed sediment in intermittent stream systems. *American Society of Microbiology (ASM) Meeting*. Atlanta GA. June 13-14.
3. Call, J.*., **Aho, K.**, Whiting, J., Englestead, D., Frye, J., Doering, B., and Harper, T.* 2024. Temporal and spatial occurrence of bat species of conservation concern in sagebrush and montane habitat. *Idaho Chapter Wildlife Society Annual Meeting*. Coeur d' Alene, ID. March 25-29.

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

4. Sclafani, M.*, Godsey, S., Bilbrey, E.*, Lanfear, R.*, Hale, R., **Aho, K.**, Kraft, M.*, Seybold, E., Lohse, K. L. 2023. Stream drying in intermittent streams induces flowpath and biogeochemistry alteration with consequences for wildfire. *American Geophysical Union Meeting*. San Francisco CA., Dec 11-15.
5. Kraft, M.*, Godsey, S., **Aho, K.**, Burgin, A. J. 2023. Environmental drivers of non-perennial streamflow across the rain-snow transition in semi-arid watersheds *American Geophysical Union Meeting*. San Francisco CA., Dec 11-15.
6. Bilbery, E.*, **Aho, K.**, Hale, R., Lohse, K. Godsey, S. E., 2023. Dissolved organic matter concentration-discharge relationships and quality vary over event and seasonal scales in intermittent streams. *American Geophysical Union Meeting*. San Francisco CA., Dec 11-15.
7. Ramos, R.*, Nave, B. Jr.*, Bond C. T. B.*, Wheeler, C., **Aho, K.**, Burgin, A., You, Y., Zeglin, L. 2023. Patterns of microbial abundance and diversity relating to discontinuity in a non-perennial Kansas stream. *104th ESA Annual Meeting*, Portland OR, Aug 6-11.
8. Roop, S. R.*, Reinhardt K., **Aho, K.**, Germino, M. 2023. Quantifying genetic variation in physiology and morphology in subspecies of big sagebrush (*Artemisia tridentata*) in a common garden setting. *Botanical Society of America Annual Meeting*, Boise, ID. July 22-26.
9. Bond, C. T.*, Nave, B. A.* Kemajou Tchamba A. L.* Wheeler, C.* Kerner, T., **Aho, K.**, Burgin, A., Jackson, C., Seybold, E., You, Y., Zeglin, L. H., Zipper, S., Kuehn, K. A. 2023. Exploring patterns of fungal biodiversity and function across an intermittent stream network in the Great Plains (USA). *Society of Freshwater Science Brisbane Australia*, June 3-7.
10. **Aho, K.** 2023. The network environments of microbes in intermittent streams. *University of Ottawa, Department of Biochemistry, Microbiology and Immunology (Technomise)*, (invited talk)
11. Call, J.*, **Aho, K.** Whiting, J. Englestead, D. Frye, J. Doering, B. Harper, T.* 2023. White-nose syndrome preliminary acoustic baseline research in the upper Snake River plain. *The Wildlife Society (Idaho Chapter) Annual Meeting*. Feb 22-25.
12. Petersen, D.*, **Aho, K.**, Atkinson, C. L., Benstead, J. P., Burgin, A. J., Jones, C. N., Shogren, A. J.* Speir, S. L.* Wheeler, C. T.* Wolford, M. A.* Zipper, S. 2022. Physical drivers of stream intermittency across a physiographic gradient in the Southeastern US. *Orange Beach, AL. Alabama Water Resources Conference* Sept 9-12
13. Roop, S.*, Reinhardt, K., **Aho, K.**, Germino, M.J., Richardson. B. A. 2022. What does it mean to be a subspecies? Quantifying physiology of big sagebrush (*Artemisia tridentata*) in a common garden setting. *107th ESA Annual Meeting*, Montréal, Canada, Aug 14-18.
14. Whiting, J. C., Doering, B., Aho, A. 2022, Can acoustic recordings of cave-exiting bats in winter estimate bat abundance in hibernacula? *50th North American Symposium for Bat Research and 19th International Bat Research Conference, Austin, TX*. Aug 7-12.
15. You, Y., **Aho. K.** et al. 2022. Bacterial and archaeal communities across an intermittent stream network in the Konza Prairie (Kansas, USA). *Gordon Research Conference (GRC) Environmental Sciences: Water*. Holderness, NH, June 19 - 24.
16. You, Y., **Aho. K.** et al. 2022. Bacterial and archaeal communities across an intermittent stream network in the Konza Prairie (Kansas, USA). *Joint Aquatic Sciences Meeting*, Grand Rapids, MI. May 14-20.
17. Burgin, A. J., **Aho. K.** et al. 2022. Aquatic Intermittency effects on Microbiomes in Streams (AIMS): Investigating in infrastructure, training, and methods development to better understand the role of stream intermittency in water quality (invited talk). *EPSCoR National Meeting*; Portland, ME, May, 22.-25.

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

18. Burgin, A. J., **Aho, K.** et al. 2022. Aquatic Intermittency effects on Microbiomes in Streams (AIMS): Investigating in infrastructure, training, and methods development to better understand the role of stream intermittency in water quality. *Joint Aquatic Sciences Meeting*. Grand Rapids, MI. May 14-20.
19. Call, J.*, **Aho, K.**, Whiting, J., Englestead, D., Frye, J., Doering, B., Harper, T.* 2022. Preliminary bat community ecology results for white-nose syndrome management in the upper Snake River plain. *The Wildlife Society (Idaho Chapter) Annual Meeting*. Feb 22-25.
20. Bond, C. T.*, Nave B. A.*, Wheeler, C., Kerner, P., **Aho, K.**, Burgin, A. J., Jackson, C. R., Seybold, E. E., You, Y., Zeglin, L. H., Zipper, S. C., Kuehn, K. A. 2022. Fungal biodiversity across an intermittent stream network at the Konza Prairie LTER, Kansas, USA. *Joint Aquatic Sciences Meeting*, Grand Rapids, MI. May 14-20.
21. You, Y., Kerner, P., Struhs, E., Mirkouei, A., **Aho, K.**, Dungan, R., Lohse, K. A. 2022. Modulation effects of biochar on the soil microbiome: A three-level meta-analysis. *Association of Environmental Engineering and Science Professors (AEESP) Research and Education Conference*. St Louis, MO. June 28-30.
22. Kindred, T. R.*, Godsey, S., Hale, R., **Aho, K.**, Wu, D., Van Wesenbeeck, K. 2021. Spatial intermittency models of Gibson Jack (ID, USA) Reveal the importance of identifying the drivers of intermittency. *American Geophysical Union Meeting*. New Orleans, LA, Dec 10-13.
23. Legg, A., Tetreault, T. **Aho, K.** 2021. Pollination ecology of the Beartooth Plateau. *Idaho Conference on Undergraduate Research (ICUR)*. July 21-July 22.
24. Kerner, P. Lee, J-E, Struhs, E., Mirkouei, A., Liang, X., Sharma, K., **Aho, K.**, Lohse, K., Dungan, R. S., You, Y. 2021. Differential effects of various biochar on the soil microbiome. *World Microbiome Forum*. June 20-24, 2021, A joint digital conference for ASM Microbe and FEMS.
25. Tetreault, T.*, **Aho K.**, 2021. A novel insect exclosure and addressing issues regarding methods in pollination ecology. *106th ESA Annual Meeting (virtual)*. Aug 2-6.
26. Kerner, P.*, Struhs, E., Mirkouei, A., **Aho, K.**, Lohse, K. A., Dungan, R. S., You, Y. 2021. *Modulation effects of biochar on the soil microbiome: A three-level meta-analysis*. *American Chemical Society Meeting, Division of Environmental Chemistry*. April 5-30
27. Badger, R., Shields, J., **Aho, K.**, Serve, K. 2020. Assessing the effect of a synthetic flax seed lignan on the gut microbiome. *Idaho Conference on Undergraduate Research (ICUR)*. Boise, ID (virtual). July 23-24.
28. You, Y., **Aho, K.**, Schwabedissen, S. G., Ledbetter, R., Sheridan, P. P., Magnuson, T. S., Lohse, K. A. 2019. Linking genomes to phenomes in the soil microbiome along a sagebrush steppe elevation gradient. *Applied and Environmental Microbiology, Gordon Research Conference*. South Hadley, MA, July 14-19.
29. Giltz, D., Peterson, C. R., **Aho, K.** 2018. Modeling the number of crowdsourced observations of Idaho amphibians and reptiles to inform management decisions. *14th Biennial Scientific Conference on the Greater Yellowstone Ecosystem: Tracking the Human Footprint*. Big Sky, Montana, Sept 13.
30. Giltz, D., Peterson, C. R., **Aho, K.** 2018. Modeling the densities of crowdsourced animal observations to inform management decisions. *2018 Rocky Mountain Citizen Science Conference*. Cody, WY, Dec 1.
31. Huber, D. P., **Aho, K.**, Seyfried, M.S., Flerchinger, G.N., Lohse, K. A. 2018. Terrestrial Carbon Storage: Improving Estimates of Net Ecosystem Exchange using Soil Profile Measures of Carbon Dioxide (CO₂) Flux in a Cold Sage-Steppe Ecosystem. *American Geophysical Union Meeting*. Washington, D.C., Dec 10-14.
32. Seyfried, M.S., Huber, D. P., **Aho, K.**, Lohse, K. A. 2018. Carbon Dioxide (CO₂) Flux and Partitioning in Soil Profiles Change along an Elevation Gradient in the Reynolds Creek Critical Zone Observatory. *American Geophysical Union Meeting*. Washington, D.C., Dec 10-14.

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

33. Lohse, K. A., Patton, N. R., Renner, C., Commendador, A.* Thomas, J., Finney, B., Macneille, R.* Gossner, K.* Van Orsdel, Z.* Millard, A.* Hill, S.* Durfee, C.* Hawkes, K.* Facer, J.* Ferguson, K.* Rozin, A.* **Aho, K.**, Seyfried, M., Pierson, F. 2018. Temporal variation in soil carbon and release in response to wildfire in the Reynolds Creek Critical Zone Observatory. *American Geophysical Union Meeting*. Washington, D.C., Dec 10-14.
34. Glossner, K.,* Pierson, D., Cram, Z., McCorkle, E.* Murray, A., Seyfried, M., Godsey, S., **Aho, K.**, Lohse, K. A. 2018. Long-term estimates of inland riverine sediment and particulate organic carbon (POC) fluxes from Reynolds Creek Experimental Watershed, Idaho USA. *American Geophysical Union Meeting*. Washington, D.C., Dec 10-14.
35. Jimenez-Sanchez, C.* Hanlon, R.* **Aho, K.**, Powers, C.* Morris, C. E., Schmale III, D. G. 2018. Diversity and Ice Nucleation Activity of Microorganisms Collected with a Small Unmanned Aircraft System (sUAS) in France and the United States. *American Geophysical Union Meeting*. Washington, D.C., Dec 10-14.
36. Bayless-Edwards, A. L. H.* **Aho, K.**, Forman, A. D. Shive, J. P. 2018. Vegetation community classification on the Snake River Plain: Implications for mapping carbon flux in the Northern Great Basin. *103rd ESA Annual Meeting*, New Orleans, LA, Aug 4-10.
37. Zorio, S. D.* Werth, J. T., **Aho, K.** 2018. Microbial connections between atmosphere, vegetation, and soil in alpine ecosystems, Yellowstone National Park, USA. *International Association for Vegetation Science*, Bozeman, MT, USA, July 22-27.
38. Bayless-Edwards, A. L. H.* **Aho, K.**, Forman, A. D., Shive, J. P. 2018. Vegetation community classification on the Snake River Plain: Change in community structure in relation to multiple wildfires. *International Association for Vegetation Science*, Bozeman, MT, USA, July 22-27.
39. **Aho, K.**, Roberts, D. 2018. A new binary approach to indicator species analysis. *International Association for Vegetation Science*, July 22-27, Bozeman, MT, USA, July 22-27. (invited)
40. Valentin, J. L.* **Aho, K.** Edwards, J., Derryberry, D., and Peterson, T. 2017. Improving computational efficiency in identifying parsimonious statistical models. *Idaho Conference on Undergraduate Research*, Boise State University, Boise, ID, July 26-27.
41. Caitlyn Vitale-Sullivan*, Crosby, B., Reinhardt, K., Barber, J., **Aho, K.** 2017. Spectral complexity within river soundscapes. *Idaho Conference on Undergraduate Research*, Boise State University, Boise, ID, July 26-27.
42. **Aho, K.**, Bayless-Edwards, A. L. H.* Weber, C. Morris, C., Vinatzer, B., Christner, B. C., Sands, D., Schmale, D. G., Werth, J. 2017. Bacterial composition of precipitation is correlated with geographic location, season and meteorological conditions. *102nd ESA Annual Meeting*, Portland, OR., Aug 7-12.
43. Zorio, S. D.* Werth, J. T., **Aho, K.** 2017. Microbial connections between atmosphere, vegetation, and soil in alpine ecosystems, Yellowstone National Park, USA. *102nd ESA Annual Meeting*, Portland, OR., Aug 7-12.
44. Bayless-Edwards, A. L. H.* **Aho, K.**, Weber, C. Morris, C., Vinatzer, B., Christner, B. C., Sands, D., Schmale, D. G., Werth, J. 2017. Examining spatial and temporal trends in precipitation-borne microbial communities across the United States. *102nd ESA Annual Meeting*, Portland, OR., Aug 7-12.
45. **Aho, K.**, Derryberry, D., Peterson, T. 2016. The statistical evaluation of ecological theory – A continuum of refutation/confirmation. *101st ESA Annual Meeting*, St Petersburg, FL., Aug 7-12.
46. Thalmann, J. C.* Bowyer, R. T., Kie, J. G., **Aho, K.**, Whiting, J. C. 2016. Social organization and sexual segregation in American (*Bison bison*). *96th Annual Meeting of the American Society of Mammalogists*, University of Minnesota, Minneapolis, MN, June 24-28.
47. Long, R.* **Aho, K.**, Finney, B., Bowyer, R. T. 2016. Stable isotopes and determination of nitrogen availability in sagebrush steppe. *NWSA 87th Annual Meeting*, Bend, OR., Mar 24-26.

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

48. Long, R.*, **Aho, K.**, Finney, B., Bowyer, R. T. 2016. Stable isotopes and determination of nitrogen availability in sagebrush steppe. *ORTWS Annual Meeting*, Seaside, OR., Feb 3-Feb 5.
49. Thalmann, J. C.*, Bowyer, R. T., **Aho, K.**, Weckerly, F. W., McCullough, D. R. 2015. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. *American Society of Mammologists Annual Meeting*. Jacksonville, FL, June 12-16.
50. Thalmann, J. C.*, Bowyer, R. T., **Aho, K.**, Weckerly, F. W., McCullough, D. R. 2015. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. *Western States Deer and Elk Workshop*, Canmore, Alberta, Canada, May 11-14.
51. Thalmann, J. C.*, Bowyer, R. T., **Aho, K.**, Weckerly, F. W. and McCullough, D. R. 2015. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. *Wildlife Society of America (Idaho Chapter Meeting)*, Pocatello, ID, March 10-12.
52. Kaushik, G.*, Thomas, M.A., **Aho, K.** 2014. Psychoactive pharmaceuticals as environmental contaminants may disrupt highly inter-connected nodes in an Autism-associated protein-protein interaction network. *11th Annual Biotechnology and Bioinformatics Symposium*, Provo, UT.
53. Goodnoe, T. T.*, Hill, J. P., **Aho, K.** 2014. Ecological stoichiometry of environmental sex determination in the fern *Ceratopteris richardii*. *Ecological Society of America Meeting*, Sacramento, CA.
54. Peterson, C. R., Bush, D. A.*, Shive, J., **Aho, K.** 2014. Rattlesnake den usage with time-interval photography. *Ecology of Pit Vipers 2 Symposium*, Tulsa OK.
55. Kaushik, G.*, Cretekos, C., **Aho, K.**, Pfau, J. C., Thomas, M.A. 2014. Dysregulation of autism associated synaptic proteins by environmental contaminants. *Society of Toxicology Meetings*, Phoenix, AZ.
56. Kaushik, G.*, **Aho, K.**, Thomas, M.A. 2013. Network Analysis of Genes Associated with Autism Spectrum Disorders (ASD), perturbed in Fish Brains by Environmental Contaminants. *IDeA Networks of Biomedical Research Excellence (INBRE) Conference*, Aug 5-7, Moscow ID.
57. Kaushik, G.*, **Aho, K.**, Thomas, M.A. 2013. Altered gene expression in *Pimephales promelas* fish brains exposed to psychoactive pharmaceuticals is associated with autism spectrum disorders in a protein-protein interaction network. *American Association for the Advancement of Science (AAAS) Meeting*, 6/15, Las Vegas NV.
58. Kaushik, G.*, **Aho, K.**, Thomas, M.A. 2013. Expression in *Pimephales promelas* fish brains exposed to psychoactive pharmaceuticals is associated with autism spectrum disorders: A bioinformatics approach. *Idaho Bioinformatics and Evolutionary Studies (IBEST) Conference* (outstanding poster award).
59. Kaushik, G.*, **Aho, K.**, Thomas, M.A. 2013. Altered gene expression in *Pimephales promelas* fish brains exposed to psychoactive pharmaceuticals is associated with autism spectrum disorders. *Society of Toxicology Meetings*, San Antonio, TX.
60. Derryberry, D. A., **Aho, K.**, Peterson, T. 2012. *AIC or BIC* (or neither). Invited seminar, Department of Mathematics, University of Puget Sound, March 26.
61. Shive, J. P., Forman, A. D. **Aho, K.**, Hafla, J. R., Blew R. D., Edwards, K.T. 2011. Vegetation community classification and mapping on the Idaho National Laboratory Site. *ESRI International User's Conference*, July 11-15, San Diego, CA.
62. **Aho, K.** 2010. Teaching statistics to biologists, the R-package asbio. *The R User Conference 2010*, July 20-23, National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA.
63. **Aho, K.** 2010. Mountain goats (*Oreamnos americanus*) and alpine vegetation in Yellowstone National Park. *10th Biennial Scientific Conference on the Greater Yellowstone Ecosystem Questioning Greater Yellowstone's Future: Climate, Land Use, and Invasive Species*, October 11–13, Mammoth Hot Springs, Wyoming.

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

64. **Aho, K.** 2010. Teaching foundational statistical concepts using R-graphical functions. *American Statistical Association, Snake River Chapter Annual Meeting*, June 4. Boise, Idaho.
65. **Aho, K.** 2010. Monitoring for effects of mountain goats on alpine vegetation in Yellowstone National Park – methods and preliminary findings. *Mountain Ungulate Research Initiative –Collaborator's Meeting*, May 11, Gardiner, Montana.
66. Weaver, T., **Aho, K.**, Regele, S. 2008. The choice and siting of natural vegetation in reclamation of disturbed land. In: *Multifunctional Grasslands in a Changing World, Proceedings of the XXI International Grassland Congress*, Hohot China, Guangdong People's Publishing House.
67. **Aho, K.**, Weaver, T. 2007. Reclamation of native vegetation on western post-coal-mine landscapes: analysis, methods and recommendations. *National Ecological Society of America, Society for Ecological Restoration Joint Meeting*. San Jose, CA. COS 57-10 <http://eco.confex.com/eco/2007/techprogram/P7594.HTM>
68. Weaver, T., **Aho, K.** 2006. Identification of community types of SE Montana as targets for mine reclamation. In: *2006 Billings Land Reclamation Symposium*, Billings MT. Jointly published by BLRS and ASMR, Lexington, KY.
69. **Aho, K.** 2006. Multivariate clustering for objective classification of vegetation data. *Billings Land Reclamation Symposium*, Billings, MT. Jointly published by British Land Reclamation Society (BLRS) and American Society of Mine Reclamation (ASMR), Lexington, KY.
70. **Aho, K.**, Eversman, S., Weaver, T. 2005. Water and substrate control of Rocky Mountain cliff communities. *8th Biennial Scientific Conference on the Greater Yellowstone Ecosystem*. Mammoth Hot Springs, WY.
71. **Aho, K.** 2005. Alpine plant communities of the Northern Rocky Mountain volcanics. *8th Biennial Scientific Conference on the Greater Yellowstone Ecosystem*. Mammoth Hot Springs, WY. Oct 17-19.

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Published datasets

1. **Aho, K.** and Tetraeault, T.* 2024. Changes in an alpine plant-pollinator network over 40 years. <https://doi.org/10.5281/zenodo.10393056>
2. Commendador, A., Finney, B., **Aho, K.**, Lohse, K. 2020. *Relationship between plant and soil isotopes and climate in a sagebrush-steppe ecosystem of southern Idaho*. <https://doi:10.18122/reynolds creek/20/boisestate>
3. **Aho, K.**, Weber, C. F., Christner, B. C., Vinatzer, B. A., Morris, C. E., Joyce, R.*, Failor, K. *, Werth, J. T., Bayless-Edwards, A. L. H.*, Schmale III, D. G. 2019. *The microbial associates of precipitation over four seasons, at three locations in the United States*. <https://data.nkn.uidaho.edu/dataset/microbial-associates-precipitation-over-four-seasons-three-locations-united-states>. <https://doi.org/10.7923/6t5b-y124>
4. Huber, D. P., Commendador, A., Finney, B., Lohse, K. A., **Aho, K.**, Seyfried, M.S., Germino, M. J. 2018. *Dataset for sequestration of soil inorganic carbon and potential sources in a cold-desert ecosystem*. <https://doi.org/10.18122/reynolds creek/13/boisestate>
5. Huber, D. P., Lohse, K. A., Commendador, A., Joy, S., Finney, B., **Aho, K.**, Germino, M. J. 2018. *Dataset for change in carbon storage for cold desert ecosystems controlled by precipitation, seasonality and invasive vegetation*. <https://doi.org/10.18122/B2QT3J>
6. Sharma, H., Reinhardt, K., Lohse, K. A., **Aho, K.**, Flerchinger, G. N., Seyfried, M.S. 2018. *Dataset for measured and modelled carbon (Net Ecosystem Exchange) and water (evapotranspiration) data for three sagebrush core sites at Reynolds Creek Critical Zone Observatory*. <https://doi.org/10.18122/reynolds creek/12/boisestate>

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Grants and contracts (funded or pending)

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

1. Lee, Saac., **Aho, K.*** 2024. Great Basin spadefoot monitoring. ISU Center for Ecological Research and Education. \$4,000 (*pending*)
2. Lee, Saac., **Aho, K.*** 2024. Great Basin spadefoot monitoring. Biological Sciences Research Committee. \$4,000 (*pending*)
3. Maienza, C., **Aho, K.*** 2024. Fire ecology at the subalpine/alpine ecotone. ISU Center for Ecological Research and Education. \$4,000 (*pending*)
4. Maienza, C., **Aho, K.*** 2024. Fire ecology at the subalpine/alpine ecotone. Biological Sciences Research Committee. \$4,000 (*pending*)
5. Whiting, J., **Aho, K.*** 2024-2025. Bat white-nose syndrome monitoring. Idaho Falls Zoo. \$10,000 (*funded*)
6. Call, J., Whiting, J., Aho, K., Grinath, J. 2023. Bat Activity Monitoring in Southeastern Idaho for White-nose Syndrome. Idaho State University Summer Research Grant program. \$2,000 (*funded*)
7. Whiting, J., **Aho, K.*** 2023-24. Bat white-nose syndrome monitoring. Idaho Falls Zoo. \$10,000 (*funded*)
8. Maienza, C., **Aho, K.*** 2023. Fire ecology at the subalpine/alpine ecotone. ISU Center for Ecological Research and Education. \$4,000 (*funded*)
9. **Aho, K.***, Fultz, J. Pradham, D., Giltz, D. 2023. CoSE Executive Committee, strategic investment fund grant. (ABIO01) \$17,000 (*funded*)
10. **Aho, K.** 2023. Bat activity monitoring in southeastern Idaho in preparation for the arrival of white-nose syndrome. ISU Office of Undergraduate Research, Internal Small Grant Program (ISGP). (LIGS08) \$5000. (*funded*)
11. **Aho, K.**, Legg, A. 2022-22. Travel grant for undergraduate internship in molecular biology. ISU Office of Undergraduate Research. \$1200 (*funded*).
12. Tetreault, T., **Aho, K.*** 2021-21. Beartooth Plateau pollination ecology in the 21st Century. ISU Summer Research/Creative Activity Grants. \$2000 (*funded*)
13. Whiting, J.*, **Aho, K.*** 2021-22. Bat white-nose syndrome monitoring. United States Bureau of Land Management. \$43,000 (RBIO4K) (*funded*)
14. Tetreault, T., **Aho, K.*** 2021-21. Beartooth Plateau pollination ecology in the 21st Century. ISU Center for Ecological Research and Education. \$3,200 (*funded*)
15. **Aho, K.*** 2021-. Numerical analysis of white-nose syndrome monitoring. Veolia consulting. \$27,040 (RBIO4E)(*funded*)
16. Tetreault, T., **Aho, K.*** 2020-20. Beartooth Plateau pollination ecology in the 21st Century. ISU Center for Ecological Research and Education. \$1,000 (AUSR06 for salary LRES20 for other expenses) (*funded*)
17. Tetreault, T., **Aho, K.*** 2020-20. Beartooth Plateau pollination ecology in the 21st Century. Biological Sciences Research Committee. \$2,500 (LBIO10) (*funded*)
18. Burgin A. J.**, Atkinson, C. L.*\$, Godsey, E. E.*\$, Allen, D. C.*, Kuehn, K. A.*, Aho, K.*, Aloabaidi, M., Bensstead, J. P.*, Hale, R. L.* Jackson, C. R.* Johnson, J. T., Jones, C. N.* Brooks-Kiefer, J., Lohse, K. A.* Meisel, J. J. Seybold, E. C., You, Y., Zeglin, L.* 2020-. Aquatic Intermittency effects on Microbiomes in Streams (AIMS). NSF, OIA-EPSCoR Research Infrastructure. \$5,998,875 (\$1,200,000 to ISU). (*funded*)

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

19. Ledbetter, R.*, You, Y., Lohse, K., Magnuson, T., **Aho, K.**[†], de Graaff, M. A. 2019-20. Linking genomes to phenomes in sagebrush steppe soil microbial communities along an elevation gradient at the Reynolds Creek Critical Zone Observatory. GEM3 Idaho-EPSCoR ~ \$5,800. (*funded*)
20. Bayless-Edwards, A., **Aho, K.*** 2018-18. Modeling carbon flux sensitivity to changing climate: Quantifying ecosystem services in a semi-arid system. ISU Center for Ecological Research and Education, \$4,960 (*funded*).
21. Zorio, S., **Aho, K.*** 2017-17. Microbial connections between atmosphere, vegetation, and soil in alpine ecosystems, Yellowstone National Park, USA. COSE internal grant. \$2,000 (*funded*)
22. Bayless-Edwards, A., **Aho, K.*** 2017-17. A comparison of Next-Generation Sequencing approaches. MRCF internal grant \$1,000 (*funded*)
23. **Aho, K.*** 2017-17. Statistics for biologists using R (a programming workshop). Freie Universität, Berlin, Germany. Physalia-courses, ~\$3,500 (*funded*)
24. **Aho, K.***, Derryberry, D., Peterson, T. 2017-17. Building a greedy algorithm for high-efficiency model selection. Idaho-EPSCOR (MILES) \$3,500 (*funded*)
25. **Aho, K.*** 2016. Classification and characterization of vegetation communities at the Idaho National Laboratory. Wastren Technologies. \$41,128 (*funded*)
26. **Aho, K.*** 2015-15. Introduction to R (a programming workshop). National Park Service Heartland Network Monitoring Program. \$750 (*funded*)
27. Hill, R., **Aho, K.*** 2015-15. Genetic microsatellite analysis of dwarf mistletoe (*Arceuthobium americanum*). MRCF internal grant. \$500 (*funded*)
28. **Aho, K.*** 2015-15. Genetic microsatellite analysis of dwarf mistletoe (*Arceuthobium americanum*). COSE internal grant. \$2,000 (*funded*)
29. Bowyer, R. T.*., Lohse, K. A., Whiting, J. C., **Aho, K.**[†], Loxterman, J. L., Thalman, J. C. 2014-14. Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a changing climate. Northwest Scientific Association 2014 Student Research Grant Competition. \$1,500 (*funded*).
30. Bowyer, R. T.*., Lohse, K. A., Whiting, J. C., **Aho, K.**[†], Loxterman, J. L. and Thalman, J. C. 2014-16. Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a changing climate. Idaho State University Office for Research & Economic Development. \$19,665 (*funded*).
31. Moler, E., **Aho, K.*** 2014-14. Investigating endosymbionts of whitebark pine needles for host-plant resistance against the white pine blister rust disease. MRCF internal grant \$1,000 (*funded*)
32. **Aho, K.*** 2014-15. Modeling bat activity at the Idaho National Laboratory. Gonzales-Stoller Surveillance LLC. \$4,500 (*funded*)
33. **Aho, K.*** 2014-14. Population genetics of dwarf mistletoe (*Arceuthobium americanum*) in the Northern Great Basin. COSE internal grant. \$2,000 (*funded*)
34. **Aho, K.*** 2014-14. Introduction to R (a programming workshop). Idaho Department of Environmental Quality. \$1,200 (*funded*)
35. **Aho, K.*** 2014-14. Zero inflated negative binomial models to quantify the effect of gas development on elk populations near Pinedale, WY. Subcontracted through Blue Sail consulting LLC. \$1,800 (*funded*)
36. Weber C., **Aho, K.**** 2013-16. Dimensions: Collaborative Research: Research on Airborne Ice-Nucleating Species (RAINS). NSF/DEB #1241069, \$575,957 (*funded*).

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

37. Moler, E., **Aho, K.*** 2013-13. Investigating symbionts of whitebark pine needles for a source of host resistance against the white pine blister rust disease. ISU University Research Committee (URC) Grant. \$1,000. (*funded*)
38. Moler, E. and **Aho, K.*** 2013-14. Investigating fungal endophytes of whitebark pine needles in an experimental and exploratory context. Mazamas Research Grant Proposal. \$1,400. (*funded*)
39. **Aho, K.*** 2012-12. Statistical modelling of sage grouse habitat at the Idaho National Laboratory. Gonzales Stoller Surveillance, LLC. \$1,300. (*funded*)
40. **Aho, K.*** 2010-10. Classification of vegetation for the Upper Columbia Basin Network. National Park Service (NPS). \$2,000. (*funded*)
41. **Aho, K.*** 2010-10. National Institute of Standards and Technology, Statistical Engineering Division, travel grant award. \$800. (*funded*)
42. **Aho, K.*** 2010-10. National Science Foundation (NSF) travel grant award. \$500. (*funded*)
43. **Aho, K.*** 2009-10. Classification of plant communities at the City of Rocks National Preserve. S.M. Stoller, Corp. \$7,150. (*funded*)
44. **Aho, K.*** 2008-09. Classification of Idaho National Laboratories (INL) plant communities. S.M. Stoller, Corp. \$5,496. (*funded*)
45. **Aho, K.***, White, P. J., Hektner, M. and Weaver, T. 2007-12. Estimating impacts of growing mountain goat populations on tundra, Greater Yellowstone Ecosystem. National Park Service (NPS). \$196,000. (*funded*)
46. Weaver, T.*, **Aho, K.**[†] and Regele, S. 2006-08. Vegetation habitat analysis to enhance reclamation of drastically disturbed lands. Office of Surface Mining (OSM), and the Montana Department of Environmental Quality (MDEQ). \$65,000. (*funded*)

*PI, [†]co-PI, ^{\$}university lead, ^{\$\$} project director **C. Weber wrote and directed this grant from Jan 1, 2013 to June 1, 2016. I took over PI responsibilities from June 2016 to Jan 2019.

Grants and contracts (not funded)

1. Maienza, C., Aho, K.*. 2023. Fire ecology at the subalpine/alpine ecotone. Biological Sciences Research Committee (BSRC). \$4,000 (*not funded*)
2. Aho, K. 2022. Undergraduate research concerning Aquatic Intermittency effects on Microbiomes in Streams (AIMS). ISU-Office of Research \$2,000 (*not funded*)
3. Xu, X.,* Aron, A.*., Wright, S.*., **Aho, K.***, 2020. Promoting physical activity through novelty and excitement: A participatory approach with rural communities. NIH-R15 \$120,000 (*not funded*).
4. Parsekian, A.*., Yang, Y., McCoy, S., Godsey, S., **Aho, K.**[†], Glenn, N., Olschanowsky, C., Paige, G. 2019. BigCZData: Connecting Surface and Subsurface Information to Quantify Critical Zone Resilience. NSF EPSCoR RII Track-2 FEC ~ \$1,500,000 (*not funded*)
5. Magnuson, T.*., Lohse, K. L., You, Y., Boyd, E., Ledbetter, R., **Aho, K.**[†] 2019. Linking genomes to phenomes in sagebrush steppe soil microbial communities facing a changing environment. DOE EPSCoR ~ \$3,000,000 (*not funded*)
6. Zorio, S., **Aho, K.*** 2018. Microbial connections between atmosphere, vegetation, and soil in alpine ecosystems, Yellowstone National Park, USA. ISU Center for Ecological Research and Education, \$3,500 (*not funded*).
7. Bayless-Edwards A., **Aho, K.*** 2017. Vegetation community classification, mapping and modeling across the Idaho National Laboratory. NSF-GFRP ≤ \$128,000 (*not funded*)

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

8. Zorio, S., **Aho, K.** 2017. Microbial connections between atmosphere, vegetation, and soil in alpine ecosystems, Yellowstone National Park, USA. INBRE Bioinformatics Core Mini-Grant Program. \$3,500 (*not funded*)
9. **Aho, K.***, Groome, J. 2016. Hodgkin-Huxley analysis of action potential dysfunction in skeletal muscle disease. ISU-COSE internal grant. \$20,000. (*not funded*)
10. **Aho, K.*** 2016. Ecological and sociopolitical consideration of vegetation reclamation on the Portneuf River. Managing Idaho's Landscapes for Ecosystem Services (MILES) Graduate Research Assistantship. ~ \$20,000 (*not funded*)
11. Xu, D.*, Chin, S. C., Groome, J. R., Hevener, K. E., Zhu, Y., **Aho, K.[§]** 2016. MRI: Acquisition of a hybrid CPU/GPU high-performance cluster with a fast interconnect for computational science and engineering. NSF-DBI \$423,831 (*not funded*)
12. **Aho, K.*** 2015. Endophytes as biocontrols of white pine blister rust in whitebark pine. USFS-Technology Development for the Biological Control of Invasive Native and Non-Native Plants. \$93,701 (*not funded*)
13. **Aho, K.*** 2015. An inventory of the endophytic communities in whitebark pine in the context of white pine blister rust. USFS-FHM-Evaluation Monitoring (EM) grant proposal. \$106,572 (*not funded*)
14. **Aho, K.*** 2015. Application of next-generation pyrosequencing to study endophytic communities of whitebark pine in the context of white pine blister rust. USFS-Special Technologies Development Program (STDP) grant proposal. \$107,266 (*not funded*)
15. **Aho, K.*** 2015. CAREER: Whitebark pine endophyte ecology: components for fungal biocontrol testing, community assembly processes, and STEM education. NSF-DEB \$575,000 (*not funded*)
16. **Aho, K.***, Loxterman, J., Keeley, E. and Frazier, T. 2015. Building a key component of the MILES Landscape Early Warning Information System (LEWIS) through Landscape Genetics EPSCoR MILES iSEED proposal \$20,000 (*not funded*).
17. Bowyer, R. T.*., Lhose, K. A., Whiting, J. C., **Aho, K.[†]**, Loxterman, J. L. and Thalman, J. C. 2014. Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a changing climate. Buffalo Foundation. \$91,000 (*not funded*).
18. Bowyer, R. T.*., Lhose, K. A., Whiting, J. C., **Aho, K.[†]**, Loxterman, J. L. and Thalman, J. C. 2014. Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a changing climate. Riverbanks Zoo and Garden --conservation support fund. \$91,000 (*not funded*).
19. Bowyer, R. T.*., Lhose, K. A., Whiting, J. C., **Aho, K.[†]**, Loxterman, J. L. and Thalman, J. C. 2014. Reproduction and growth of American bison: the influence of extrinsic and intrinsic factors in a changing climate. Safari Club International. \$50,000 (*not funded*)
20. **Aho, K.*** 2014. Pre-proposal: BIO IUSE Ideas Lab: 21st century biostatistics. NSF-PD 14-7513 (*not funded*).
21. **Aho, K.*** 2014. Pre-proposal: Rocky Mountain alpine ecosystems in the context of invasive mountain goats and climate change (SG). NSF-DEB (*not funded*).
22. Hill, R. and **Aho, K.*** 2013. Genetic diversity of *Arceuthobium americanum* in the Southeast Idaho region. ISU University Research Committee (URC) Grant. \$2,000. (*not funded*)
23. Moler, E. and **Aho, K.*** 2013. The fungal endophytes of whitebark pine needles. Mycological Society of America research grant. \$1,000. (*not funded*)
24. Moler, E. and **Aho, K.*** 2013. Investigating the role of fungal endophytes in host resistance against the white pine blister rust disease. Mycological Society of America travel grant. \$1,000. (*not funded*)

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

25. **Aho, K.***, Derryberry, D., Mispirata and M., Peterson, T. 2012. Analysis of Biological Systems (ABS): a new approach to biostatistics education and recruitment. NSF-DUE (TUES), \$181,026. (*not funded*)

**program director, *lead-PI, †co-PI

Notable technical reports

1. **Aho, K.** 2022. Introduction to the *streamDAG* package (ver. 1.2-7). [Software documentation] <https://doi.org/10.5281/zenodo.7562617>
2. Shive, J.P., Forman, A. D., Bayless-Edwards, A., **Aho, K.**, Kaser, K. A., Hafla, J. R., Edwards, K. T. 2019. Vegetation community classification and mapping of the Idaho National Laboratory site. Veolia Nuclear Solutions – Federal Services, Environmental Surveillance, Education, and Research Program, Idaho Falls, ID. 79 pgs + Appendices. (<http://idahoer.com/LandManagement/VegMap/Vegetation%20Community%20Classification%20and%20Mapping%20of%20the%20INL%20Site%202019.pdf>)
3. Pacioretti, M.*, Thalmann, J.* and **Aho, K.** 2014. Estimating population density of Merriam's wild turkey: Distance sampling in Southeastern Idaho. Prepared for Idaho Department of Fish and Game.
4. **Aho, K.** 2014. GLMs and zero inflated GLMs: Applications to the ecology of elk in SW Wyoming. Prepared for Blue Sail consulting, LLC. 8 pgs.
5. **Aho, K.** 2012. Management of introduced mountain goats in Yellowstone National Park (vegetation analysis along a mountain goat gradient). PMIS #: 105289. Prepared for National Park Service. 150 Pgs.
6. Forman, A., **Aho, K.** and Shive, J. P. 2011. Vegetation classification of National Park Service lands to support the National Park Service Vegetation Inventory Program. Prepared for GSS-Stoller LLC.
7. Shive, J. P., Forman, A. D. **Aho, K.**, Hafla, J. R., Blew R. D. and Edwards, K.T. 2011. Vegetation community classification and mapping on the Idaho National Laboratory Site. Prepared for GSS-Stoller LLC. <http://www.idahoer.com/PDF/VEgMapReport/VegMapReport.pdf>
8. **Aho, K.** and A. Forman. 2010. Classification of City of the Rocks National Preserve Vegetation. Prepared for GSS-Stoller LLC. Idaho Falls, Idaho. 36 pgs.
9. **Aho, K.** 2009. Classification of (Idaho National Laboratory) INL vegetation. Prepared for GSS-Stoller LLC Idaho Falls, Idaho. 40 pgs.
10. Weaver, T., **Aho, K.**, Dougher, F., Wood, S. and Regele, S. 2007. Studies of Vegetation Habitat Association (VHA) for surface mine reclamation. Final report to Montana Department of Environmental Quality and Office of Surface Mines, USDI. Cooperative agreement WRO-CA-2005-001, Task 001.
11. **Aho, K.**, Blicker, P., Neuman, D. and Weaver, T. 2005. Categorization and characterization of vegetation in relation to bond release criteria: CCV Phase IV characterization of pre-mine vegetation. Prepared for MDEQ and a consortium of coal resource extraction companies. Montana State University, Bozeman MT. 302 pgs.
12. **Aho, K.**, Blicker, P., Neuman, D. and Weaver, T. 2005. Categorization and characterization of vegetation in relation to bond release criteria: CCV Phase III final report-categorization of pre-mine vegetation foundations of analysis. Prepared for MDEQ and a consortium of coal resource extraction companies. Montana State University, Bozeman MT. 130 pgs.
http://www.montana.edu/reclamation/bond_release_vegetation_criteria.htm
13. **Aho, K.** and Weaver, T. 2004. Classification of Alpine Plant Communities of the Northern Rocky Mountain Volcanics. Report to Yellowstone National Park. YELL-NPS-5119. 82 pgs.

*student author

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

Memberships and affiliations

- American Statistical Association, Snake River Chapter
- The Ecological Society of America
- Affiliate curator at the Ray J. Davis herbarium (IDS)

Service to the field

- Associate Editor for Frontiers in Ecology and Evolution: (Models in Ecology and Evolution), Sept, 2023 -
- Organizer for the International Association of Vegetation Science (IAVS) conference, Bozeman, MT July 2018.
- Secretary elect for the Statistical Section of the Ecological Society of America (6/2014-9/2016)
- Organizer for the Ecological Society of America 2016 meeting symposium “Evaluation and Status of Ecological Theory”
- Reviewer of articles for leading international environmental, ecological, biometrical/statistical and computer science publications:
 - Arctic, Alpine and Antarctic Research (3)
 - Ecological Engineering
 - Ecological Modelling (2)
 - Ecosphere
 - Flora
 - Frontiers in Ecology and the Environment (2)
 - Information Sciences
 - Journal of Vegetation Science (3)
 - Journal of Applied Meteorology and Climatology
 - Journal of Environmental Management
 - Methods in Ecology and Evolution
 - Journal of Statistical Distributions and Applications (2)
 - PeerJ (3)
 - Phytocoecologia (5)
 - Plant Ecology (7)
 - Proceedings of the Royal Society
 - Statistics in Medicine
 - Western North American Naturalist (2)
- Reviewer for local/regional peer-reviewed journals
 - Idaho Academy of Science (2)
- Reviewer for statistics, ecology, and plant biology book proposals:
 - Chapman Hall/CRC/Taylor and Francis (4)
 - Oxford University Press (3)
- Reviewer for NSF grant proposals (3)
- Genetic microsatellite primers developed for *Arceuthobium americanum* distributed to Genbank (<http://www.ncbi.nlm.nih.gov/>). Accessions: Pr032816302, Pr032816303, Pr032816304, Pr032816305, Pr032816306, Pr032816307, Pr032816308
- Nexgen sequences of fungal OTUs in the phyllospheres of *Pinus albicaulis* disseminated via MG-RAST (<http://metagenomics.anl.gov/>).
- Nexgen sequences of fungal species and bacteria OTUs in a continental-scale sampling of precipitation events, disseminated via MG-RAST (<http://metagenomics.anl.gov/>).
- Co-administrator for the international website for vegetation classification <http://sites.google.com/site/vegclassmethods/>
- NSF UBM (Undergraduate Biology and Mathematics) program panel, 2009

Service to the University/College

- Faculty senate (SP 2020 – present)

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

- Statistics curriculum council (Dept. of Mathematics and Statistics). (FA 2014- present)
- Dept. of Mathematics and Statistics promotion and tenure committees
 - Promotion committees: (FA 2013, FA 2017, SP 2020, FA 2020)
 - Promotion and tenure committees: (SP 2014, FA 2014)
- ISU science and engineering festival volunteer: (SP 2013, 2014)
- Dept. of Mathematics and Statistics faculty search committees: [FA 2019 (statistician position), FA 2020 (statistician position), SP 2021 (statistician position), FA 2021 (statistician position), FA 2022 (applied mathematics position), SP 2023 (applied mathematics position)]
- Judge for presentations at ISU graduate research days, (SP 2015)
- Statistical subject-matter presentations:
 - Department of Biological Sciences (FA 2011, SP 2014, FA 2021)
 - School of Business (FA 2012)
 - Department of Geosciences (FA 2015)
 - Department of Mathematics and Statistics (SP 2015)
 - Department of Biomedical and Pharmaceutical Sciences (FA 2016)

Service to the Department

- Biological Sciences advising table, (SP 2012, SP 2015, SP 2023)
- Biological Sciences representative for ISU Tech Expo, (SP 2023)
- Bengal STEM day volunteer, (SP 2023, SP 2024)
- Biological Sciences representative university honors scholars outreach event, (FA 2022)
- Volunteer lecturer for Biology Graduate Seminar, biostatistics focus (BIOL 6690), (FA 2016, 2017, 2018)
- Volunteer lecturer for Idaho INBRE (IDeA Network of Biomedical Research Experience), (FA 2014)
- Faculty search committees
 - Visiting assistant professor; Microbiologist (co-chair) (SP 2018)
 - Bioinformatician, (SP 2016)
 - Plant physiological ecologist (SP 2011)
- Tenure and promotion committees
 - Tenure and Promotion committees (FA 2017, FA 2021)
 - Senior lecturer promotion committee (SP 2014)
- Departmental space committee (FA 2014-2019, Committee chair, 2018-2019)
- Awards and recommendation committee (2011-2014, Committee chair, 2014-2019)
- Undergraduate curriculum committee (SP 2021)
- > 80 hours annually spent providing statistical guidance to graduate students and faculty. Personally advised 37 ISU faculty members, and more than 70 Biological Sciences graduate students concerning statistical methods.

Service to the Community

- Volunteer for elementary school math education nights, Pocatello, ID., 2008

Postdoctoral advising

- Michael Braus (SP 2021)
- Jerald Ibal (SP 2023-)

Current and completed graduate students (chair or co-chair)

Current:

- Saac Lee (MS, started 2024) *chair*
- Chris Maienza (PhD, started 2022) *chair*
- Jessica Call (MS, started FA 2021) *chair*
- Spencer Roop (PhD, started FA 2019) *co-chair*

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

Completed:

- Troy Tetreault: *Pollination Ecology of The Beartooth Plateau in the 21st Century* (MS, started FA 2019; completed SP 2022) *chair* (Content Developer, Regional Office of Sustainable Tourism, Lake Placid, NY)
- Stephanie Zorio: *Integrated Ecology: From Classroom to Alpine Summit* (DA, biology; started FA 2016; completed SU 2019) *chair* (currently, Senior Environmental Specialist - North Carolina Department of Environmental Quality)
- Aurora Bayless: *Vegetation Community Classification, Mapping and Modeling on the Idaho National Laboratory* (MS, biology; started FA 2016, completed SP 2019) *chair* (currently, Project Manager – GeoDigital, GIS solutions for electrical utilities, Portland OR)
- Roger Long: *Effects of Agriculture and Livestock: Anthropogenic Nitrogen Fluxes in the Shrub-Steppe* (DA, biology; started FA 2014; completed SU 2016) *co-chair* (Instructor, Great Basin College, Spring Creek, NV)
- Ehren Moler: *Fungal Ecology of Whitebark Pine Phyllospheres in the Southern Cascades* (MS, biology; started FA 2012; completed SP 2015). *Chair* (currently lecturer/research assistant professor, California State Polytechnic, Pomona CA)
- Roy Hill: *Insular Biogeography and Population Genetics of Dwarf Mistletoe (*Arceuthobium americanum*)* (MS, biology; started FA 2012; completed SP 2016) *chair*

Graduate student committees (non-chair)

- Adam Lenz (MNS, biology); comp. FA 2013
- Kaleb Heinrich (DA, biology); comp. SU 2015
- Stephanie Zorio (MS, biology); comp. SU 2015
- Taylor Goodnoe (MS, biology); comp. SP 2016
- Johanna Thalman (MS, biology); comp. SP 2016
- Theresa Condo (MS, biology); comp. SU 2017
- Katherine Behn (MS, biology); comp. SP 2017
- Jeremy Brooks (PhD, biology)
- Landon Edwards (MS, biology); comp. SP 2019
- Patrick Glitz (MS, biology); comp. FA 2019
- Dayne Lubenow (MS, biology); comp. SP 2019
- Amy Commendador (PhD, biology) SP 2022
- Kayla Glossner (MS, biology); comp. SU 2019
- Jade Ortiz (PhD, biology)
- Mary Meyerpeter (MS, biology); comp FA 2020
- Abbi Chadbourne (MS, biology); comp. SP 2020
- Tricia Kerner (MS, biology); comp. SP 2021
- Katrina White (MS, biology) ; comp. SP 2022
- Reagan Badger (MS, biology); comp. SP 2021
- Sawyer Finley (MS, biology); comp. FA 2022
- Andrew Blinn (PhD, biology); transferred to UGA, 2022
- Erika Stewart (PhD, biology)
- Evan Bilbery (MS, biology)
- Colleen Murray (PhD, biology)
- Dallin Stokes (MS, biology)

GFR student committees

- Gene Rubin (MS; geology)
- Michelle Sclafani (MS; geology)
- Julia Blackburn (MS; physician assistant sciences); comp. SP 2020
- Mallory Miner (DNP, nursing); comp. SP 2017
- Michael Watrobka (MS; physician assistant sciences); comp. SP 2016
- Travis Bennet (MS, health physics) SP 2016
- Jason Rose (DA, mathematics); comp. FA 2014

Undergraduate and post-baccalaureate research

- William Rochon. FA, 2023. “Greenhouse gas production following rewetting of intermittently and seasonally dry streams, Dry Creek watershed, Boise ID.”
- Paige Wood. FA 2023. “Microbial communities of the Gibson Jack watershed in relation to distances from springs”

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<https://scholar.google.com/citations?user=kbCCFYoAAAAJ&hl=en&oi=ao>

- Mateo Barboza. SU 2023. "Macroinvertebrate communities of the Kings Creek watershed, Manhattan KS. "
- Arya Legg. SU 2023. "Microbial communities of the Gibson Jack watershed in a graph theoretic context"
- Allie Zarate. SU 2023. "Greenhouse gas production, microbial communities, and intermittency in the Gibson Jack watershed."
- Avalon Johnson. SU 2023. "Effects of intermittency on water quality in Gibson Jack watershed."
- Anna Sniadach. SU 2023. "Assessing spatial relationships between dissolved organic matter, stream discharge and groundwater effluence in Gibson Jack Watershed in Pocatello, ID"
- Arya Legg. SU 2021. "Pollination ecology of the Beartooth Plateau"
- Present Karmacharya. FA 2019. "Analysis of genetic data"
- Cody Prouse. FA 2018. "Wildlife utilization of Russian olive groves in the Sterling Wildlife Management Area."
- Joseph L. Valentin. 2017. "Improving computational efficiency in identifying parsimonious statistical models."
- Peter Eckert, Caitlyn Vitale. SP 2017-2022. "Epigenetics and heritability of phenotypic plasticity in *Bromus tectorum*."
- Weston McCarron, Brittany Christopher, Cheyenne Page, Rachel Taylor, Makenzie Swafford, Paige Shouse, Jessalyn Garnett, Hannah Quick. FA 2014, SP 2015. "Application of novel microsatellites to local species in the genus *Arceuthobium*."
- Caitlyn Vitale. FA 2015. "Sonic landscapes of the Salmon River."
- Jillian Buttici, Tan Certhomas, Aaron Harnsberger, Courtney Dial, Connor Newman. SP 2014. "PEEPs – Pine Endophytes Education Project(s)."
- Katrina Hofstetter (*nee* Molyneux) SP 2012 "Gradients of phosphorous over time in the Portneuf River"
- Cassandra Lemons (*nee* Gause) SP 2012 "Analysis of bryophyte recovery from desiccation"
- Lynette Pettingill. SP 2012 "Survey of Southeastern Idaho vascular plant species"

Reviews of work/interviews

- Reviews for: Aho, K. 2014. *Foundational Statistics for Biologists Using R*. Chapman and Hall/CRC Press, Boca Raton, FL.
 - Prum, R. 2015. Reviews of Books and Teaching Materials. *The American Statistician*: 69:3, 245-246, doi: 10.1080/00031305.2015.1068616
 - zbMATH. 2015. <https://zbmath.org/?q=an:1306.62003>
 - Statistical Methods in Medical Research (11/28/2014)
<http://smm.sagepub.com/content/early/2014/11/28/0962280214561850.extract>
 - American Mathematical Association AMA (09/30/2014)
<http://www.maa.org/publications/maa-reviews/foundational-and-applied-statistics-for-biologists-using-r>
- Interviews concerning Aho, K. 2014. *Foundational Statistics for Biologists Using R* Chapman and Hall/CRC Press, Boca Raton, FL.
 - Idaho State University ISU Headlines (4/8/2014) <http://www.isu.edu/headlines/?p=5744>
 - Idaho State Journal (4/8/2014) http://www.idahostatejournal.com/news/local/isu-biological-sciences-professor-publishes-textbook-companion-software/article_cb9ded7e-bf44-11e3-b836-0019bb2963f4.html
- Other interviews/contributions
 - Idaho News 8 (11/13/2019) <https://www.localnews8.com/news/isu-professor-s-research-provides-a-new-outlook-on-weather-prediction/1141898097>
 - Idaho State University ISU Headlines (11/5/2019) <https://isu.edu/news/2019-fall/isu-professor-aho-studies-how-airborne-bacteria-fungi-help-it-rain-and-snow.html>
 - Conservation biology: The end of the wild (2011) *Nature* 469: 150-152.
 - Marris, E. 2011. *Rambunctious Garden: Saving Nature in a Post-Wild World*. Bloomsbury.