

Dr. Andrea Aspbury  
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Biology  
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## Professional Positions

Senior Lecturer, Texas State University. (2005 - Present).  
Adjunct Doctoral Graduate Faculty, Texas State University. (2003 - Present).  
Guest Lecturer, Etvös Lorand University. (February 2019 - May 2019).  
Faculty, Mountain Lake Biological Station. (May 2013 - June 2015).  
Lecturer, University of Texas. (2002 - 2005).  
Post-doctoral Research Associate, Texas State University. (2002 - 2004).

## Education

PHD, Univ of Nebraska, 2002. Major: Biological Sciences  
MS, Illinois State University, 1996. Major: Biological Sciences  
BS, University of Arizona, 1994. Major: General Biology

## Professional Memberships

Society for Integrative and Comparative Biology. (2017 - Present).  
American Society of Ichthyologists and Herpetologists. (1997 - Present).  
Animal Behavior Society. (1997 - Present).

## Awards and Honors

Favorite Professor, Alpha Chi Honor Society. (Spring 2020).  
College of Science and Engineering Presidential Distinction Award for Excellence in Teaching. (2015).  
College of Science nominee for Presidential Award for Excellence in Teaching. (2010).

## Publications

Kolonin, A. M., Bókony, V., Bonner, T. H., Zúñiga-Vega, J. J., **Aspbury**, A. S., Guzman, A., Cavillo, P., Molina, R. M., Gabor, C. R. (2022). Coping with urban habitats via glucocorticoid regulation: physiology, behavior, and life history in stream fishes. *Integrative and Comparative Biology*

Zúñiga-Vega, J. J., **Aspbury**, A. S., Johnson, J. B., Pollux, B. J. (2022). Editorial: Ecology, evolution, and behavior of viviparous fishes. *Frontiers Ecology and Evolution* 10:832216.

Muraco, J. J., Jr., Monroe, D. J., **Aspbury**, A. S., & Gabor, C. R. (2021). Do females in a unisexual-bisexual species complex differ in their behavioral syndromes and cortisol production? *Biology*, 10(3).

Bókony, V., Ujhegyi, N., Hamow, K., Bosch, J., Thumsová, B., Vörös, J., **Aspbury**, A. S., & Gabor, C. R. (2021). Stressed tadpoles mount more efficient glucocorticoid negative feedback in anthropogenic habitats due to phenotypic plasticity. *Science of the Total Environment*, 753, 141896.

Miner, K. A., Huertas Pau, M. d. M., **Aspbury**, A. S., & Gabor, C. R. (2021). Artificial light at night alters the physiology and behavior of western mosquitofish (*Gambusia affinis*). *Frontiers Ecology and Evolution*.

- Rylander, R., Fritts, S. R., & **Aspbury**, A. S. (2020). Limited dispersal by large juvenile males leads to kin-structured neighborhoods in the black-crested titmouse (*Baeolophus atricristatus*). *Behavioral Ecology and Sociobiology*, 74.
- Kim, D., **Aspbury**, A. S., Zúñiga-Vega, J. J., & Gabor, C. R. (2019). Smaller rival males do not affect male mate choice or cortisol but do affect 11-ketotestosterone in a unisexual-bisexual mating complex of fish. *Behavioural Processes*, 167.
- Aspbury**, A. S., DeColo, S. L., Goff, C. B., & Gabor, C. R. (2019). Turbidity affects association behavior in the endangered fountain darter (Actinopterygii, Perciformes). *Hydrobiologia*, 838(1), 45–54.
- Gabor, C. R., Perkins, H. R., Heitmann, A. T., Forsburg, Z. R., & **Aspbury**, A. S. (2019). Roundup™ with corticosterone functions as an infodisruptor to antipredator response in tadpoles. *Frontiers in Ecology and Evolution*, 7
- Aspbury**, A. S., Grayson, K., Fantaye, S., Nichols, I., Myers-Burton, M., Ortiz-Mangual, X., & Gabor, C. R. (2017). The association between male-biased sex ratio and indicators of stress in red-spotted newts. *Physiology and Behavior*, 173, 156–162.
- DeColo, S., **Aspbury**, A. S., Ostrand, K., & Gabor, C. R. (2016). Male – male interactions and their influence on the mating behavior and success in the fountain darter *Etheostoma fonticola*. *Acta Ethologica*, 19, 15–20.
- Reedy, A. M., Edwards, A., Pendlebury, C., Murdaugh, L., Avery, R., Seidenberg, J., **Aspbury**, A. S., & Gabor, C. R. (2014). An acute increase in the stress hormone corticosterone is associated with mating behavior in both male and female red-spotted newts, *Notophthalmus viridescens*. *General and Comparative Endocrinology*, 208, 57–63.
- Alberici da Barbiano, L., Robinson, R., Tobler, M., **Aspbury**, A. S., & Gabor, C. R. (2014). Differences in resource assimilation between the unisexual Amazon molly, *Poecilia formosa* (Poeciliidae) and its sexual host (*Poecilia latipinna*). *Environmental Biology of Fishes*, 97, 875–880.
- Muraco, J., **Aspbury**, A. S., & Gabor, C. R. (2014). Does male behavioral type correlate with species recognition and stress hormones in a unisexual-bisexual mating complex?. *Behavioral Ecology*, 25, 200–205.
- Kim, D., Waller, J., **Aspbury**, A. S., & Gabor, C. R. (2014). Mating preferences of the gynogenetic Amazon molly differ between populations sympatric with different host species. *Ethology*, 120, 1–9.
- Gabor, C. R., **Aspbury**, A. S., & Rodríguez, R. L. (2013). Geographic variation in behaviour: An introduction. *Evolutionary Ecology Research*, 15, 601–604.
- Gabor, C. R., Alberici da Barbiano, L., & **Aspbury**, A. S. (2013). Geographic variation in male mate choice in a gynogenetic species complex: evaluating long-term data across mating contexts. *Evolutionary Ecology Research*, 15(653-666).
- Alberici da Barbiano, L., Gompert, Z., **Aspbury**, A. S., Gabor, C. R., & Nice, C. (2013). Population genomics reveals a possible history of backcrossing and recombination in the gynogenetic fish *Poecilia formosa*. *Proceedings National Academy of Science*, 110, 13797–13802.
- Swanbrow, L., **Aspbury**, A. S., & Gabor, C. R. (2012). Body size dependent male sexual behavior in a natural population of sailfin mollies (*Poecilia latipinna*). *American Midland Naturalist*, 167, 366–372.
- Alberici da Barbiano, L., Rangel, L., **Aspbury**, A. S., & Gabor, C. R. (2012). Male permissiveness in a unisexual-bisexual mating complex promotes maintenance of a vertebrate unisexual sperm-dependent species. *Behaviour*, 149, 869–879.
- Gabor, C. R., **Aspbury**, A. S., Ma, J., & Nice, C. (2012). The role of androgens in species recognition and sperm production in Atlantic mollies (*Poecilia mexicana*). *Physiology & Behavior*, 105(3), 885–892.
- Gabor, C., Parmley, M., & **Aspbury**, A. S. (2011). Repeatability of female preferences in a unisexual-bisexual mating system. *Evolutionary Ecology Research*, 13, 145–157.
- Robinson, D. M., Konkin-Garcia, T., Espinedo, C. M., Gabor, C. R., & **Aspbury**, A. S. (2011). Seasonal effects on female fecundity and male sperm availability in a thermal stable temperate population of sailfin mollies (*Poecilia latipinna*). *American Midland Naturalist*, 166, 394–403.

- Alberici da Barbiano, L., **Aspbury**, A. S., Nice, C. C., & Gabor, C. R. (2011). The impact of social context on male mate preference in a unisexual-bisexual mating complex. *Journal of Fish Biology*, 79, 194–204.
- Aspbury**, A. S., Coyle, J. M., & Gabor, C. R. (2010). Effect of predation on male mating behaviour in a unisexual-bisexual mating system. *Behaviour*, 53--63.
- Aspbury**, A. S., Espinedo, C. M., & Gabor, C. R. (2010). Lack of species recognition based on chemical cues by male sailfin mollies, *Poecilia latipinna*. *Evolutionary Ecology*, 24, 69–82.
- Espinedo, C., Gabor, C. R., & **Aspbury**, A. S. (2010). Males, but not females, contribute to sexual isolation between two sympatric species of *Gambusia*. *Evolutionary Ecology*, 24, 865–878.
- Gabor, C. R., Gonzalez, R., Parmley, M., & **Aspbury**, A. S. (2010). Variation in male sailfin molly, preference for female size: Does sympatry with sexual parasites drive preference for smaller conspecifics?. *Behavioral Ecology and Sociobiology*, 64, 783–792.
- Robinson, D. M., **Aspbury**, A. S., & Gabor, C. R. (2008). Differential sperm expenditure by male sailfin mollies, *Poecilia latipinna*, in a unisexual--bisexual species complex and the influence of spermiation during mating. *Behavioral Ecology and Sociobiology*, 62(5), 705–711.
- Gabor, C. R., & **Aspbury**, A. S. (2008). Non-repeatable mate choice by male sailfin mollies, *Poecilia latipinna*, in a unisexual-bisexual mating complex. *Behavioral Ecology*, 19, 871–878.
- Aspbury**, A. S. (2007). Sperm competition effects on sperm production and expenditure in sailfin mollies, *Poecilia latipinna*. *Behavioral Ecology*, 18, 776–780.
- Gumm, J. M., Gonzalez, R., **Aspbury**, A. S., & Gabor, C. R. (2006). Do I know you? Species recognition operates within and between the sexes in a unisexual--bisexual species complex of mollies. *Ethology*, 112(5), 448--457.
- Aspbury**, A. S., & Gabor, C. R. (2004). Differential sperm priming by male sailfin mollies (*Poecilia latipinna*): Effects of female and male size. *Ethology*, 110, 193–202.
- Aspbury**, A. S., & Gabor, C. R. (2004). Discriminating males alter sperm production between species. *Proceedings of the National Academy of Sciences*, 101, 15970–15973.
- Aspbury**, A. S., & Gibson, R. M. (2004). Long-range visibility of greater sage grouse leks: a GIS-based analysis. *Animal Behaviour*, 67, 1127–1132.
- Gibson, R. M., **Aspbury**, A., & McDaniel, L. M. (2002). Active formation of mixed-species grouse leks: a role for predation in lek evolution?. *Proceedings of the Royal Society of London B*, 269, 2503–2507.
- Aspbury**, A. S., & Basolo, A. L. (2002). Repeatable female preferences, mating order, and mating success in the poeciliid fish, *Heterandria formosa*. *Behavioral Ecology and Sociobiology*, 51, 238–244.
- Aspbury**, A. S., & Juliano, S. A. (1998). Negative effects of habitat drying and prior exploitation on the detritus resource in an ephemeral aquatic habitat. *Oecologia*, 115(1-2), 137--148.

## Conference Proceedings

- Chester, S., **Aspbury**, A. S., & Gabor, C. R. (2021). Land use conversion affects life-history traits of western mosquitofish. *Integrative and Comparative Biology*, 61.
- Perez, A., Gabor, C. R., & **Aspbury**, A. S. (2021). Urbanization affects individual behavior and cognition in *Gambusia affinis*. *Integrative and Comparative Biology*, 61.
- Gabor, C. R., **Aspbury**, A. S., Ujhegy, N., & Bokony, V. (2020). Environmental variation from land use conversion affects stress in tadpoles. *Integrative and Comparative Biology*, 60.
- Guzman, A. V., Kolonin, A., **Aspbury**, A. S., & Gabor, C. R. (2020). Land Use Conversion Affects Stress Physiology and Life-History of Western Mosquitofish. *Integrative and Comparative Biology*, 60.
- Molina, R., Kolonin, A. S., **Aspbury**, A. S., & Gabor, C. R. (2020). Western Mosquitofish Social Behavior Varies with Levels of Land Use Conversion. *Integrative and Comparative Biology*, 60.

Kolonin, A., Calvillo, P., Aspbury, A. S., & Gabor, C. R. (2019). Land Use Conversion Affects Stress and Life-History of Stream Fish. *Integrative and Comparative Biology*, 59

Perkins, H., Heitmann, A., Aspbury, A. S., & Gabor, C. R. (2018). Synergistic effects of Roundup and corticosterone on antipredator responses of *Incilius nebulifer* tadpoles. *Integrative and Comparative Biology*, 58

## Presentations

Romero, E. A., Gabor, C. R., Aspbury, A. S. Society of Integrative and Comparative Biology, "Effects of urbanization on life-history traits and hormones of Western mosquitofish." (2022).

Perez, A., Gabor, C.R., & Aspbury, A.S. Society of Integrative and Comparative Biology, "Urbanization affects individual behavior and cognition in *Gambusia affinis*." (2021).

Chester, S., Aspbury, A. S., & Gabor, C.R., Society of Integrative and Comparative Biology, "Land use conversion affects life-history traits of western mosquitofish." (2021).

Rylander, R. J., Fritts, S. R., Aspbury, A., Weckerly, F., Simpson, T. R., Patten, M., Annual Conference, "Welcome to suburbia: the effects of urbanization on a kin-structured songbird," Texas Chapter of The Wildlife Society, Virtual. (2021).

Perez, A., Gabor, C. R., & Aspbury, A.S. Animal Behavior Society Conference, "Urbanization affects individual behavior and cognition in *Gambusia affinis*." (2020).

Gabor, C. R., Aspbury, A. S., Ujhegy, N., & Bókony, V., Society of Integrative and Comparative Biology, "Environmental variation from land use conversion affects stress in tadpoles." (2020).

Molina, R., Kolonin, A., Aspbury, A. S., & Gabor, C. R., Society of Integrative and Comparative Biology, "Western mosquitofish social behavior varies with levels of land use conversion." (2020).

Perkins, H., Heitmann, A., Aspbury, A. S., Gabor, C. R., Society for Integrative and Comparative Biology, "Synergistic effects of Roundup and corticosterone on antipredator responses of *Incilius nebulifer* tadpoles." (2018).

Aspbury, A. S., Gabor, C. R., International Conference of Comparative Endocrinology, "The association between male-biased sex ratio and indicators of stress in red-spotted newts," Lake Louise, Alberta, Canada. (2017).

Aspbury, A. S., "Reflections and Future Directions in Biology Research and Education," National Science Foundation, DBI, Washington, DC, United States. (2017).

Aspbury, A. S., "Operational sex ratio and mating affect a stress hormone in male and female red-spotted newts," University of Canterbury, Christchurch, New Zealand. (2016).

Aspbury, A. S., Animal Behavior Society, "Are red-spotted newts stressed during the mating season when OSR is male biased?," Columbia, MO, United States. (2016).

Aspbury, A. S., "Operational sex ratio and mating affect a stress hormone in male and female red-spotted newts," Mountain Lake Biological Station, Pembroke, VA. (2015).

Kim, D., Aspbury, A. S., Gabor, C. R., International Society for Behavioral Ecology Meeting, "Effect of competitors on male mate choice for conspecific or heterospecific females: Proximate regulation by cortisol and an androgen in a unisexual-bisexual complex of fish," New York. (2014).

Aspbury, A. S., "The paradoxical maintenance of a vertebrate gynogenetic species: insights from variation in species recognition," Mountain Lake Biological Station, Pembroke, VA. (2013).

Aspbury, A. S., "The paradoxical maintenance of a vertebrate gynogenetic species: insights from variation in species recognition," Department of Biology, Trinity University, San Antonio, TX. (2013).

Aspbury, A. S., Kim, D., Waller, J., Gabor, C. R., Animal Behavior Society Meeting, "Female preference for familiarity vs. LPA by gynogens in a unisexual-bisexual mating complex," Boulder, CO. (2013).

- Alberici da Barbiano, L., Robinson, R., Tobler, M., Aspbury, A. S., Gabor, C. R., Second Texas Poeciliid Conference, "Differences in resource assimilation between a sperm-dependent unisexual species and its sexual host," Austin, TX. (2012).
- Alberici da Barbiano, L., Pena, K., Aspbury, A. S., Gabor, C. R., Texas Poeciliid Conference, "Effects of heterospecific encounters on stress hormone levels in a unisexual-bisexual mating complex," Austin, TX. (2012).
- Muraco, J., Aspbury, A. S., Gabor, C. R., Second Texas Poeciliid Conference, "Male behavioral type and its correlates with species recognition and hormone production in a unisexual-bisexual mating complex," Austin, TX. (2012).
- Aspbury, A. S., Alberici da Barbiano, L., Rangel, L., Gabor, C. R., Animal Behavior Society Meeting, "Male permissiveness in a unisexual-bisexual mating complex," Albuquerque, NM. (2012).
- Alberici da Barbiano, L., Gompert, Z., Buerkle, A., Aspbury, A. S., Gabor, C. R., Nice, C., Texas Poeciliid Conference, "Phylogeography of a unisexual-bisexual mating complex: a population genomics approach." (2012).
- Gabor, C. R., Aspbury, A., Nice, C. C., Texas Poeciliid Conference, "The role of androgens in species recognition and sperm production in Atlantic mollies (*Poecilia mexicana*)." (2012).
- Aspbury, A., "Effect of hormones on male sperm production in a unisexual-bisexual mating system," Physiology and Behavior, University of Texas-Austin, Austin, TX. (2011).
- Gabor, C.R., Aspbury, A., Animal Behavior Society Meeting, "Geographic variation in mate choice in a unisexual-bisexual complex," Bloomington, IN. (2011).
- Alberici da Barbiano, L. A., Gompert, Z., Buerkle, A., Gabor, C. R., Aspbury, A., Nice, C., JMIH Conference, "Phylogeography of a Unisexual-bisexual Mating System." (2011).
- Alberici da Barbiano, L.A., Nice, C., Aspbury, A., Gabor, C. R., Animal Behavior Society Meeting, "The impact of social context on male mate preference in a unisexual-bisexual mating complex," Bloomington, IN. (2011).
- Aspbury, A. S., "Unraveling the paradox of the maintenance of vertebrate asexuals," Behavior, Ecology, Evolution and Systematics Program, Illinois State University, Normal, IL. (2010).
- Aspbury, A. S., "Unraveling the paradox of the maintenance of vertebrate asexuals," Department of Earth and Environmental Sciences, University of New Orleans, New Orleans, LA. (2010).
- Gabor, C. R., Ma, J., Aspbury, A. S., Animal Behavior Society 47th Meeting, "Androgen response in a unisexual-bisexual mating complex," Williamsburg, VA. (2010).
- Alberici da Barbiano, L., Gompert, Z., Aspbury, A. S., Gabor, C. R., Nice, C., Annual Ecological Integration Symposium, "Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model," Texas A&M University. (2010).
- Alberici da Barbiano, L., Gompert, Z., Aspbury, A. S., Gabor, C. R., Nice, C., Evolution Annual Meeting, "Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model," Portland, OR. (2010).
- Alberici da Barbiano, L., Gompert, Z., Aspbury, A. S., Gabor, C. R., Nice, C., Texas Academy of Sciences Conference, "Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model." (2010).
- Alberici da Barbiano, L., Gompert, Z., Aspbury, A. S., Gabor, C. R., Nice, C., Wise Conference, "Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model," Texas State University. (2010).
- Rangel, L. I., Gabor, C. R., Aspbury, A. S., Animal Behavior Society 47th Meeting, "Permissiveness of males in a unisexual-bisexual mating complex," Williamsburg, VA. (2010).
- Ma, J., Aspbury, A. S., Gabor, C. R., Animal Behavior Society 47th Meeting, "Sperm priming, 11-ketotestosterone, and male mate preference in *Poecilia mexicana*," Williamsburg, VA. (2010).

- Aspbury, A. S., Coyle, J. M., Gabor, C. R., Animal Behavior Society 46th Meeting, "Effect of predation on male mating behavior in a unisexual-bisexual mating system," Pirenopolis, Brazil. (2009).
- Alberici da Barbiano, L.A., Aspbury, A. S., Gabor, C. R., Gompert, Z., Nice, C.C., Texas Poeciliid Biologist Conference, "Metapopulation dynamics and sperm storage: a simulation model to explain the maintenance of *Poecilia formosa*," San Marcos, TX. (2009).
- Parmley, M., Gabor, C. R., Aspbury, A. S., Animal Behavior Society 46th Meeting, "Sexually parasitic unisexual Amazon molly mate preference for large males: sensory bias or direct benefits?," Pirenopolis, Brazil. (2009).
- Gabor, C. R., Aspbury, A. S., Evolution Meeting, "Male preference functions based on female size in the sailfin molly, *Poecilia latipinna*: bigger is not always better," Minneapolis, MN. (2008).
- Espinedo, C. M., Gabor, C. R., Aspbury, A. S., Evolution Annual Meeting, "Symmetrical isolation: A tale of two species," Minneapolis, MN. (2008).
- Aspbury, A. S., "Sperm competition effects on sperm production and expenditure in sailfin mollies, *Poecilia latipinna*," Sam Houston State University, Huntsville, TX. (2007).
- Espinedo, C. M., Aspbury, A. S., Gabor, C. R., Animal Behavior Society 44th Meeting, "Male mate choice in *Gambusia*," Burlington, VT. (2007).
- Alberici da Barbiano, L., Gabor, C. R., Aspbury, A. S., Nice, C., Animal Behavior Society 44th Meeting, "Unisexual-bisexual mating systems: Is male fitness influenced by the frequency of unisexual heterospecific females?," Burlington, VT. (2007).
- Aspbury, A. S., "Species recognition versus mate quality recognition in a unisexual-bisexual system: Asexuals looking for sperm," Dept. of Biological Sciences, Illinois State University, Normal, IL. (2006).
- Robinson, D., Aspbury, A. S., Gabor, C. R., Evolutionary Behavioral Ecologists Regional Annual Meeting, "Differential sperm expenditure between species in the sailfin molly, *Poecilia latipinna*," Lake Texoma, OK. (2006).
- Espinedo, C., Aspbury, A. S., Gabor, C. R., Evolutionary Behavioral Ecologists Regional Annual Meeting, "Effect of chemical vs. visual cues on sperm priming in sailfin mollies, *Poecilia latipinna*," Lake Texoma, OK. (2006).
- Robinson, D., Aspbury, A. S., Gabor, C. R., "Rapid spermiation during mating by male sailfin molly, *Poecilia latipinna*," International Society for the Study of Behavioral Ecology, Tours, France. (2006).
- Aspbury, A. S., "Varying perception of operational sex ratio influences male sperm production and expenditure in sailfin mollies, *Poecilia latipinna*," International Society for the Study of Behavioral Ecology, Tours, France. (2006).
- Espinedo, C. M., Gabor, C. R., Aspbury, A. S., Animal Behavior Society 42nd Meeting, "Analyzing the significance of chemical versus visual cues for species recognition in male sailfin mollies," Snowbird, UT. (2005).
- Robinson, D., Aspbury, A. S., Gabor, C. R., Animal Behavior Society 42nd Meeting, "Differential sperm allocation in the sailfin molly, *Poecilia latipinna*," Snowbird, UT. (2005).
- Gonzalez, R., Gabor, C. R., Aspbury, A. S., Animal Behavior Society 42nd Meeting, "Differential sperm transfer in relation to size in sailfin mollies, *Poecilia latipinna*," Snowbird, UT. (2005).
- Aspbury, A. S., "Behavioral ecology of male mating strategies in birds and fish," Section of Integrative Biology, University of Texas Austin, Austin, TX. (2004).
- Aspbury, A. S., Gabor, C. R., Joint Meeting of the American Society of Ichthyologists and Herpetologists, "Differential sperm priming by male sailfin mollies (*Poecilia latipinna*): effects of male size, female size and female species," Norman, OK. (2004).
- Aspbury, A. S., "Behavioral ecology of male mating strategies in birds and fish," Department of Biology, Southwestern University, Georgetown, TX. (2003).

- Aspbury, A. S., "Visibility of sage grouse leks: interacting effects of mate attraction and predator avoidance?," Department of Biology, University of Louisiana at Lafayette, Lafayette, LA. (2003).
- Aspbury, A. S., Gabor, C. R., Animal Behavior Society 40th Meeting, "Differential sperm priming by male sailfin mollies (*Poecilia latipinna*)," Boise, ID. (2003).
- Aspbury, A. S., Gabor, C. R., First European Conference of Poeciliid Biologists, "Differential sperm priming by male sailfin mollies (*Poecilia latipinna*)," Zurich, Switzerland. (2003).
- Aspbury, A. S., "Visibility of sage grouse leks: interacting effects of mate attraction and predator avoidance?," Department of Biology, Southwest Texas State University, San Marcos, TX. (2002).
- Aspbury, A. S., Gibson, R. M., United States Regional Association of the International Association of Landscape Ecology Annual Meeting, "Ecological mechanisms underlying mixed species lek formation in prairie grouse," Lincoln, NE. (2002).
- Aspbury, A. S., Gibson, R. M., Animal Behavior Society 39th Meeting, "Sage grouse lek at sites with low visibility," Bloomington, IN. (2002).
- Aspbury, A. S., Gibson, R. M., American Ornithological Union Meeting, "Ecological mechanisms underlying mixed species lek formation in prairie grouse," Seattle, WA. (2001).
- Aspbury, A. S., Gibson, R. M., Animal Behavior Society 38th Meeting, "Ecological mechanisms underlying mixed species lek formation in prairie grouse," Corvallis, OR. (2001).
- Aspbury, A. S., Gibson, R. M., Initiative for Ecological and Evolutionary Analysis Meeting, "Ecological mechanisms underlying mixed species lek formation in prairie grouse," Lincoln, NE. (2001).
- Aspbury, A. S., Gibson, R. M., Animal Behavior Society 37th Meeting, "Mechanisms of mixed species lek formation in prairie grouse," Atlanta, GA. (2000).
- Aspbury, A. S., Basolo, A. L., Annual Meeting of the Society for the Study of Evolution, "Post- copulatory sexual selection in poeciliid fish," Madison, WI. (1999).
- Aspbury, A. S., Juliano, S. A., Annual Meeting of the Ecological Society of America, "Effects of habitat drying and a prior non-overlapping cohort on growth and development of *Aedes triseriatus*," Providence, RI. (1996).
- Aspbury, A. S., Juliano, S. A., Illinois State University Graduate Research Symposium, "Effects of habitat drying and prior cohort on *Aedes triseriatus*," Normal, IL. (1996).

## **Contract, Fellowships, Grants and Sponsored Research**

- Galloway, H. C. (Principal), Olmstead, A. R. (Co-Principal), Ojeda-Ruiz, I. (Co-Principal), Aspbury, A. S. (Co-Principal), Feng, L. (Co-Principal), Close, E. W. (Supporting), Patterson, C. L. (Supporting), Luxford, C. J. (Supporting), Lewis, K. A. (Supporting), Nierth, E. N. (Supporting), "Bobcat Aspiring Scholars in STEM (BASS)," Sponsored by National Science Foundation, Federal, \$1,500,000.00. (In Preparation 2021-2022).
- Gabor, C. (Principal), Aspbury, A. S. (Co-Principal), Fuess, L. E. (Co-Principal), Carlos-Shanley, C. (Co-Principal), "Integrative approach to understand how multi-scalar shifts contribute to adaptive responses to stream urbanization over space and time," Sponsored by National Science Foundation, Federal, \$1,545,420.00. (Submitted 2021).
- Aspbury, A. S. (Supporting), "Freshman Research Initiative: Comprehensive Underpinnings Backing Educational Development," Sponsored by National Science Foundation, Federal. Not funded. (2018)
- Aspbury, A. S., "Pedagogical approaches to teaching scientific communication and behavioral ecology," Sponsored by Fulbright, Federal. Not funded. (2019)
- Aspbury, A. S., "Catalytic Research Grant," Sponsored by Biology Leadership Conference, Private / Foundation / Corporate, \$5,000.00. (2013). Funded.
- Aspbury, A., Gabor, D. C., Nice, C. C., "REU Supplement," Sponsored by National Science Foundation, Federal, \$6,000.00. (2013). Funded

Aspbury, A. S., Gabor, C. R., Nice, C. C., "The Maintenance of Unisexuality: Behavior, Hormones and Genetics in a Unisexual-Bisexual Mating System," Sponsored by National Science Foundation, Federal, \$350,000.00. (2010 - 2013). Funded

Aspbury, A. S., Gabor, C. R., Nice, C. C., "REU Supplement," Sponsored by National Science Foundation, Federal, \$6,000.00. (2012). Funded

Aspbury, A. S., Gabor, C. R., Nice, C. C., "REU Supplement," Sponsored by National Science Foundation, Federal, \$6,000.00. (2011). Funded

Aspbury, A. S. (Co-Principal), Gabor, C. R., "Species Recognition vs Mate Quality Recognition in a Unisexual-Bisexual Mating System: Asexuals Looking for Sperm," Sponsored by National Science Foundation, Federal, \$299,477.00. (2004 - 2008). Funded

Gabor, C. R. (Principal), Aspbury, A. S. (Co-Principal), Nice, C. (Co-Principal), "Ecological and Evolutionary Perspectives on the Maintenance of Unisexual Gynogens: Behavioral Implications," Sponsored by National Science Foundation, Federal, \$399,975.00. (2007). Not Funded

Aspbury, A. S. (Co-Principal), Gabor, C. R., "REU Supplement," Sponsored by National Science Foundation, Federal, \$6,000.00. (2006). Funded

Gabor, C. (Principal), Aspbury, A. S. (Co-Principal), Nice, C. (Co-Principal), "RET Supplement," Sponsored by NSF-DIB, Federal, \$5,890.00. (2005). Funded

Aspbury, A. S. (Co-Principal), Gabor, D. C., "REU Supplement," Sponsored by National Science Foundation, Federal, \$5,890.00. (2005). Funded

## **Teaching Experience**

### **Directed Student Learning**

Dissertation. (October 2021 - Present). Committee Member: Dillon Monroe

Honor's Thesis. (October 2021 - Present). Advised: Jade Mack

Master's Thesis. (October 2021 - Present). Committee Member: Jared Ryan

Master's Thesis. (October 2021 - Present). Committee Member: Steven Lopez

Master's Thesis. (July 2021 - Present). Committee Member: Kyndal Irwin

Master's Thesis. (October 2020 - Present). Committee Member: Elizabeth Kurpiers

Master's Thesis. (January 2020 - Present). Committee Member: Robert Finer

Dissertation. (2017 - October 2021). Committee Member: Rebekah Rylander

Honor's Thesis. (September 2020 - May 2021). Advised: Emily Blumentritt

Independent Study. (May 2020 - January 2021). Advised: Shelby Chester

Master's Thesis. (2018 - 2020). Committee Member: Krystie Miner

Dissertation. (2016 - 2020). Committee Member: Zachary Forsburg

Master's Thesis. (2017 - 2019). Committee Member: McKenna Bristow

Dissertation. (2016 - 2019). Committee Member: Son Young (Diana) Kim

Independent Study. (May 2019 - August 2019). Advised: Roberto Molina

Independent Study. (November 2017 - May 2019). Advised: Shante Williams

Master's Thesis. (2017 - 2018). Committee Member: Christina Farrell

Honor's Thesis. (2015 - 2018). Advised: Austin Heitmann

Independent Study. (May 2018 - August 2018). Advised: Pilo Calvillo



Independent Study. (December 2016 - May 2017). Advised: Callie McSpadden  
Master's Thesis. (2015). Committee Member: Rebekah Rylander  
Dissertation. (May 2015). Committee Member: Chelsea Blake  
Master's Thesis. (2014). Committee Member: Sophia DeColo  
Dissertation. (2013). Committee Member: Jeff Troy  
Dissertation. (2012). Committee Member: Laura Alberici da Barbiano  
Master's Thesis. (2012). Committee Member: Drew Davis  
Master's Thesis. (2012). Committee Member: Jim Muraco  
Master's Thesis. (2011). Committee Member: Chris Warren  
Master's Thesis. (2011). Committee Member: Jacki Ma  
Dissertation. (2010). Committee Member: Kristen Epp  
Master's Thesis. (2009). Committee Member: Vinny Farallo  
Master's Thesis. (2009). Committee Member: Zachary Holderby  
Master's Thesis. (2008). Committee Member: Celeste Espinedo  
Master's Thesis. (2007). Committee Member: Rosie Gonzalez  
Master's Thesis. (2006). Committee Member: Donelle Robinson

## **Teaching Innovation and Curriculum Development**

Course Redesign. Organismal Biology Lecture. January 2021 - Present.  
Curriculum Development. Organismal Biology Lecture and Lab. 2005 - Present.  
Revise Existing Course. Organismal Biology -- Honors. 2016 - Present.  
Revise Existing Course. BIO 5100 Professional Development. 2017 - Present.  
Revise Existing Course. Animal Behavior. 2017, 2019, 2021.

## **Faculty Development Activities Attended**

### **Continuing Education Programs**

"Biology Leadership Conference." (March 2021).  
"Quality Matters: Designing Your Online Course." (August 22, 2019).  
"Culturally Aware Mentoring," SURE Program. (July 26, 2019).  
"Culturally Aware Mentoring," SURE Program. (June 8, 2018).  
"Mentor Training," SURE Program. (April 21, 2018).  
"Foundations in Online and Hybrid Course Design," Texas State University. (December 2016 - January 2017).  
"Biology Leadership Conference," New Orleans, LA. (March 2016).  
"Biology Leadership Conference," Austin, TX. (2015).  
"Biology Leadership Conference," Amelia Island, FL. (2014).  
"SXSW.edu," Austin, TX. (2014).  
"Biology Leadership Conference," Tucson, AZ. (2013).  
"MasteringBiology Development Summit," San Francisco, CA. (2013).

"SXSW.edu," Austin, TX. (2013).

"Biology Leadership Conference," Kiawah Island, SC. (2012).

"Course Redesign Conference," Orlando, FL. (2011).

"Infusing Sustainability into the Curriculum Workshop," San Marcos, TX. (2010).

"Strategies for Success Professional Development Workshop," Dallas, TX. (2010).

"Biology Leadership Conference," Tucson, AZ. (2009).

"Course Redesign Workshop," Miami, FL. (2009).

"Science Education Workshop for Life Science and Chemistry," Houston, TX. (2008).

### **Institutes**

"2021 STEM Communities Summer Institute," STEM Communities. (May 19, 2021 - May 28, 2021).

### **Workshops**

"Parts 1- 4: Transforming Our Teaching Using Classroom Observations," STEM Communities, Texas State University. (February - April 2021).

"Understanding First-Generation LatinX Student Experiences," STEM Communities. (March 2021).

"Confronting Racism in Our STEM Fields," STEM Communities. (February 2021).

"How Do We Support Each Other This Spring Semester?" STEM Communities. (January 2021).

"Sharing Strategies for Engaging Students Online," STEM Communities. (January 2021).

Parts 1- 4: "Improving Our Teaching and Normalizing Feedback" STEM Communities. Texas State University (October - November 2020).

"Summer 2020 STEM Teaching Workshop," STEM Communities. (May 18, 2020 - May 22, 2020).

"Supporting Transgender/Non-binary Students," Texas State University. (October 2018).

"Allies Training," Texas State University-San Marcos, San Marcos. (June 2017).

"Do Your Students Get It? Find out with Student Response Systems," Texas State University. (November 2016).

"College Mental health," Texas State University. (September 2016).

"Student Learning Outcomes Assessment," Texas State University. (September 2016).

"Catalytic Grant working group meeting," University of North Carolina. (2013).

### **University Service**

Member, OSTEM (Out in Science, Technology, Engineering and Math). (2021 - Present).

Participant, OSTEM Faculty/Student Roundtable. (October 2021).

Co-Chair, Department of Biology Learning Assistants Program. (2020 - Present).

Co-Chair, Freshman Biology Course Redesign. (January 2020 - Present).

Member, Undergraduate Research Fellowship Review Committee. (August 2019 - Present).

Member, Justice, Equity, Diversity, and Inclusion. Biology Department (2019 - Present).

Member, Piper Award Committee. Texas State University (2019 - Present).

Member, Bobcat Day representative for Biology Department. (2017 - Present).

Member, Curriculum Committee. Biology Department (September 1, 2016 - Present).

Chair, Biology Department General Education Core Curriculum and SACS Data Coordinator. (2008 - Present).

Judge, WISE research symposium. (2017 - 2020).

Judge, Honor's College undergraduate research symposium. (2017).

Member, Senior Lecturer Anatomy and Physiology Job Search. (November 10, 2016 - April 2017).

Member, Strategic Plan committee: IA Salaries. (2016).

Member, Strategic Plan Committee: Lab and Field course support. (2016).

Organizer, Undergrad Large Class Pedagogy and Learning Strategies. (2016).

Judge, Graduate Student Research Conference. (October 2016).

Member, Department of Biology IA Award Committee. (2011 - 2015).

Judge, Biology Colloquium. (2007 - 2008),

Host, seminar speaker for biology department. (2008, 2009, 2010, 2014).

Organizer, Ecology, Evolution, Behavior meetings. (2009).

## **Professional Service**

Editorial Review Board Member, *Frontiers in Ecology and Evolution*. (2021 - 2022).

Reviewer / Referee: *Behavioral Ecology*. (2005 - 2021), *Behaviour*. (2005 - 2021), National Science Foundation (NSF). (2005 - 2021), Oxford (*Writing about Biology*). (2005 - 2021), Pearson (*Biology, Freeman 2nd - 8th edns*). (2005 - 2021), *Ethology Ecology & Evolution*. (2020), *Animal Behavior Student in Aid Grants*. (2011 - 2019), *Animal Behaviour*. (2005 - 2019), *Journal of Ethology*. (2018), *PLoS One*. (2018), National Science Foundation: DDIG. (2016), *Behavioral Ecology and Sociobiology*. (2015), *Naturwissenschaften*. (2014), *Current Biology*. (2012), National Sciences and Engineering Research Council of Canada (NSERC). (2012), The Royal Society of New Zealand (*Te Putea Rangahau a Marsden*). (2012), *BMC Evolutionary Biology*. (2011), *Evolutionary Ecology*. (2008 - 2010), McGraw-Hill (*Biology 1st edn*). (2005 - 2008), *Aquatic Ecology*. (2007), *Heredity*. (2007), *Ethology*. (2006 - 2007), *Acta Ethologica*. (2006), WW Norton (*Animal Behavior*). (2005 - 2006), Benjamin Cummings (*Biology 8th edn.*). (2005), *Journal of Mammalogy*. (2005), *AW (Introductory Ecology)*. (2005), Prentice Hall (*Animal Behavior*). (2005), *Proceedings of the Royal Society of London*. (2005), *Zebrafish*. (2005).

Panel Member, National Science Foundation: GRFP. (2011 - 2020); National Science Foundation: IOS. (2016).

Prepare / Grade Certification Exams, TExES exam. (2008 - 2015).

Chair, Wayside Schools Science and Math Night. (August 2016 - 2021).

Judge, Wayside Schools Science Fair. (2015 - 2021); Ann Richards School for Young Women Leaders STEM Challenge. (October 2019), Society for Advancement of Chicanos and Native Americans in Science. (2004).

Speaker, Central Texas chapter of AWIS. (2012); Wimberley Birder's Club. (2011)