

**Dr. Andrea Aspbury**  
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### Professional Positions

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- Professor of Instruction, Texas State University 2024 – Present
- Senior Lecturer, Texas State University. 2005 – 2024
- Adjunct Doctoral Graduate Faculty, Texas State University. 2003 – Present
- Guest Lecturer, Etvös Lorand University. Spring 2019
- Faculty, Mountain Lake Biological Station. Summer 2013/15
- Lecturer, University of Texas. 2002 – 2005
- Post-doctoral Research Associate, Texas State University. 2002 – 2004

### Education

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

### Professional Memberships

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- Society for Integrative and Comparative Biology. 2017 – Present
- Animal Behavior Society 1998 – Present

### Awards and Honors

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- College of Science & Engineering nominee Presidential Award for Excellence in Service 2024
- Favorite Professor, Alpha Chi Honor Society. 2020
- College of Science & Engineering Presidential Distinction Award for Excellence in Teaching 2015
- College of Science nominee Presidential Award for Excellence in Teaching. 2010

### Publications

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- Panahi Barough, S.H., Aspbury, A.S., Suárez-Rodríguez, M., Zúñiga-Vega, J.J. (2024). Hormonal Dynamics of Matrotrophy vs. Lecithotrophy in Live-Bearing Fish Reproduction. *Comparative Biochemistry and Physiology, Part A*
- Rylander, R. J., **Aspbury**, A.S., Simpson, T. R., Weckerly, F., Patten, M., & Fritts, S. R. (2024). Black-crested Titmice (*Baeolophus atricristatus*) initiate nesting earlier in urbanized landscapes but have variable nesting success depending on the level of urbanization. *The Wilson Journal of Ornithology*. <https://doi.org/10.1676/23-00007>
- Lopez, S. G., **Aspbury**, A. S., Fritts, S. R., Tidwell, T., Bonner, T. H. (2023). Long-term patterns in inland fish kills associated with cold-shock and winter stress: a regional case study from Texas. *J Fish Biol* 103, 472-480. doi: 10.1111/jfb.15435
- Kolonin, A. M., Bókony, V., Bonner, T. H., Zúñiga-Vega, J. J., **Aspbury**, A. S., Guzman, A., Calvillo, 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* 62, 109-113. <https://doi.org/10.1093/icb/icac002>
- 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. doi.org/10.3389/fevo.2022.832216
- 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

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- Aspbury**, A. S., Gabor, C. R., Levings, S. (2023). Role of urbanization on life history traits, cognition, physiology, and morphology of *Gambusia*. *Integrative and Comparative Biology*, 63.
- Romero, E. A., Gabor, C. R., **Aspbury**, A. S. (2022). Effects of urbanization on life-history traits and hormones of Western mosquitofish. *Integrative and Comparative Biology*, 62.
- 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 *Inciilius nebulifer* tadpoles. *Integrative and Comparative Biology*, 58.

## Presentations

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- Aspbury, A. S., Gabor, C. R., Levings, S.** Society of Integrative and Comparative Biology. "Role of urbanization on life history traits, cognition, physiology, and morphology of *Gambusia*." (2023)
- Aspbury, A. S., Nierth, E., Galloway, H., Close, E. Feng, L., Luxford, C., Olmstead, A., Ramey II, C.** Biology Leadership Conference. "Involving a Community of Undergraduate Learning Assistants and Faculty in the Redesign of Introductory Biology Courses at a Hispanic Serving Institution" (2022)
- Gabor, C. R., Levings, S., Chester, S., Miller, O. Romero, E.A., & **Aspbury, A. S.** International Poeciliid Conference. "Role of urban stream syndrome on life history traits and morphology of *Gambusia affinis*." (2022)
- 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 uni-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

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- Fritts, S. R., **Aspbury, A. S.** "Experimental testing of a novel hypothesis regarding bat attraction to wind turbines." Research Enhancement Program Grant, Texas State University. \$16,000. Funded 2022-2023.
- 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. (Not Funded 2022).
- Gabor, C. (Principal), **Aspbury, A. S.** (Co-Principal), Fuess, L. E. (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. Not Funded (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

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- Dissertation. Committee Member: Kyndal Irwin 2023 – present
- Dissertation. Committee Member: Pema Khandu 2023 – present
- Master's Thesis. Committee Member: Elisa Williams 2023– present
- Master's Thesis. Committee Member: Jared Ryan 2021 – present
- Dissertation. Committee Member: Dillon Monroe 2021 – 2023
- Honor's Contract Course. Advisor: Sophia Kottke Fall 2023
- Honor's Thesis. Second Reader: Maddie Benoit Fall 2023
- Master's Thesis. Committee Member: Saied Panahi 2022 – 2023
- Master's Thesis. Committee Member: Skyler Shibuya 2022 – 2023
- Master's Thesis. Committee Member: Megan Martinski 2022– 2023
- Master's Thesis. Committee Member: Meg Flanagan 2021 – 2023
- Master's Thesis. Committee Member: Kyndal Irwin 2021 – 2023
- Master's Thesis. Committee Member: Jacob Smith 2021 – 2023
- Master's Thesis. Committee Member: Robert Finer 2020 – 2023
- Master's Thesis. Committee Member: Steven Lopez 2021 – 2022
- Master's Thesis. Committee Member: Elizabeth Kurpiers 2020 – 2022
- Dissertation. Committee Member: Rebekah Rylander 2017 – 2021
- Honor's Thesis. Advised: Emily Blumentritt 2020 – 2021
- Independent Study. Advised: Shelby Chester 2020 – 2021
- Master's Thesis. Committee Member: Krystie Miner 2018– 2020
- Dissertation. Committee Member: Zachary Forsburg 2016 – 2020
- Master's Thesis. Committee Member: McKenna Bristow 2017 – 2019
- Dissertation. Committee Member: Son Young Kim 2016 – 2019
- Independent Study. Advised: Roberto Molina Summer 2019
- Independent Study. Advised: Shante Williams 2017 – 2019
- Master's Thesis. Committee Member: Christina Farrell 2017 – 2018
- Honor's Thesis. Advised: Austin Heitmann 2015 – 2018
- Independent Study. Advised: Callie McSpadden 2016 – 2017
- Independent Study. Advised: Pilo Calvillo Summer 2018
- Master's Thesis. Committee Member: Rebekah Rylander 2015
- Dissertation. Committee Member: Chelsea Blake 2014 – 2015
- Master's Thesis. Committee Member: Sophia DeColo 2013 – 2014
- Dissertation. Committee Member: Jeff Troy 2011 – 2013
- Dissertation. Committee Member: Laura Alberici da Barbiano 2009 – 2012
- Master's Thesis. Committee Member: Drew Davis 2011 – 2012
- Master's Thesis. Committee Member: Jim Muraco 2011 – 2012
- Master's Thesis. Committee Member: Chris Warren 2010 – 2011
- Master's Thesis. Committee Member: Jacki Ma 2010 – 2011
- Dissertation. Committee Member: Kristen Epp 2007 – 2010
- Master's Thesis. Committee Member: Vinny Farallo 2008 – 2009
- Master's Thesis. Committee Member: Zachary Holderby 2008 – 2009
- Master's Thesis. Committee Member: Celeste Espinedo 2007 – 2008
- Master's Thesis. Committee Member: Rosie Gonzalez 2006 – 2007
- Master's Thesis. Committee Member: Donelle Robinson 2005 – 2006



## Teaching Innovation and Curriculum Development

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- Course Redesign. Organismal Biology Lecture. 2021 – Present
- Curriculum Development. Organismal Biology Lecture and Lab. 2005 – 2022
- Revise Existing Course. Organismal Biology -- Honors. 2016 – Present
- Revise Existing Course. BIO 5100 Professional Development. 2017 – 2021
- Revise Existing Course. Animal Behavior. 2017, -19, -21, -23.

## Faculty Development Activities Attended

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### Continuing Education Programs

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- Biology Leadership Conference, Tucson, AZ. April 2024
- STEM Communities Summer Institute, Texas State University. May 2023
- Biology Leadership Conference, Raleigh, NC. April 2023
- STEM Communities Summer Institute, Texas State University. May 2022
- Biology Leadership Conference, Phoenix, AZ. April 2022
- STEM Communities Summer Institute, Texas State University. May 2021
- Biology Leadership Conference, Online. March 2021
- STEM Communities Summer Institute, Texas State University. May 2020
- Quality Matters: Designing Your Online Course. August 2019
- Culturally Aware Mentoring, SURE Program. July 2019
- Culturally Aware Mentoring, SURE Program. June 2018
- Biology Leadership Conference, Orlando, FL. February 2018
- Mentor Training, SURE Program. April 2018
- Foundations in Online & Hybrid Course Design, Texas State University. January 2017
- Biology Leadership Conference, New Orleans, LA. March 2016
- Biology Leadership Conference, Austin, TX. March 2015
- Biology Leadership Conference, Amelia Island, FL. March 2014
- SXSW.edu, Austin, TX. March 2014
- Biology Leadership Conference, Tucson, AZ. March 2013
- MasteringBiology Development Summit, San Francisco, CA. February 2013
- SXSW.edu, Austin, TX. March 2013
- Catalytic Grant working group meeting, University of North Carolina. August 2013
- Biology Leadership Conference, Kiawah Island, SC. March 2012
- Course Redesign Conference, Orlando, FL. March 2011
- Infusing Sustainability into the Curriculum Workshop, San Marcos, TX. May 2010
- Strategies for Success Professional Development Workshop, Dallas, TX. March 2010
- Biology Leadership Conference, Tucson, AZ. March 2009
- Course Redesign Workshop, Miami, FL. September 2009
- Science Education Workshop for Life Science and Chemistry, Houston, TX. March 2008

### Workshops attended at Texas State University

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- Communicating Progress: Developing Outcomes and Methods. Fall 2023
- Let's Chat About ChatGPT. Spring 2023
- Communities of Practice for Inclusive, Equitable STEM (COPIES) Gathering for 4 of 4 sessions. Spring 2022
- Ouch, Words Do Hurt! Taking the Power from Stereotypes and Microaggressions. Spring 2022
- (Re)discovering Students' Strengths Through Metacognition. Fall 2022
- Parts I- 4: Transforming Our Teaching Using Classroom Observations. Spring 2021
- Understanding First-Generation LatinX Student Experiences. March 2021
- Confronting Racism in Our STEM Fields. February 2021
- How Do We Support Each Other This Spring Semester?. January 2021
- Sharing Strategies for Engaging Students Online. January 2021
- Parts I- 4: Improving Our Teaching and Normalizing Feedback. Fall 2020

- Supporting Transgender/Non-binary Students October 2018
- Allies Training June 2017
- Do Your Students Get It? Find out with Student Response Systems November 2016
- College Mental health September 2016
- Student Learning Outcomes Assessment September 2016

## University Service

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- Team Leader, Department of Biology Learning Assistants Program. 2020 – Present
- Team Leader, Freshman Biology Course Redesign. 2020 – Present
- Member, Instructional Faculty Initial Appointments Committee. Biology Department 2023 – Present
- Member, Nontenure Line Faculty Evaluation Committee. Biology Department 2022 – Present
- Advisor, Birder's of Texas State 2022 – 2023
- Judge, Biology Colloquium. 2007, 2008, 2023
- Member, Justice, Equity, Diversity, and Inclusion. Biology Department 2019 – 2023
- Member, OSTEM (Out in Science, Technology, Engineering and Math). 2021 – Present
- Participant, OSTEM Faculty/Student Roundtable. 2021
- Member, Undergraduate Research Fellowship Review Committee. 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 2016 – Present
- Chair, Biology Dept General Education Core Curriculum & 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. 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. Fall 2016
- Member, Department of Biology IA Award Committee. 2011 – 2015
- Host, seminar speaker for Biology department. 2008-2010, 2014
- Organizer, Ecology, Evolution, Behavior meetings. 2009

## Professional & Community Service

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

Reviewer / Referee: *Behavioral Ecology*. (2005 - 2023), *Behaviour*. (2005 - 2023), National Science Foundation (NSF). (2005 - 2023), *Ecology and Evolution* (2023), *iScience* (2023), *Northeastern Naturalist* (2023), *Philosophical Transactions B* (2023), *Oxford (Writing about Biology)*. (2005 - 2021), *Pearson (Biology, Freeman 2nd - 11th edns)*. (2005 - 2023), *Ethology Ecology & Evolution*. (2020), *Animal Behavior Student in Aid Grants*. (2011 - 2019), *Animal Behaviour*. (2005 - 2019), *Journal of Ethology*. (2018), *PLoS One*. (2018), *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), *W.W. 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: 2011 – 2020, 2023.

Member, South Austin Creek Association (2023-present)

Volunteer, Austin Parks Foundation (2021 – present)

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

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

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