CAITLIN RATHIE GABOR

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EDUCATION

Postdoctoral Research **University of Texas, Austin** 1997-1999
Advisor: Dr. Michael J. Ryan

Ph.D.**University of Louisiana, Lafayette** (formerly USL) 1997
Environmental and Evolutionary Ecology
Behavioral and genetic variation in *Salamandridae* and *Poeciliidae*: implications for mate choice and kin recognition
Advisor: Dr. Robert G. Jaeger

M.S. **University of Louisiana, Lafayette** (formerly USL) 1993
Biology
The effects of prey type on territorial quality of *Plethodon cinereus*
Advisor: Dr. Robert G. Jaeger

B.A. **University of California, Santa Barbara** 1990
Aquatic Biology (*Honors*)
Tufts University 1986-1988
West Indies Laboratory (Fairleigh Dickinson Univ.); Marine Biology Fall 1988

ACADEMIC POSITIONS

Professor of Biology, **Texas State University** 2012-present
Associate Director of the Institute for Molecular Life Sciences (formerly *Xiphophorus* Genetic Stock Center) 2020-present
Associate Professor of Biology, **Texas State University** 2005-2012
(Note: I was on 50% maternity leave spring 2007)
Assistant Professor of Biology, **Texas State University** (formerly SWT) 2000-2005
Lecturer/Postdoctoral Research Assoc., **University of Texas, Austin** 1999-2000

RESEARCH INTERESTS

My research program spans population level questions using conservation physiology, behavioral and evolutionary ecology with fish and amphibians as model organisms. Our lab studies the historical forces of natural and sexual selection on speciation in a unisexual-bisexual species complex of live bearing fish from a behavioral and physiological standpoint. We also explore predator-prey dynamics from a conservation perspective. Currently, our work focuses on the consequences of anthropogenic stressors on live-bearing fish and amphibian declines using a holistic framework that evaluates mechanisms (e.g., genetic and physiology) through function (e.g., evolutionary and conservation implications).

PUBLICATIONS **(104 total; h index = 36)** *Undergraduate, +graduate, ^ postdoc

1. +Bryant, A., **Gabor CR**. 2025. Agricultural land use change alters parasitic infection cycles in *Hyla versicolor* tadpoles. *Ichthyology and Herpetology, p.*372-379
DOI: 10.1643/h2024061 *Ichthyology and Herpetology*

2. +Panahi Hassan Barough S, +Monroe DJ,*Clark TC, **Gabor CR**. 2025 Investigating the Temporal Effects of Thermal Stress on Corticosterone Release and Growth in Toad Tadpoles. *Biology*. 14,255. https://doi.org/10.3390/biology14030255
3. Ujhegyi, N., Bombay, B., **Gabor, CR,** Bókony, V. 2025. Unexpected hormonal and behavioral responses to anthropogenic stressors in young common toads. *Frontiers in Amphibian and Reptile Science* https://doi.org/10.3389/famrs.2025.1500598
4. +Irwin, K, *Hathorn, G, **Gabor, CR**. 2024. Cognitive and behavioral response of mosquitofish (*Gambusia affinis*) to environmental factors: Microplastics, predator cues, and detour design methods *Journal of Fish Biology*. https://doi.org/10.1111/jfb.15998
5. Burraco, P, **Gabor, CR**, +Bryant, A, Gardette, V, Lengagne, T, Bonzom, J, Orizaola, G. 2024. Ionizing radiation has negligible effects on the age, telomere length, and corticosterone levels of Chornobyl tree frogs. *Biology Letters.* https://doi.org/10.1098/rsbl.2024.0287
6. +Barnhart-McCarty, K., LaBumbard, B., Whetstone, R., Ahsan, R., Bletz, M., Alkhalifa, SE., Poltronetti, A., **Gabor, CR**., Schliep, K., Tokash-Peters, A., Umile, TP., Minbiole, K., Woodhams, DC. 2024. Micromanagement: Conditions influencing antipathogen function of the skin microbiome in spotted salamanders, *Ambystoma maculatum*. *Frontiers in Amphibian and Reptile Science 2*. https://doi.org/10.3389/famrs.2024.1425570
7. +Monroe, D, Bókony, V, **Gabor, CR**. 2024. Physiological and behavioral variation by urbanization and climate in an urban-tolerant toad. *Frontiers in Amphibian and Reptile Science 2* https://doi.org/10.3389/famrs.2024.1444580
8. +Panahi Hassan Barough, S., Suárez-Rodríguez, M, Aspbury, AS, Zúñiga-Vega, JJ, **Gabor, CR**. 2024. Hormonal Dynamics of Matrotrophy vs. Lecithotrophy in Live-Bearing Fish Reproduction. *Comparative Biochemistry and Physiology, Part A* *https://doi.org/10.1016/j.cbpa.2024.111699*
9. +Irwin, K, Aspbury, AS, Bonner, T., **Gabor CR**. 2024. Habitat structural complexity predicts cognitive performance and behavior in western mosquitofish. *Biology Letters*. **20** http://doi.org/10.1098/rsbl.2023.0394
10. +Bryant, AR., & **Gabor, CR.** 2024. Lack of glucocorticoid flexibility is indicative of wear-and-tear in *Hyla versicolor* tadpoles from agricultural environments. *Environmental Pollution*, *356*, 124265. https://doi.org/10.1016/j.envpol.2024.124265.
11. +Flanagan, M. M., *Stottlemyre, H. J., & **Gabor, CR**. 2024. Traffic noise impacts glucocorticoid response, activity, and growth in two species of tadpoles. *Integrative and Comparative Biology*. https://doi.org/10.1093/icb/icae032.
12. Harris BN, Bauer CM, Carr JA, **Gabor CR**, Grindstaff JL, Guoynes C, Heppner JJ, Ledon-Rettig CC, Lopes PC, Lynn SE, Madelaire CB, Neuman-Lee LA, Palacios MG, Soto P, Terry J. 2024. COVID-19 as a chronic stressor and the importance of individual identity: A data-driven look at academic productivity during the pandemic. *General and Comparative Endocrinology* DOI: 10.1016/j.ygcen.2023.114394
13. Bókony, V., Kalina, C., Ujhegyi, N., Mikó, Z., Lefler, K.K., Vili, N., Gál, Z., **Gabor, C.R.**, Hof fmann, O. 2023. Does stress make males? An experiment on the role of glucocorticoids in anuran sex reversal. *J. Experimental Zool Part A: Ecological and Integrative Physiology*, 1–10.
14. `Villatoro-Castañeda, M. +, +Forsburg, Z.R., Ortiz, W., Fritts, SR, **Gabor, C.R,** Carlos-Shanley, C. 2023. Exposure to Roundup and antibiotics alters gut microbial communities, growth, and behavior in *Rana berlandieri* tadpoles. *Biology.* *DOI: 10.3390/biology12091171*

15. Üveges, B.; Kalina, C.; Szabó, K.; Móricz, Á. M.; Holly, D.; **Gabor, C.R**.; Hettyey, A; Bókony, V. 2023. Does the glucocorticoid stress response make toads more toxic? An experimental study on the regulation of bufadienolide toxin synthesis. *Integrative and Organismal Biology* DOI: 10.1093/iob/obad021
16. Guzman, A*, Miller, O., **Gabor, CR**. 2023. Elevated water temperature initially affects reproduction and behavior but not cognitive performance or physiology in *Gambusia affinis*. *Gen Comp Endocrinol DOI: 10.1016/j.ygcen.2023.114307*
17. Monroe, DJ+, Barny, LA, Wu*, A., Minbiole KP, **Gabor, CR**. 2023. An integrated physiological perspective on anthropogenic stressors in the Gulf Coast toad (*Incilius nebulifer*). *Front. Ecol. Evol.* Sec. Behavioral and Evolutionary Ecology. doi: 10.3389/fevo.2023.1112982
18. **Gabor CR**, Villatoro-Castañeda M+, Carlos-Shanley C, Ujhegyi N, Bókony V. 2023. Gut bacterial communities vary across habitats and their diversity increases with increasing glucocorticoids in toad tadpoles. *Diversity*. 15(1):23. https://doi.org/10.3390/d15010023
19. **Gabor CR**, Lindström J, Macias Garcia C. 2022. Using behavioural ecology to explore adaptive responses to anthropogenic change — introduction. *Behav Ecol Sociobiol.* 76:1-3. https://doi.org/10.1007/s00265-022-03204-7
20. +Bryant, A.R., **Gabor, C.R**.; Swartz, L.K.; Wagner, R.; Cochrane, M.M.; Lowe, W.H. 2022. Differences in Corticosterone Release Rates of Larval Spring Salamanders (*Gyrinophilus porphyriticus*) in Response to Native Fish Presence. *Biology 11*:484. https://doi.org/10.3390/biology11040484
21. Kolonin, A+, Bókony, V, Bonner, TH, Guzman, A*., Cavillo, P*, Molina, R*, Zúñiga-Vega, JJ, Aspbury, AS & **Gabor, CR.** 2022. Coping with urban habitats via glucocorticoid flexibility: physiology, behavior, and life history in stream fishes. 62: 90-103 *Integrative and Comparative Biology*
22. **Gabor CR**, Kivlin SN, Hua J, Bickford N, Reiskind MOB, Wright TF. 2021. Understanding Organismal Capacity to Respond to Anthropogenic Change: Barriers and Solutions. *Integrative and Comparative Biology*. 10.1093/icb/icab162
23. Forsburg, Z+, Guzman, A*., **Gabor CR**. 2021. Artificial light at light (ALAN) affects the stress physiology but not the behavior or growth of *Rana berlandieri* and *Bufo valliceps. Environmental Pollution.* https://doi.org/10.1016/j.envpol.2021.116775.
24. Muraco, J+, Monroe, D+, Aspbury, AS, **Gabor, CR**. 2021. Do Females in a Unisexual-Bisexual Species Complex Differ in Their Behavioral Syndromes and Cortisol Production? *Biology* 10, 186. doi:10.3390/biology10030186
25. Miner, K+, Huertas, M, Aspbury, AS, **Gabor, CR**. 2021. Artificial light at night alters the physiology and behavior of western mosquitofish (*Gambusia affinis*). *Frontiers in Ecology and Evolution. https://www.frontiersin.org/articles/10.3389/fevo.2021.617063/abstract*
26. Bókony, V, Ujhegyi +, N, Hamow, AK, Bosch, J, Thumsová, B, Vörös, J, Aspbury, AS, **Gabor, CR.** 2021. Stressed tadpoles mount more efficient glucocorticoid negative feedback in anthropogenic habitats due to phenotypic plasticity. *Science of the Total Environment*. 753: 141896 https://doi.org/10.1016/j.scitotenv.2020.141896
27. Goff, C+, Rodriguez, D, **Gabor, CR**, Walls, S. 2020. Changes in physiology and microbial diversity in larval ornate chorus frogs are associated with habitat quality. *Conservation Physiology* 8 https://doi.org/10.1093/conphys/coaa047
28. **Gabor, CR** & Walls, S. 2020. Editorial: Contributions of Behavior and Physiology to Conservation Biology. *Frontiers in Ecology and Evolution*. *https://doi:* 10.3389/fevo.2020.00033

29. Barnhart, K., Bletz, M., LaBumbard, B., Tokash-Peters, A., **Gabor, CR**., Woodhams, DC. 2020. *Batrachochytrium salamandrivorans* elicits stress response in spotted salamanders but not infection or mortality. *Animal Conservation* ***https://doi.org/10.1111/acv.12565***
30. Narayan, E, **Gabor, CR**, Forsburg, ZR+, Davis, D. 2019. Non-invasive methods for measuring and monitoring stress physiology in imperiled amphibians. *Frontiers in Ecology and Evolution*. https://doi.org/10.3389/fevo.2019.00431
31. Kim, D+, Aspbury, AS, Zuniga-Vega, JJ, & **Gabor, CR**. 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* 167:103916
32. Walls, S & **Gabor, CR**. 2019. Integrating behavior and physiology into strategies for amphibian conservation. *Frontiers in Ecology and Evolution* *https://doi.org/10.3389/fevo.2019.00234*
33. Forsburg, Z+., Robicheaux, J*, Almond, G*, Perkins, H*, Goff, C+, **Gabor, CR**. 2019. Validation of water-borne cortisol and corticosterone in tadpoles: Recovery rate from an acute stressor, repeatability, and evaluating rearing methods. *General and Comparative Endocrinology* 281:145-152
34. Aspbury, A., DeColo, S+., Goff, C. +, **Gabor, CR.** 2019. Turbidity affects association behavior in the endangered Fountain darter, *Etheostoma fonticola*. *Hydrobiologia* 838: 45-54. https://rdcu.be/bIiSl
35. **Gabor, CR**, Perkins, H*, Heitmann, A*, Aspbury, A. 2019. Roundup with corticosterone functions as an infodisruptor to antipredator response in tadpoles. *Frontiers in Ecology and Evolution*. 7,114, https://doi.org/10.3389/fevo.2019.00114
36. Novarro AJ, **Gabor CR**, Goff CB+, Mezebish TD, Thompson LM & Grayson KL. 2018. Physiological responses to elevated temperature across the geographic range of a terrestrial salamander. T*he Journal of Experimental Biology*. http://jeb.biologists.org/lookup/doi/10.1242/jeb.178236.
37. Charbonnier J, Pearlmutter J, Vonesh J, **Gabor CR**, Forsburg Z+ & Grayson K. 2018 Cross-Life stage effects of aquatic larval density and terrestrial moisture on growth and corticosterone in the spotted salamander. *Diversity* 10:68. https://doi.org/10.3390/d10030068
38. Kim, D+, Earley, R, Chavera, C*, & **Gabor, CR**. 2018. Individual variation in ACTH-induced cortisol levels in females of a livebearing fish at different gestational stages. *General and Comparative Endocrinology* 261:51-58.
39. **Gabor**, **CR**, ER Roznick, SK Knutie & J Rohr. 2018. Negative effects of contaminants and disease on amphibians are not mediated by the stress hormone corticosterone. *Oecologia*. 186:393-404.
40. **Gabor, CR,** DR Davis+, D Kim+, K Zabierek+, & NF Bendik. 2018. Urbanization is associated with elevated corticosterone in Jollyville Plateau salamanders. *Ecological Indicators*. 85: 229-235. https://doi.org/10.1016/j.ecolind.2017.10.047
41. Knutie, SK, **Gabor**, **CR**, Kohl, KD, Rohr, JR. 2018. Do host-associated gut microbiota mediate the effect of an herbicide on disease risk in frogs? *Journal of Animal Ecology*. 87:489-499. DOI: 10.1111/1365-2656.12769
42. Kearns, P, S Fischer, S Fernández-Beaskoetxea, CR **Gabor**, J Bosch, J Bowen, M Tlusty & D Woodhams. 2017. Fight fungi with fungi: Antifungal properties of the amphibian mycobiome. *Frontiers in Microbiology*. https://doi.org/10.3389/fmicb.2017.02494
43. **Gabor, CR**, Forsburg, Z+, Vörös, J, Serrano-Laguna, C & Bosch, J. 2017. Differences in chytridiomycosis infection costs between two amphibian species from Central Europe. *Amphibia-Reptilia* 38:250-256.

44. Davis, DR+, DL DeSantis*, **CR Gabor**. 2017. Antipredator behavior of the Barton Springs salamander (*Eurycea sosorum*) in response to aquatic invertebrates *Hydrobiologia* 795: 129-137.
45. Aspbury, AS, K Grayson, S Fantaye*, I Nichols*, M Myers-Burton*, X Ortiz-Mangual*, & **CR Gabor**. 2017. The association between male-biased sex ratio and indicators of stress in red-spotted newts. *Physiology & Behavior* 173:156-162.
46. Zabierek KC+ & **Gabor CR**. 2016 Multimodal communication, mismatched messages and the effects of turbidity on the antipredator behavior of the Barton Springs salamander, *Eurycea sosorum*. *Behavioural Processes* 130:4-10
47. Swanbrow Becker LJ+, Brooks EM*, **Gabor CR** & Ostrand KG. 2016 Effects of Turbidity on Foraging Behavior in the Endangered Fountain Darter (*Etheostoma fonticola*). *The American Midland Naturalist* 175:55-63
48. **Gabor CR**, Zabierek KC+, Kim DS+, Alberici da Barbiano L+, Mondelli MJ+, Bendik NF & Davis DR+. 2016 A non-invasive water-borne assay of stress hormones in aquatic salamanders. *Copeia* 2016:172-181
49. DeColo SL, + Aspbury AS, Ostrand KG & **Gabor CR**. 2016 Male-male interactions and their influence on the mating behavior and success in the fountain darter, *Etheostoma fonticola*. *Acta Ethologica* 19:15-20
50. Blake CA+ & **Gabor CR**. 2016 Exploratory behaviour and novel predator recognition: behavioural correlations across contexts. *J Fish Biol* 89:1178-89
51. **Gabor CR**, Fisher MC & Bosch J. 2015 Elevated corticosterone levels and changes in amphibian behavior are associated with *Batrachochytrium dendrobatidis* (*Bd*) Infection and *Bd* Lineage. *PLoS ONE* 10:e0122685
52. Davis DR+ & **Gabor CR**. 2015 Behavioral and physiological antipredator responses of the San Marcos salamander, *Eurycea nana*. *Physiology & Behavior* 139:145-149
53. Blake CA+, Alberici da Barbiano L+, Guenther JE* & **Gabor CR**. 2015 Recognition and Response to native and novel predators in the Largespring mosquitofish, *Gambusia geiseri*. *Ethology* 121:227-235
54. Reedy AM, Edwards A, Pendlebury C, Murdaugh L, Avery R, Seidenberg J, Aspbury AS & **Gabor CR**. 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
55. Muraco JJ+, Aspbury AS & **Gabor CR**. 2014 Does male behavioral type correlate with species recognition and stress? *Behavioral Ecology* 25:200-205
56. Kim D+, Waller J, Aspbury AS & **Gabor CR**. 2014 Mating preferences of the gynogenetic Amazon molly differ between populations sympatric with different host species. *Ethology* 120:1053-1061
57. Blake CA+ & **Gabor CR**. 2014 Effect of prey personality depends on predator species. *Behavioral Ecology* 25:871-877
58. Alberici da Barbiano L^, Robinson RJ*, Tobler M, Aspbury AS & **Gabor CR**. 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
59. Sandkam BA, Joy JB, Watson CT, Gonzalez-Bendiksen P*, **Gabor CR** & Breden F. 2013 Hybridization leads to sensory repertoire expansion in a gynogenetic fish, the Amazon molly (*Poecilia formosa*): A test of the hybrid-sensory expansion hypothesis. *Evolution* 67:120-130
60. **Gabor CR**, Fisher MC & Bosch J. 2013 A non-invasive stress assay shows that tadpole

populations infected with *Batrachochytrium dendrobatidis* have elevated corticosterone levels. *PLoS One* 8:e56054

61. **Gabor CR**, Bosch J, Fries JN & Davis DR+. 2013 A non-invasive water-borne hormone assay for amphibians. *Amphibia-Reptilia* 34:151-162
62. **Gabor CR**, Aspbury AS & Rodríguez RL. 2013 Geographic variation in behaviour: An introduction. *Evolutionary Ecology Research* 15:601-604
63. **Gabor CR**, Alberici da Barbiano L +& Aspbury AS. 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
64. DeSantis DL*, Davis DR+ & **Gabor CR**. 2013 Chemically mediated predator avoidance in the Barton Springs salamander (*Eurycea sosorum*). *Herpetologica* 69:291-297
65. Alberici da Barbiano L^, Gompert Z, Aspbury AS, **Gabor CR** & Nice CC. 2013 Population genomics reveals a possible history of backcrossing and recombination in the gynogenetic fish *Poecilia formosa*. *Proceedings of the National Academy of Sciences* 110:13797-802
    -San Marcos Record: http://www.sanmarcosrecord.com/content/txst- researchers-uncover-genetic-diversity-clonal-fish
66. Swanbrow Becker LJ +& **Gabor CR**. 2012 Effects of turbidity and visual vs. chemical cues on anti-predator response in the endangered Fountain darter (*Etheostoma fonticola*). *Ethology* 118:994-1000
67. Swanbrow Becker LJ+, Aspbury AS & **Gabor CR**. 2012 Body size dependent male sexual behavior in a natural population of sailfin mollies (*Poecilia latipinna*). *The American Midland Naturalist* 167:366-372
68. **Gabor CR** & Contreras A*. 2012 Measuring water-borne cortisol in *Poecilia latipinna:* is the process stressful, can stress be minimized and is cortisol correlated with sex steroid release rates? *Journal of Fish Biology* 81:1327-39
69. **Gabor CR**, Aspbury AS, Ma J+ & Nice CC. 2012 The role of androgens in species recognition and sperm production in Atlantic mollies (*Poecilia mexicana*). *Physiology & Behavior* 105:885-92
70. Davis DR+, Epp KJ+ & **Gabor CR**. 2012 Predator generalization decreases the effect of introduced predators in the San Marcos salamander, *Eurycea nana*. *Ethology* 118:1191-1197
71. Alberici da Barbiano L+, Rangel L*, Aspbury AS & **Gabor CR**. 2012 Male permissiveness in a unisexual-bisexual mating complex promotes maintenance of a vertebrate unisexual sperm-dependent species. *Behaviour* 149:869-879
72. Robinson DM+, Konkin-Garcia T*, Espinedo CM*, **Gabor CR** & Aspbury AS. 2011 Seasonal effects on female fecundity and male sperm availability in a thermally stable temperate population of sailfin mollies (*Poecilia latipinna*). *American Midland Naturalist* 166:394-403
73. **Gabor CR**, Parmley MH* & Aspbury AS. 2011 Repeatability of female preferences in a unisexual-bisexual mating system. *Evolutionary Ecology Research* 13:145-157
74. Alberici da Barbiano L, + Aspbury AS, Nice CC & **Gabor CR**. 2011 The impact of social context on male mate preference in a unisexual--bisexual mating complex. *Journal of Fish Biology* 79:194-204
75. Thaker M+, Fries J, Epp K+ & **Gabor CR**. 2010 Cohabitation patterns of the San Marcos salamander (*Eurycea nana*). *Amphibia-Reptilia* 31:503-508
76. **Gabor CR** & Grober MS. 2010 A potential role of male and female androgen in species recognition in a unisexual-bisexual mating complex. *Hormones and Behavior* 57:427-433
77. **Gabor CR**, Gonzalez R+, Parmley M* & Aspbury AS. 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

78. Espinedo CM+, **Gabor CR** & Aspbury AS. 2010 Males, but not females, contribute to sexual isolation between two sympatric species of Gambusia. *Evolutionary Ecology* 24:865-878
79. Epp KJ+, Gonzales R*, Jr. & **Gabor CR**. 2010 The role of water-borne chemical cues in mediating social interactions of the Texas blind salamander, *Eurycea rathbuni*. *Amphibia-Reptilia* 31:294-298
80. Aspbury AS, Espinedo CM+ & **Gabor CR**. 2010 Lack of species discrimination based on chemical cues by male sailfin mollies, *Poecilia latipinna*. *Evolutionary Ecology* 24:69-82
81. Aspbury AS, Coyle JM* & **Gabor CR**. 2010 Effect of predation on male mating behaviour in a unisexual-bisexual mating system. *Behaviour* 147:53-63
82. Alberici da Barbiano L, + Waller J & **Gabor CR**. 2010 Differences in competitive efficiency between a sexual parasite and its host provide insight into the maintenance of a sperm-dependent vertebrate species. *Journal of Freshwater Ecology* 25:523-530
83. Lucas LK+, Fries JN, **Gabor CR** & Nice CC. 2009 Genetic variation and structure in *Eurycea nana*, a federally threatened salamander endemic to the San Marcos springs. *Journal of Herpetology* 43:220-227
84. Robinson DM+, Aspbury AS^ & **Gabor CR**. 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* 62:705-711
85. **Gabor CR** & Aspbury AS^. 2008 Non-repeatable mate choice by male sailfin mollies, *Poecilia latipinna*, in a unisexual-bisexual mating complex. *Behavioral Ecology* 19:871-878
86. Epp KJ+ & **Gabor CR**. 2008 Innate and learned predator recognition mediated by chemical signals in *Eurycea nana*. *Ethology* 114:607-615
87. Thaker M+, **Gabor CR** & Fries JN. 2006 Sensory cues for conspecific associations in aquatic San Marcos salamanders. *Herpetologica* 62:151-155
88. Gumm JM+, Gonzalez R*, Aspbury AS^ & **Gabor CR**. 2006 Do I know you? Species recognition operates within and between the sexes in a unisexual-bisexual species complex of mollies. *Ethology* 112:448-457
89. Gumm JM+ & **Gabor CR**. 2005 Asexuals looking for sex: conflict between species and mate-quality recognition in sailfin mollies (*Poecilia latipinna*). *Behavioral Ecology and Sociobiology* 58:558-565
90. **Gabor CR**, Ryan MJ & Morizot DC. 2005 Character displacement in sailfin mollies, *Poecilia latipinna*: allozymes and behavior. *Environmental Biology of Fishes* 73:75-88
91. **Gabor CR** & Nice CC. 2004 Genetic variation among populations of eastern newts, *Notophthalmus viridescens*: A preliminary analysis based on allozymes. *Herpetologica* 60:373-386
92. Aspbury AS^ & **Gabor CR**. 2004 Discriminating males alter sperm production between species. *Proceedings of the National Academy of Sciences* 101:15970-15973

    -(FEATURED IN SCIENCENOW, SCIENCE MAGAZINE'S ONLINE NEWS SERVICE 11/04; CBC RADIO QUIRKS AND QUARKS, 11/04; PNAS ARTICLE HIGHLIGHTS, 11/04; NATURAL HISTORY MAGAZINE 3/05; WISSENSCHAFT ONLINE, 11/04; LE SCIENZE ONLINE, 11/04)
93. Aspbury AS^ & **Gabor CR**. 2004 Differential sperm priming by male sailfin mollies (*Poecilia latipinna*): Effects of female and male size. *Ethology* 110:193-202
94. **Gabor CR** & Page R*. 2003 Female preference for large males in sailfin mollies, *Poecilia latipinna*: the importance of predation pressures and reproductive status. *Acta Ethologica*

6:7-12

95. **Gabor CR** & Ryan MJ. 2001 Geographical variation in reproductive character displacement in mate choice by male sailfin mollies. *Proceedings of the Royal Society Biological Sciences Series B* 268:1063-1070
96. **Gabor CR**, Krenz JD & Jaeger RG. 2000 Female choice, male interference, and sperm precedence in the red-spotted newt. *Behavioral Ecology* 11:115-124
97. **Gabor CR** & Jaeger RG. 1999 When salamanders misrepresent threat signals. *Copeia* 1999:1123-1126
98. **Gabor CR**. 1999 Association patterns of sailfin mollies (*Poecilia latipinna*): alternative hypotheses. *Behavioral Ecology and Sociobiology* 46:333-340
http://www.nature.com/news/unusual-reference-attracts-notoriety-1.16364
99. Jaeger RG, **Gabor CR** & Wilbur HM. 1998 An assemblage of salamanders in the southern Appalachian Mountains: competitive and predatory behavior. *Behaviour* 135:795-821
100. **Gabor CR** & Halliday TR. 1997 Sequential mate choice by multiply mating smooth newts: Females become more choosy. *Behavioral Ecology* 8:162-166
101. **Gabor CR**. 1996 Differential kin discrimination by red-spotted newts (*Notophthalmus viridescens)* and smooth newts (*Triturus vulgaris*). *Ethology* 102:649-659
102. **Gabor CR** & Jaeger RG. 1995 Resource quality affects the agonistic behaviour of territorial salamanders. *Animal Behaviour* 49:71-79
103. **Gabor CR**. 1995 Correlational test of Mathis' hypothesis that bigger salamanders have better territories. *Copeia* 1995
104. Jaeger RG & **Gabor CR**. 1993 Intraspecific chemical communication by a territorial salamander via the post-cloacal gland. *Copeia* 1993:1171-1174

In Review

Irwin, K., Durocher, C., Wilroy, A., Bonner, T., Gabor, CR. Provisionally accepted. Generalist vs. specialist: Cognition and behavioral flexibility in *Gambusia* across habitats. *Animal Cognition*

Saldivar et al. In review. Developmental bisphenol A exposure modifies gene expression without altering stress or cognitive outcomes in viviparous fish offspring. *Comparative Biochemistry and Physiology, Part C*

Book Chapter

Boone, MD, Hua, J, **Gabor CR**, Gomez-Mestre, I, Katzenberger, M, McMahon, TA, & Rumschlag, SL. 2024. Ecotoxicology: Amphibian Vulnerability to Chemical Contamination. The Amphibian Conservation Action Plan (ACAP): A status review and roadmap for global amphibian conservation. Chapter 4 IUCN Occasional Paper

Burraco, P, **Gabor CR**. 2023. Amphibian Ecophysiology. In *Evolutionary Ecology of Amphibians* (pp. 24-37): CRC Press. DOI:10.1201/9781003093312-3

Gabor, CR. 2017**.** Agonistic Signals**.** In: *Reference Module in Life Sciences*: Elsevier. http://dx.doi.org/10.1016/B978-0-12-809633-8.01098-0

Gabor, CR. 2010 Agonistic Signals. In: Breed M.D. and Moore J., (eds.) *Encyclopedia of Animal Behavior,* Vol. 1, pp. 35-39 Oxford: Academic Press.

Book

Behavioral Ecology of the Eastern Red-backed Salamander: 50 Years of Research by Robert Jaeger, Birgit Gollmann, Carl Anthony, Caitlin Gabor, and Nancy Kohn (2016) Oxford University Press.
http://www.journals.uchicago.edu/doi/pdfplus/10.1086/692237

BOOK REVIEW

Gabor, CR 2018. *An Introduction to Behavioral Endocrinology*. Fifth Edition. By R. Nelson & L. Kriegsfeld. Quarterly Review of Biology. 93: 382-383.

Historical Perspective

Gabor, CR, Anthony, C. 2020. Robert Gordon Jaeger. *Copeia* 108:184-187. https://www.copeiajournal.org/copeiabjbj/poct2020021wc353183nq

Obituary

Gabor, CR, Petrie, M, Arnold, SJ. 2019. Tim Halliday 1945-2019. *Journal of Zoology* 308: 231-233. https://zslpublications.onlinelibrary.wiley.com/doi/full/10.1111/jzo.12709

Gabor, **CR**, Anthony, CD, Gilette, JR, Kohn, NR, Wise, SE, Wortham, J. 2022. Of Salamanders, Cats, and Opera: Robert G. Jaeger Uber Alles. Herpetological Review 53(3) 550-554.

NON-PEER REVIEWED ARTICLES AND LABORATORY GUIDES

Crappy Gabor -
http://www.slate.com/blogs/future_tense/2014/11/11/_crappy_gabor_paper_overly_honest_citation_slips_into_peer_reviewed_journal.html
- http://www.nature.com/news/unusual-reference-attracts-notoriety-1.16377

CR Gabor, M Fisher & J Bosch. 2013. A non-invasive stress assay shows that tadpole populations infected with *Batrachochytrium dendrobatidis* have elevated corticosterone levels. Froglog 21:84.

CR Gabor & C Blake. 2012. Predator-prey interactions in fish and salamanders: a conservation perspective. *The Conservation Behaviorist* 10: 2-3.

Southwest Airlines' Spirit magazine June 2011. 40% of Americans believe their pets have a sixth sense. **CR Gabor** Invited Quote

Organismal Biology Laboratory Exercises edited A Aspbury **& CR Gabor** 2007-12

Organismal Biology Laboratory Exercises edited **CR Gabor** & A Aspbury, 2006, 07

Organismal Biology Laboratory Exercises (12 labs) edited by **CR Gabor** 2000-06

Functional Biology Laboratory Exercises (12 labs) edited C Pesthy & **CR Gabor** 2006-10

Functional Biology Laboratory Exercises (12 labs) edited by C Pesthy, A Bosworth & **CR Gabor** 2009.

Functional Biology Laboratory Exercises (12 labs) edited by **CR Gabor** 2000-05

Jaeger, RG & **CR Gabor**. 1999. Salamander social behavior. *Reptiles* 7: 32-47.

PROPOSAL SUBMITTED

GRANTS RECEIVED **(since 2000 external ~$7,574,138)**

ECOLAB, 2025 $7,088
Implications of Land Use Change on Fish and Amphibian Health and Cognition. PI Gabor and K Irwin

TXST ORSP Research Accelerator grant Development of a Bioinformatics Center $7200

Ecolab, 2024 $5,330

The consequences of land use conversion on fish and amphibian biodiversity and the role of stress and cognitive skills on population persistence. PI Gabor and K Irwin

NSF Planning: CREST Center for Bioinformatics 2334642 with Fuess. 9/23-9/25 $200,000

NSF ORCC (with Martins**,** Suriyampola, Sykes)**.** 2023-2026. Collaborator. $360,446
Sensory reslience and climate change # 2307683.

Ecolab, 2023 $6,820
The consequences of land use conversion on fish and amphibian biodiversity

NIH-OD 2022-2026 **R24OD031467** (mPI with Schartl, Lu) $2,784,846
Advancement of the Xiphophorus Model for Studying Disease

Wild Animal Welfare Initiative. 2022-2025 (Luhring (PI), Gabor, Schalk) $162,604
Integrating individual-level juvenile welfare in dynamic habitats across time and space.

Ecolab, 2022 $4,400
The relationship between land use conversion, stress, cognitive skills and fish and amphibian biodiversity

NIH-OD 2020-2021 **R24-OD-011120** (mPI with Schartl, Lu) **$**2,524,879
Enhanced Development of the Xiphophorus Model System

TXST ORSP Accelerator grant 2021 $16,487
Effects of aquatic nitrite on maternal immune transfer and offspring development in a live-bearing species

Ecolab, 2021 $9,872
The relationship between land use conversion, stress, and diversity with focus on fish and amphibians

Wilson Latin American Research Award, Texas State University 2020 $2500
With Dr. Monserrat SUAREZ RODRIGUEZ from UNAM, MX

Wilson Latin American Research Award, Texas State University 2020 $500

Ecolab, 2020 $9,342
The relationship between land use conversion, stress, and diversity in fish and amphibians

Ecolab, 2019 $11,925
The relationship between environmental variables, stress and diversity in fish and amphibians

Ecolab, 2018 $13,486
Conservation physiology of amphibians and fish: stress in urban and rural habitats

Faculty Research Enhancement Grant, 2017 $16,000
Characterization of sex pheromone response in sailfin mollies

Ecolab, 2017 with Zachery Forsburg (student) $5,722
Amphibian survey and effects of environmental stressors on amphibian populations

Ecolab, 2016 with Zachery Forsburg (student) $4,000
Amphibian survey and physiological health of amphibians in rural environments

USGS ARMI, 2014-2017 with PI Dr. Susan Walls (USGS) $317,927
Using a novel ecophysiological tool to evaluate the conservation status of imperiled populations in species distribution models

NSF – GRFP with Chelsea Blake, 2013-2016 $132,000

Faculty Research Enhancement Grant, 2015 $7,596
Mechanistic approach to understanding disease resistance after pesticide exposure in tadpoles

USFWS State Wildlife Grant Program, 2013-2014 **$**32,716
The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*

Barton Springs Salamander Conservation Grant, 2013-2014 $9,349

The effect of captive rearing on stress and reproductive hormones in *Eurycea sosorum*

NSF - REU Supplement with Drs. Aspbury, Nice, 2014 $6,000

NSF - REU Supplement with Drs. Aspbury, Nice, 2013 $6,000

NSF - REU Supplement with Drs. Aspbury, Nice, 2012 $6,000

NSF - REU Supplement with Drs. Aspbury, Nice, 2011 $6,000

NSF - IOS, with Drs. Nice & Aspbury, 2010-2013+1 yr ext $350,000
The maintenance of unisexuality: Behavior, hormones, and genetic diversity in a unisexual-bisexual mating complex. Grant # 1021873

Faculty Research Enhancement Grant, 2008 $8,000
Hormonal basis to mate choice behavior in a unisexual-bisexual mating system

NSF - REU Supplement with Dr. Aspbury 2006 $6,000

NSF - RET Supplement with Dr. Aspbury 2005 $5,890
Supplemental grant for High School Teachers – Marty Wise

NSF -DIB, Animal Behavior with Dr. Aspbury, 2004 - 2007 +1yr ext $299,497
Species recognition versus mate quality recognition by sailfin molly males: Asexuals looking for sperm. Grant # 0415808

Faculty Research Enhancement Grant, 2004 $7,982
Differential sperm allocation by male sailfin mollies

Texas Higher Education Coordinating Board (THECB), 2003 $8,100
Supplemental grant for High School Teachers – Matt Holmes

THECB, 2002 $8,100
Supplemental grant for High School Teachers – Matt Holmes

THECB, Advanced Research Program, 2001-2004 $78,895
"Species recognition versus mate quality recognition by sailfin molly males". Grant # 003615-0004-2001

U.S. Department of the Interior, Fish and Wildlife Service, 2001-2004 $25,000
Cooperative Agreement #1448-20181-01-J824 Project Officer Joe Fries
"Behavioral Aspects for reproduction in San Marcos salamanders"

Faculty Research Enhancement Grant, 2001 $7,000
"Testing pre-existing bias theory: female mate choice for novel male traits"

NSF Postdoctoral Research Fellowship, 1997-99 $80,000
"Evaluation of reproductive character displacement on male mate selectivity in a unisexual-bisexual complex of livebearing fish (Poeciliidae)"

Sigma Xi, The Scientific Research Society, 1996 $500
"Female mate choice in salamanders: the interaction of previous experience with males and male-male competition"

Louisiana Board of Regents Doctoral Fellowship, 1993-97 $64,000

Graduate Student Organization, Univ. of Southwestern Louisiana, 1991-96 $2800

Sigma Xi, The Scientific Research Society, 1993 $390
"The effects of operational sex ratio on male mating strategies"

Walton Scholarship, Mountain Lake Biol. Station, Univ. of Virginia, 1992 $1000

COOPERATIVE GRANT

US Department of the Interior, Fish and Wildlife Service 2023-2024**.** $15000
Aquaculture methods effects on hormones in Devils Hole pupfish

U.S. Department of the Interior, Fish and Wildlife Service, 2004-2007 $25,000
coadvised by with Dr. Chris Nice and Joe Fries "Genetics of San Marcos salamanders produced in captivity" agreement # FWS 1448-21230-5-K001

GRANT IN KIND

U.S. Department of the Interior, Fish and Wildlife Service, 2015 $920
Funding to examine stress hormones in *Eurycea nana*

City of Austin, Watershed Protection, 2013 $1300
Funding to examine stress in *Eurycea tonkawae*

U.S. Department of the Interior, Fish and Wildlife Service, 2013 $2000
Funding to examine stress hormones in *Eurycea nana*

City of Austin, Watershed Protection, 2012 $1300
Funding to examine stress in *Eurycea tonkawae*

U.S. Department of the Interior, Fish and Wildlife Service, 2012 $1300
Funding to examine stress hormones in *Etheostoma fonticola*

U.S. Department of the Interior, Fish and Wildlife Service, 2011 $1300
Funding to examine stress and reproductive hormones in *Eurycea nana*

AWARDS AND HONORS

2020 Animal Behavior Society Fellow
2020 Mariel M. Muir Excellence in Mentoring Award, Texas State University
2019, 2023 Honorary Professor of Internationals Studies Research Award, TXST
2018 Fulbright Scholar Program- research at the Hungarian Academy of Sciences.
"Role of Land Use Conversion on Stress in Amphibians Across Generations in Hungary" (Spring 2019)
2016 Erskine Fellowship, Visiting Fellow at Canterbury University, New Zealand
2015 Presidential Award for Excellence in Scholarly/Creative Activities (Associate/Professor)
2015 Fulbright Specialist Program award, Hungary
2015 Balassi Institute Scholarship, Hungary
2015, 2008 Texas State University President Development leave award- extra semester paid leave
2014 Internal Globalization Workshop award, Texas State University
2012 Favorite Professor, Alpha Chi
2009, 2014 Dean's nominee for Presidential Award for Excellence in Scholarly/Creative Activities
2005 Presidential Award for Excellence in Scholarly/Creative Activities (Assistant Professor)
2004 Runner up College of Science Presidential Award for Excellence in Scholarly/Creative Activities
1995 Elected to Associate Membership in Sigma Xi, The Scientific Research Society

RESEARCH EXPERIENCE

VISITING SCIENTIST, James Madison University, Harrisonburg, VA. 1997
VISITING RESEARCH FELLOW, The Open University, Milton Keynes, England. 1994
VOLUNTEER RESEARCH TECHNICIAN, distribution and behavior of *Hemisquilla ensigera,* Dr. Jack Engle (U.C.S.B.). 1990
RESEARCH TECHNICIAN (R.E.U.), courtship behavior of *Thalassima bifiscatium*, Dr. Robert Warner (U.C.S.B.). West Indies Lab.1989
VOLUNTEER RESEARCH ASSISTANT, territoriality of *Acanthemblamaria*, Dr. Ray Clarke (Sarah Lawrence University), West Indies Lab. 1989

PRESENTATIONS AT SCIENTIFIC MEETINGS (188 total) * denotes undergraduates

2025

*Shin, J., *Cataño, SA, Ospina Larrea, AM, Lopez, J, **Gabor CR**., Bernal, XE. Effect of artificial light at night and traffic noise on tadpole development and physiology. Purdue Colloquium.

Flanagan, M.M., Luhring, T.M., **Gabor, CR**., Glucocorticoids and coping in lesser sirens, *Siren intermedia* across time, space and life stage. Joint Meeting of Ichthyology and Herpetology

Gabor, CR, B. Thumsova, J. Bosch, Global warming, pesticides and amphibian epidemics: what is all the stress about? Society for Integrative and Comparative Biology Conference

Saldivar Lemus, Y., Panahi Hassan Barough, S. **Gabor, CR** Effects of prenatal and postnatal BPA exposure on gene expression in Poeciliidae, Joint Meeting of Ichthyology and Herpetology

Irwin, K.B., Durocher, C., Wilroy, A., Bonner, T., **Gabor, CR**. Generalist vs. specialist strategy predicts behavior and cognition in sympatric *Gambusia.* Joint Meeting of Ichthyologists and Herpetologists

*Durocher, C, *Yepes, S., *Goodgame, G., and **Gabor, CR**. Water depth preferences of female *Gambusia affinis* in the presence and absence of predatory cues Texas Conservation Symposium

Irwin, K., Edgar, E.M., **Gabor, CR.** Reproductive allotment affects cognition in live-bearing Western Mosquitofish. Texas Conservation Symposium

Flanagan, M.M., Luhring, T.M., **Gabor, CR**., Waterborne corticosterone sampling of larval lesser sirens, *Siren intermedia*, through time and space. Poster, Texas Conservation Symposium.

Powell, J. and **Gabor, CR**. The effects of environmental stressors on glucocorticoid response, growth and activity on a tolerant Texas toad. Texas Conservation symposium

2024

Saldivar, Y. **Gabor, CR.** Consequences of indirect exposure to BPA during embryonic development in live-bearing fish. International Conference of Poeciliid Biologists

Irwin, K and **Gabor, CR**. Reproductive allotment affects cognition in the live-bearing Western Mosquitofish. International Conference of Poeciliid Biologists

Gabor, CR and Aspbury, AS. All things you might have missed: a queer scientist's perspective on behavior and physiology. Invited symposium talk -Increasing visibility of LGBTQ+ scientists and building a queer-friendly community in the Animal Behavior Society

Irwin, K and **Gabor, CR**. Reproductive allotment affects cognition in the live-bearing Western Mosquitofish. ABS

Flanagan, M, **Gabor, CR**. Tadpoles show behavioral and physiological coping response to traffic noise. ABS

Aspbury, AS, Shibuya, S, **Gabor, CR**. Hot & Bothered: Elevated temperatures impact sperm quality & mating behavior in a live-bearing fish. ABS

Luhring, T, Flanagan, M, Falcon*, S., Kearns, J., Gabor, C., Schalk, C. Montana, C. A Siren call: Integrating individual wild animal welfare across time and ecological contexts. Animal Behavior Society (ABS)

Gabor, CR. Mechanisms of coping with stream urbanization over space and time. Invited talk. American Physiology Summit

Saldivar, Y. **Gabor, CR.** The effect of indirect exposure to BPA during embryonic development in live-bearing fish. Society for Integrative and Comparative Biology

Bryant, AR, **Gabor, CR** Tadpoles cope similarly with organic and conventional agricultural environments. Society for Integrative and Comparative Biology

2023

Flanagan, M, **Gabor, CR**. Traffic noise impacts glucocorticoid response, activity, and growth in two species of tadpoles. Texas Herpetology Society

Monroe, DJ., **Gabor, CR**. Geographic Variation in Multiple Stress Markers in the Gulf Coast Toad (*Incilius nebulifer*). Society for Integrative and Comparative Biology

Bryant, AR, **Gabor, CR**. Is it green: How organic farming methods alter amphibian glucocorticoid and immune responses. SICB

Flanagan, M, **Gabor, CR**. Traffic noise impacts glucocorticoid response, activity, and growth in two species of tadpoles. SICB

Irwin, K and **Gabor, CR**. Role of diversity and environmental complexity on cognitive performance and behavior in mosquitofish. SICB

Clark, T*, Monroe, DJ., **Gabor, CR**. Effects of chronic exposure to heat on water-borne stress hormones over time in tadpoles. SICB

Aspbury, S, Levings, S*, Chester*, Perez*, Romero*, Miller, **Gabor, CR**. Role of urban stream syndrome on life history traits, cognition, physiology, and morphology of *Gambusia affinis*. SICB.

Gabor, CR, Panahi, S., Suarez Rodriguez, M & Zúñiga-Vega, JJ. Consequences of maternal stress on offspring: cognitive, behavioral, and physiological changes in two species of live-bearing fish. SICB

2022

Irwin, K, **Gabor, CR**. A so-fish-sticated interaction: Low levels of habitat structure predict higher cognitive performance in *Gambusia affinis*. 9th International Conference of Poeciliid Biologists.

Aspbury, S, Levings, S*, Chester*, Perez*, Romero*, Miller, **Gabor, CR**. Role of urban stream syndrome on life history traits, cognition, physiology, and morphology of *Gambusia affinis*. 9th International Conference of Poeciliid Biologists.

Gabor, CR, Panahi, S., Suarez Rodriguez, M. & Zúñiga-Vega, JJ. Consequences of maternal stress on offspring: cognitive, behavioral, and physiological changes in two species of live-bearing fish. 9th International Conference of Poeciliid Biologists.

Gumm, J., Feuerbacher, O., Irwin, K, Suarez, M, **Gabor, CR**. Longer day length may maximize larval growth in captive Devils Hole pupfish but are there physiological costs? SICB

Bryant, AR; **Gabor, CR**. The role of agricultural practices on immune function and glucocorticoid profiles in tadpoles. SICB

Monroe, DJ; **Gabor, CR**; Barny, LA; Wu, A*; Minbiole, KPC. An integrated physiological perspective to multiple urban stressors in the Gulf Coast Toad (*Incilius nebulifer*).

Irwin, KI; **Gabor, CR**; Newton, AE*. The affects of polystyrene exposure on cortisol release and cognition in *Gambusia affinis*. SICB

Romero, EA*; **Gabor, CR**; Aspbury, AS. Effects of urbanization on life-history traits and hormones of Western mosquitofish. SICB

Flanagan, MM; **Gabor, CR**. Consequences of anthropogenic noise on behavior and cognitive performance in *Acris crepitans*. SICB

2021

Perez*,A., **CR Gabor**, AS Aspbury Urbanization affects individual behavior and cognition in *Gambusa affinis*. Society of Integrative and Comparative Biology

Monroe, D, G Offermann, **CR Gabor**. Exposure to warmer water, but not pond drying as tadpoles contributes to decreased survival when exposed to fire ants. Society of Integrative and Comparative Biology

Bókony, V, K Szabo, A Moricz, **CR Gabor**, A Hettyey, B Üveges, C Kalina Chronic stress influences defensive toxin production in toad tadpoles. Society of Integrative and Comparative Biology

Bryant,A, **CR Gabor** Examining the effects of conventional and organic agriculture on capacity to cope in larval grey treefrogs (*Hyla versicolor*). Society of Integrative and Comparative Biology

Chester*,S, **CR Gabor**, Andrea Aspbury Land use conversion affects life-history traits of western mosquitofish

Villatoro-Castañeda, Z Forsburg, SR Fritts, CR Gabor, C Carlos-Shanley. Glyphosate and antibiotics reduce activity and affect growth in Rio Grande leopard frog (*Rana berlandieri*) tadpoles Society of Integrative and Comparative Biology

CR Gabor, K Miner, Z Forsburg. ALAN in freshwater vertebrates: physiology, growth, and behavioral perspectives, Symposium talk, Society of Integrative and Comparative Biology

Miller*, O, **CR Gabor** The effects of water temperature on cognitive performance and boldness in mosquitofish, *Gambusia affinis* Animal Behavior Society

2020

Perez, A*, Aspbury, AS, Gabor CR. Urbanization affects individual behavior and cognition in *Gambusa affinis* Animal Behavior Society Conference

Guzman, A, Kolonin, K, Calvillo, P*, & **Gabor**, **CR.** Land use conversion affects stress physiology and life history of Western Mosquitofish. Society of Integrative and Comparative Biology

Bryant, AR; **Gabor, CR**, Swartz, LK; Lowe, WH; Wagner, R. Stream salamander larvae downregulate corticosterone in the presence of fish predators. Society of Integrative and Comparative Biology

Gabor, CR, Aspbury, AS; Ujhegyi, N; Bokony, V. Environmental variation from land use conversion affects stress in tadpoles. Society of Integrative and Comparative Biology

Molina, R*; Kolonin, A, Aspbury, AS, **Gabor, CR**. Western mosquitofish social behavior varies with levels of land use conversion. Society of Integrative and Comparative Biology

2019

Bristow, M, **Gabor, CR**, Huertas, M Conspecific Chemical Cues Modulate Reproductive Physiology and Behavior in a Live-Bearing Fish. Experimental Biology

Ujhegyi, N, **Gabor, CR,** Aspbury AS, Bokony, V. Land use conversion affects corticosterone release rates in toad tadpoles. Hungarian Evolutionary Ecology Group

Kolonin, A, Aspbury, AS, & **Gabor**, **CR.** Consequences of urbanization on cortisol and fitness in mosquitofish. 8th International Conference of Poeciliid Biologists, MX

Miner, K., Aspbury, S, **Gabor**, **CR.** Physiology, behavior and reproductive success of *Gambusia affinis* under artificial light at night. 8th International Conference of Poeciliid Biologists, MX

Cantu, I* & **Gabor**, **CR.** Effects of acute and chronic predator stress on mating and stress hormones in mosquitofish. Society of Integrative and Comparative Biology

Kolonin, K, Calvillo, P*, & **Gabor**, **CR.** Land use conversion affects stress and life history traits of stream fish. Society of Integrative and Comparative Biology

Bristow, M, **Gabor**, **CR**, M Huertas. Conspecific chemical communication in a live-bearing fish, *Poecilia latipinna.* Society of Integrative and Comparative Biology

Miner, K. & **Gabor**, **CR.** Physiology, behavior and reproductive success of *gambusia affinis* under artificial light at night. Society of Integrative and Comparative Biology

Forsburg, Z, Robicheaux, J*, Almond, G*., Perkins, H.*, Goff, C., **Gabor, CR**. Validating and using water-borne hormone methods with tadpoles: ACTH challenge, Recovery time, repeatability and optimal rearing designs. Society of Integrative and Comparative Biology

2018

Bristow, M, Jaime, B*, **Gabor**, **CR**, Huertas, M. Chemical communication modulates reproduction in the sailfin molly. International Symposium on Reproductive Physiology of Fish

Goff, CB, **Gabor**, **CR,** S Walls**.** Conservation physiology: Examining the links between environmental stress and amphibian declines. Southwestern American Association of Naturalists (SWAN)

Aspbury, A, Perkins, H*, Heitmann, A*, **Gabor, CR**. How does Roundup and corticosterone affect stress and development in *Incilius nebulifer* tadpoles. SWAN

Goff, CB, **Gabor**, **CR.** Applying conservation physiology to examine the effects of temperature and CORT on amphibians. Society of Integrative and Comparative Biology

Perkins, H*, Heitmann, A*, Aspbury, A, **Gabor, CR**. Synergistic effects of Roundup and corticosterone on antipredator responses of *Incilius nebulifer* tadpoles. Society of Integrative and Comparative Biology and SWAN

Forsburg, Z, **Gabor, CR**. Is artificial light at night a stressor for *Rana berlandieri*. Society of Integrative and Comparative Biology

2017

Goff, CB, Walls, S, **Gabor**, **CR**. Core vs. periphery: Linking amphibian declines to habitat quality and increased stress. Joint meeting of Ichthyologists and Herpetologists

Bristow, M., **Gabor**, **CR**, Huertas M. Characterization of sex pheromone response in *Poecilia latipinna.* Joint meeting of Ichthyologists and Herpetologists

Perkins, H*, Heitmann, A*, **Gabor, CR**. Synergistic Effect of Roundup and Corticosterone on Antipredator Responses in *Incilius nebulifer* Tadpoles. Texas Herpetological Society

Goff, CB, Walls, S, **Gabor**, **CR**. Core versus periphery: linking environmental variables and stress with amphibian. Texas Herpetological Society

Forsburg, ZR, **Gabor**, **CR** Is artificial light at night a stressor for *Rana berlandieri*? Texas Herpetological Society

Thompson LM, Novarro, A, Timko, SE, Law, C, Goff, C, **Gabor, CR**, Grayson, KL. Population density and the thermal stress response of an urban population of red-backed salamanders near the southern range edge. Ecological Society of America

Gabor, CR*, Roznik, EA; Knutie, SA, Rohr, JR. The role anthropogenic stressors play in mediating stress and disease in amphibians. International Conference of Comparative Endocrinology – *Invited Symposium*.

Aspbury, AS, K Grayson, **Gabor**, **CR**. The association between male-biased sex ratio and indicators of stress in red-spotted newts. International Conference of Comparative Endocrinology

Goff, CB, Walls, S, **Gabor**, **CR**. Core versus Periphery: Linking Environmental Variables and Stress with Amphibian. Society of Integrative and Comparative Biology

Forsburg, ZR, **Gabor**, **CR**. Does artificial light at night affect stress levels of the Barton Springs salamander, *Eurycea sosorum?* Society of Integrative and Comparative Biology

2016

Gorishek, E*. Forsburg ZR, **Gabor, CR** Round-up affects antipredator response of Gulf Coast toad tadpoles Texas Herpetology Society

Gabor, CR, DR Davis, D Kim, K Zabierek, NF Bendik Urbanization is associated with changes in baseline and environmental corticosterone in Jollyville Plateau salamander. Texas Herpetology Society*

Hessong, J. Grant, HE, **Gabor, CR** A non-invasive way to determine CORT levels in terrestrial salamanders. Special Plethodontid conference*, Ecological Society of America

Gabor, CR, NF Bendik, DR Davis, K Zabierek The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. Special Plethodontid Conference

Gabor, CR; Roznik, EA; Knutie, SA; Rohr, JR. Does corticosterone mediate the negative effects of atrazine and *Batrachochytrium dendrobatidis* on growth and survival? Society of Integrative and Comparative Biology

Gabor, CR, Forsburg, ZR, Vörös, J, Bosch, J, Serrano-Laguna, C. Does exposure to *Batrachochytrium dendrobatidis* via an infected overwintering salamander have greater costs (stress, mortality, and infection levels) to *Bombina variegata* or *Hyla arborea* tadpoles? Society of Comparative and Integrative Biology

Kim, DS; **Gabor, CR**; Earley, RL**.** Identifying the normal reactive scope of female sailfin mollies in different reproductive states. Society of Comparative and Integrative Biology

2015

Gabor, CR, Forsburg, ZR, Vörös, J, Bosch, J, Serrano-Laguna, C. Does exposure to *Batrachochytrium dendrobatidis* via an infected overwintering salamander have greater costs (stress, mortality, and infection levels) to *Bombina variegata* or *Hyla arborea* tadpoles? Texas Herpetology Symposium

Gabor, CR, Roznik, EA; Knutie, SA; Rohr, JR Negative effects of contaminants and disease on amphibians are not primarily mediated by corticosterone. Texas Herpetology Symposium.

Mondelli, M, **Gabor, CR** The effects of urbanization on hormone levels and activity in Jollyville Plateau salamanders (*Eurycea tonkawae*). The effects of urbanization on hormone levels. Animal Behavior Society

Blake C, **Gabor CR**. Compounded effects of environmental degradation and competition in a spring endemic mosquitofish. Animal Behavior Society

2014

Gabor, CR, Davis, DR; Zabierek, K, Mondelli, M, Bendik, N. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae.* Texas Herpetology Symposium

K Zabierek, C Gabor. Multimodal communication and the effects of turbidity on the antipredator behavior of the Barton Springs salamander, *Eurycea sosorum*. Texas Herpetology Symposium

D Kim, A Aspbury, **C Gabor**. Effect of competitors on male mate choice: Proximate regulation by cortisol and 11-ketotestosterone. International Society of Behavioral Ecology

K Zabierek, **C Gabor**. Effects of turbidity on the antipredator response of the Barton Springs salamander to predator cues. International Society of Behavioral Ecology

S Nagy, **C Gabor**. Personality-driven dispersal in a unisexual-bisexual mating complex. International Society of Behavioral Ecology

K Zabierek, **C Gabor.** Antipredator response of the San Marcos salamander to a nocturnal and a diurnal predator. *Euryce*Alliance Conference

Gabor, CR, Davis, DR; Zabierek, K, Mondelli, M, Bendik, N. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae. Euryce*Alliance Conference

Gabor, CR, Davis, DR; Zabierek, K, Mondelli, M, Bendik, N. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae.* Plethodontid Conference

DL DeSantis, **CR Gabor**, DR Davis. Invertebrate predator recognition and avoidance in the endangered Barton Springs salamander, *Eurycea sosorum* Texas Academy of Sciences

A Reedy, A Edwards*, C Pendlebury, L*. Murdaugh, R*. Avery, J*. Seidenberg*, A Aspbury, **CR Gabor**. Male and female newts increase corticosterone during amplexus. Section of Integrative Biology

A Hanninen, Thomason, C.B., **Gabor, C.R.**, Altizer, S. Breeding behavior is associated with sex-biased parasitism in the red-spotted newt. Section of Integrative Biology

N Bendik, Davis, DR; Zabierek, K; **Gabor, CR**. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae.* Society of Integrative Biology

2013

Blake, C., Alberici Da Barbiano, L., Guenther*, J. & **CR Gabor**. Predator recognition and response to novel and native predators. Texas Poeciliid Conference

Kim, D, Aspbury, A., & **CR Gabor**. Effect of social competition on male mate choice in a unisexual-bisexual species complex. Texas Poeciliid Conference

Reyes, J*, Kim, Y., & **CR Gabor**. Is the total, conjugated or free portion of 11 ketotestosterone associated with male sailfin molly mating behavior? Texas Poeciliid Conference

L. Alberici Da Barbiano, K Cunningham*, & **CR Gabor**, Behavioral and stress response to predators in a unisexual bisexual system. Texas Poeciliid Conference

C.R. Gabor, J. Bosch & M. Fisher. Elevated stress levels in Common and Mallorcan midwife toads infected with *Batrachochytrium dendrobatidi.* European Congress of Herpetology.

S. DeColo & **C.R. Gabor.** Effects of turbidity on male preference for size in fountain darters, *Etheostoma fonticola*. Animal Behavior society conference

L. Alberici Da Barbiano, K Cunningham, & **C.R. Gabor**. Behavioral and stress response to predators in a unisexual-bisexual system. Animal Behavior society

DS Kim, A S. Aspbury & **C.R. Gabor**. Effect of social competition on male mate choice in a unisexual-bisexual species complex. Animal Behavior Society

C Blake & **C.R. Gabor**. Boldness and Body Shape in the Largespring Mosquitofish (*Gambusia geiseri*). Animal Behavior Society

AS. Aspbury, D Kim, J Waller, **C.R. Gabor**. Female preference for familiarity vs. LPA by gynogens in a unisexual-bisexual mating complex Animal Behavior Society.

L. Alberici Da Barbiano, **C.R. Gabor**, & K Cunningham*, Behavioral and stress response to predators in mollies. Undergraduate Symposium, Texas State University.

L. Alberici Da Barbiano, **C.R. Gabor**, & K Cunningham*, Behavioral and stress response to predators in mollies. UT-Austin Center for Brain Behavior and Evolution symposium

2012

CR Gabor & A. Aspbury. Geographic variation in mate choice in a unisexual-bisexual species complex: are populations consistent? International Poeciliid Conference

CK Blake & **CR Gabor**. Predator effects on suites of correlated behaviors in *Gambusia geiseri.* Animal Behavior Society

A. Aspbury, L. Alberici da Barbiano, L. Rangel & **CR Gabor**. Male permissiveness in a unisexual-bisexual mating complex. Animal Behavior Society

S DeColo & **CR Gabor** Effects of turbidity on female preference for larger males in fountain darters, *Etheostoma fonticola.* Animal Behavior Society

DR Davis & **CR Gabor**. Stress response of the salamander, *Eurycea nana*, to native and introduced predators. Animal Behavior Society

DL DeSantis, DR Davis, & **CR Gabor** Chemically mediated predator recognition in the Barton Springs salamander. Animal Behavior Society

DR Davis & **CR Gabor** Stress response of the San Marcos salamander *Eurycea nana,* to native and introduced predators. *Euryce*Alliance

CR Gabor, M. Fisher, J. Bosch A non-invasive stress assay shows that diseased tadpole populations have elevated corticosterone. *Euryce*Alliance

DL DeSantis, DR Davis, & **CR Gabor** Chemically mediated predator avoidance in the Barton Springs salamander, *Eurycea sosorum. EuryceA*lliance

L. Alberici da Barbiano Z. Gompert, A. Buerkle, A. Aspbury, & **C. Gabor**, C. Nice. Phylogeography of a unisexual-bisexual mating complex: a population genomics approach. Texas Poeciliid Conference

L. Alberici da Barbiano, R. Robinson*, M. Tobler, A. Aspbury, **C. Gabor** Differences in resource assimilation between a sperm-dependent unisexual species and its sexual host. Texas Poeciliid Conference

L. Alberici da Barbiano, K. Pena*, A. Aspbury, & **C. Gabor**. Effects of heterospecific encounters on stress hormone levels in a unisexual-bisexual mating complex. Texas Poeciliid Conference

CR Gabor, A. Aspbury, & C. Nice. The role of androgens in species recognition and sperm production in Atlantic mollies (*Poecilia mexicana*). Texas Poeciliid Conference

A. Contreras* & **CR Gabor**. Measuring water-borne cortisol in sailfin mollies: is the process stressful and can stress levels be minimized? Texas Poeciliid Conference

C. Blake & **CR Gabor** Invasive predators select for boldness in native prey populations. Texas Poeciliid Conference

J. Muraco, A. Aspbury, & **CR Gabor**. Male behavioral type and its correlates with species recognition and hormone production in a unisexual-bisexual mating complex. Texas Poeciliid Conference

DL DeSantis*, DR Davis, & **CR Gabor** Predator recognition in the Barton Springs salamander, *Eurycea sosorum*. Texas Academy of Sciences

DR Davis & **CR Gabor** Differential corticosterone response towards native and introduced predators by the San Marcos salamander, *Eurycea nana.* Texas Academy of Sciences

2011

DL DeSantis*, DR Davis, & **CR Gabor**. Texas State Undergraduate Research Conference.

A. Contreras* & **CR Gabor**. Texas State Undergraduate Research conference.

DR. Davis & **CR. Gabor**. Texas Herpetologist Society

DL. DeSantis, DR. Davis, & **CR. Gabor**. Texas Herpetological Society

L. Swanbrow & **CR Gabor.** Aquifer optimization - technical advisory work group

JJ. Muraco, **CR Gabor** & A. Aspbury Animal Behavior Society

CR Gabor & A. Aspbury. Animal Behavior Society

A. Contreras* & **CR Gabor**. Animal Behavior Society

D. Davis & **CR Gabor**. Animal Behavior Society

L. Swanbrow & **CR Gabor.** Animal Behavior Society

L. Alberici da Barbiano, C. Nice, AS Aspbury, **CR Gabor**. Animal Behavior Society

L. Alberici da Barbiano, Z. Gompert*, A. Buerkle*, **CR Gabor**, A. Aspbury, C. Nice JMIH Conference

Gabor, CR. EuryceAlliance Conference

L. Swanbrow & **CR Gabor**. Texas Academy of Sciences

JJ Muraco & **CR Gabor**. Texas Academy of Sciences

D. Davis & **CR Gabor** Texas Academy of Sciences

2010

L. Alberici da Barbiano, Z Gompert, AS Aspbury, **CR Gabor**, C. Nice. Evoluton

L. Alberici da Barbiano, Z Gompert, AS Aspbury, **CR Gabor**, C. Nice. WISE conference

L Alberici da Barbiano, Z Gompert, AS Aspbury, **CR Gabor**, C Nice. Annual Ecological Integration Symposim, Texas A & M.

L Alberici da Barbiano, Z. Gompert, AS Aspbury, **CR Gabor**, C Nice. Texas Academy of Sciences

CR Gabor, J. Ma, AS Aspbury**.** Animal Behavior Society
Ll Rangel, **CR Gabor,** AS Aspbury**.** Animal Behavior Society
J Ma, AS Aspbury, **CR Gabor.** Animal Behavior Society

2009

Alberici da Barbiano, L., A. Aspbury, **CR**. **Gabor**, Z. Gompert & C. Nice. Texas Poeciliid Biologists
Parmley, M., **Gabor**, **CR**., & Aspbury, A. S. Animal Behavior Society, Brazil.
Aspbury, A. S., Coyle, J. M., & **CR**. **Gabor**. Animal Behavior Society, Brazil.
Gabor, C. & Grober, M. Animal Behavior Society, Brazil

2008

KJ Epp & **CR Gabor**. Evolution Conference
C Espinedo, A Aspbury & **CR Gabor**. Evolution Conference
CR Gabor & A Aspbury. Evolution Conference
J Coyle, **CR Gabor** & A. Aspbury. Honors poster presentation, TSU.

2007

KJ Epp & **CR Gabor**. Texas Herpetological Society Symposium
KJ Epp & **CR Gabor**. Animal Behavior Society
L Alberici da Barbiano, AS Aspbury, CC Nice & CR Gabor. Animal Behavior Society
C Espinedo, AS Aspbury & CR Gabor. Animal Behavior Society
C. Espinedo, CR Gabor, & A. S. Aspbury. American Fisheries Society

2006

D. Robinson, A. Aspbury, and **CR Gabor** International Society for the Study of Behavioral Ecology
K. Epp and **CR Gabor**. International Society for the Study of Behavioral Ecology
C. Espinedo and **CR Gabor** Evolutionary Behavioral Ecologists.
D. Robinson, A. Aspbury, and **CR Gabor**. Evolutionary Behavioral Ecologists.
K. Epp and **CR Gabor**. Evolutionary Behavioral Ecologists, regional.

2005

L. K. Lucas, C. C. Nice, J. N. Fries, **CR Gabor.** Society for the Study of Evolution
CM Espinedo*, A. Aspbury, and **CR Gabor**. Animal Behavior Society
D. Robinson, A. Aspbury and **CR Gabor**. Animal Behavior Society
K. Epp and **CR Gabor**. Animal Behavior Society
R. Gonzalez, **CR Gabor** and Aspbury, A. Animal Behavior Society

2004

AS Aspbury and **CR Gabor** ASIH
CR Gabor, D. King,*, and R. Fields,* SIH

2003

A. Aspbury and **CR Gabor.** First European Conference of Poeciliid Biologists
JM Gumm and **CR Gabor** First European Conference of Poeciliid Biologists
CR Gabor and D King* First European Conference of Poeciliid Biologists
M Thaker, **CR Gabor,** and Joe Fries. Texas Herpetology Society
M Thaker, **CR Gabor,** Joe Fries. Southwest Association of Biologists.
M Thaker, **CR Gabor,** and Joe Fries. Animal Behavior Society
J M. Gumm and **CR Gabor**. Animal Behavior Society
D, King* and **CR Gabor**. Animal Behavior Society
A Aspbury and **CR Gabor.** Animal Behavior Society

2002

CR Gabor. Animal Behavior Society.

2001

CR Gabor II International Symposium on Livebearing fishes, Mexico
CR Gabor, R. Page* and C. Setiawan*. ANIMAL BEHAVIOR SOCIETY.
CR Gabor. Texas Academy of Science
2000 CR Gabor and M. J. Ryan. Animal Behavior Society
1999 CR Gabor and M. J. Ryan. South Central Behavior and Evolution Society
1999 CR Gabor. and M. J. Ryan. JMIH
1998 CR Gabor, J. Krenz, & R. Jaeger. International Behavioral Ecology Congress
1998 CR Gabor, J. Krenz, and R. Jaeger. JMIH
1997 CR Gabor. International Ethological Conference
1997 CR Gabor. Animal Behavior Society. Allee Award Competition
1996 CR Gabor and R. G. Jaeger. Animal Behavior Society
1996 Jaeger, R. G. and **CR Gabor**. JMIH
1995 CR Gabor Animal Behavior Society.
1994 CR Gabor JMIH. Herpetologist League Award Competition
1994 CR Gabor Animal Behavior Society
1993 CR Gabor JMIH
1992 CR Gabor and R. G. Jaeger. Plethodontid Salamander Conference

INVITED PRESENTATIONS (67 total)

2024 Doñana Biological Station - Spanish National Research Council. Mechanisms of coping with stream urbanization over space and time.
2024 TAMUSA, Dept of Biology, Physiological and behavioral response to land use conversion: perspectives from fish and tadpoles
2023 Cal Poly San Luis Obispo, Dept. of Bio, Mechanisms of coping with stream urbanization over space and time.
2023 Biodiversity Research Institute (IMIB), Spanish National Research Council. How do tadpoles and fish cope with land use conversion? Physiological and behavioural perspectives
2019 University of Arizona. Applying conservation physiology to understand the capacity to cope in the face of land use conversion
2019 Masaryk University, Czech Republic -The role of anthropogenic stressors in mediating disease and stress in amphibians
2019 University of Pannonia, MTA-PE Evolutionary Ecology Research Group, Department of Limnology and Hungarian Academy of Sciences- Two fishy tails: Geographic variation in behavior, stress and life history traits of livebearing fish
2019 Hungarian Herpetology Conference, Budapest, Hungary-Plenary Talk: Applying Conservation Physiology and Behavior to Amphibian Declines
2017 UNIVERSITY OF MASSACHUSETTS, Boston, Biology Department
2017 NATIONAL SCIENCE FOUNDATION, IOS division
2016 UNIVERSITY of TEXAS, AUSTIN, Integrative Biology
2016 CANTERBURY UNIVERSITY, NEW ZEALAND, Biological Sciences
2016 UNIVERSITY of SOUTH DAKOTA STATE, Department of Biology
2016 UNIVERSITY OF RICHMOND, Department of Biology
2015 TEXAS STATE UNIVERSITY, SAN MARCOS, Department of Biology,
2015 HUNGARIAN ACADEMY OF SCIENCE INSTITUTE, Lendület Evolutionary Ecology Research Group
2015 DEBRECEN UNIVERSITY, Department of Biology
2015 HUNGARIAN NATURAL HISTORY MUSEUM

2015 Mountain Lake Biological Station, University Of Virginia.
2015 Stephen F. Austin Department of Biology
2014 St. Edwards University, Department of Biology
2014 University of South Florida, Department of Biology
2014 University of Florida, Department of Biology
2014 Duquesne University, Department of Biological Sciences
2013 Mountain Lake Biological Station, University Of Virginia.
2011 Texas State University, San Marcos, Department of Biology.
2010 Long Island University, CW Post, Biology Department
2010 University of Texas, Austin, Integrative Biology
2010 Trinity University, Department of Biology
2010 Texas State University, San Marcos, Department of Biology.
2010 Texas A & M, Department of Biology,
2010 Texas State University, San Marcos, Department of Biology.
2009 University of Alabama, tuscaloosa, Department of Biology
2009 Rice University, Department of Biology
2008 Georgia State University, Department of Biology
2008 Auckland University, Department of Biology
2008 American Livebearers Association Conference
2007 Sam Houston State University, Department of Biology
2007 University of California, Davis, Graduate Group in Ecology.
2005 Eastern Michigan State University, Ypsilanti,
2004 Texas State University, San Marcos Department of Biology.
2003 University of Louisiana, Lafayette, Department of Biology.
2003 Texas State University, San Marcos Department of Biology.
2002 Palo Alto College, Department of Biology.
2001 Trinity University, Department of Biology.
2001 Southwestern University, Department of Biology.
2000 San Antonio College, Bridges Program Chemistry Department.
2000 University of Texas at Austin, Section of Integrative Biology.
2000 Texas State University, San Marcos Department of Biology
1999 University of Texas at Austin, Section of Integrative Biology.
1998 University of Texas at Austin, Department of Zoology.
1997 Canterbury University, New Zealand, Department of Zoology.
1997 University of Virginia, Department of Biology.
1996 Florida State University, Department of Biological Sciences.
1996 James Madison University, Biology Department.
1996 Oregon State University, Biology Department.
1996 University of Texas at Austin, Department of Zoology.
1994 Louisiana State University, Biology Department.
1994 The Open University, United Kingdom, Biology Department.
1994 Mountain Lake Biological Station, University of Virginia.
1994 Cornell University, Department of Neurobiology and Behavior.
1994 Sigma Xi Society, University of Southwestern Louisiana.
1993 Mountain Lake Biological Station, University of Virginia.
1992 Mountain Lake Biological Station, University of Virginia.

TEACHING EXPERIENCE (# students)

Texas State University, Department of Biology

POPULATION BIOLOGY II (BIO 7428), Fall 2020 (8), Fall 2022 (10) Fall 2024 (8)
ORGANISMAL BIOLOGY, Fall 2001, 2002, 2008, 2009, 2011, 2013, 2015. 2017, 2019, 2021, 2025. Spring 2003, 2005, 2010, 2012, 2013, 2014, 2016, 2017, 2018, 2020, 2023, 2025. Majors (200+)
EVOLUTIONARY ECOLOGY, Fall 2018, 2016, 2012, 2010, 2006, 2004 Graduate (3-15)
ANIMAL BEHAVIOR, Fall 2005, Spring 2004. Undergraduate. (12-20)
POPULATION BIOLOGY SEMINAR, Fall 2009, 2015, 2017, 2023 (4-15). Graduate. Most recent topic was Conservation physiology and Ecophysiology
PROFESSIONAL DEVELOPMENT, Fall and Spring 2015- 2025 TXST. Graduate student science outreach to local Elementary schools and Non profits (5-35).
UNDERGRADUATE INDEPENDENT RESEARCH, 2000 –present (1-3)
GRADUATE SEMINAR, Fall 2006, 2003; Spring 2003, 2004, 2008, 2010, 2015 Behavioral Ecology topics. (4-15)
BEHAVIORAL ECOLOGY, SPRING 2006, Fall 2003, Spring 2002. Graduate (5-12)

Other Institutions

BEHAVIORAL ENDOCRINOLOGY, Summer 2013, 2015. Graduate/undergrad course, Mountain Lake Biological Station (~5)
ECOLOGY, EVOLUTION, AND SOCIETY, Spring 2000. Section of Integrative Biology, Univ. of Texas, Austin. Nonmajors (100)
ECOLOGY AND EVOLUTIONARY BIOLOGY, Fall 1999. Section of Integrative Biology, Univ. of Texas, Austin. Majors (100)
BIOLOGICAL DIVERSITY 1992-93. Dept. of Biology, Univ. of Louisiana. TA
PRINCIPLES OF BIOLOGY 1991. Dept. of Biology, Univ. of Louisiana. TA

UNDERGRADUATE STUDENTS MENTORED (71)

Melisa Oparanozie 2025
Parker Maroney 2025
Suzanne Finger 2025
Danielle Lipscomb 2025
Dhruv Sharma 2024
Samantha Yepes 2024
Gage Goodgame 2024
Colby Durocher 2024
Kayla Tellez 2023 Social interactions and cognition (Honors thesis), now NSF GRFP Washington University
Grace Hathorn 2022-2023 Antipredator response and cognition, now acoustic surveys for northern long eared bats in Missouri
Emily Edgar 2022-2023 Honors thesis- Comparison of urbanization effects on life history traits in *Gambusia affinis*. Now in a program
Thomas Clark 2022-2023, URF
Patrick Spencer Levings 2022- Geographic variation in morphology of *Gambusia,* PhD program Texas Christian University
Hannah Stottlemyr 2022-2023, MS in Anthropology
Iman Nash 2022
Jade Mack 2020 - 2021
Enrique Romero 2020-2022, HSI SURE STEM, URF, publication
Ariel Newton 2021
Olivia Miller 2020-2021, Undergraduate Research Fellowship, Publication

Abraham Perez- 2020-2021, HSI SURE STEM
Hannah Bailey – 2019- 2020
Alex Guzman-2019- 2020, HSI SURE STEM Research program, NSF GRFP, Francis Rose Award, Undergrad Research Award and Fellowship, Publication
Jessica Randall – 2019- 2020, Undergraduate Research Fellowship, Francis Rose Award
Roberto Molina – 2019, HSI SURE STEM Research program
Quang Nyugen – 2018 - 2019
Shante Williams– 2017 – 2019, Francis Rose Award
Isaac Cantu– 2017 – 2018, SURF, HSI SURE STEM Research program
Joseph Robicheaux-– 2017 – 2019, Francis Rose Award
Grayson Almond – 2017 – 2018, Francis Rose award for Research, URF
Hannah Perkins – 2017 – 2018, Francis Rose award for Research, HSI SURE research program, Best Undergraduate Presentation Biology Colloquium
Austin Heitmann -2015- 2018, Honors student, STAR travel grant (Honors thesis)
Christian Chavera -2015- 2018, SURF, Best undergraduate Poster Biology Colloquium
Dominique Brasel – 2016 – 2017, SURF, DVM - Texas A & M,
Connor Tremallo – 2015 – 2017, SURF
Erin Gorishek – 2016 – 2017, SURF, High school teacher
Armando Toral – 2016 – 2017, SURF award for undergraduate research
Elizabeth Brooks- 2015
Jose Reyes – 2013- 2016, Medical school; Animal Behavior Society Turner Award, Best Honors Undergraduate poster, Best Undergraduate talk Biology Colloquium, Francis Rose, REU stipend, SURF award, Best poster presentation in Physiology at the recent Annual Biomedical Research Conference for Minorities, TSU undergraduate representative at Texas Capitol Undergraduate Research Day
Kristyn Cunningham – 2012-2016- MS grad school, Francis Rose Award for Excellence
Collin Garoutte – 2014- 2015, Francis Rose Award, REU stipend, SURF award
Josue Gold - 2013
Amelia Stinson – 2013, Francis Rose
Jessica Guenther- 2012 – 2014, SURF
Michael Edwards – 2012- 2013, Francis Rose Award for Research
Cory Scanes – 2012- 2013 – MS grad school
Katherine Pena -2011-2013 REU stipend
Reginald Robinson-2011
Pablo Gonzalez – 2011
Dominic DeSantis – 2010- 2013; PhD grad school, GRFP, Francis Rose Award for Research, SURF, TAS, Turner Award from Animal Behavior Society, Texas Herpetology society
Mitchell Benjamin – 2011
Bei Devolld – 2010 – 2011; Francis Rose Award for Excellence
Adam Contreras – 2010- 2011; PhD UC Davis, Francis Rose Award for research, Animal Behavior Society Turner Award; REU stipend, 3rd place Honors Poster
Lorena Rangel 2009-2010 – PhD UC Davis, Francis Rose Award for Excellence in Undergraduate Research, Animal Behavior Society Turner Award
Mark Vanderslice 2008
Nick Bertrand 2008 – grad school
Julia Coyle 2007-2008 - Francis Rose Award for Research
Michelle Parmley 2007-2009 – Medical School; Francis Rose Award for Excellence in Undergraduate Research, Durrenberger Scholarship for Women in Science, Turner Award to present at Animal Behavior Society

Tamira Konkin-Garcia- 2007 – MS grad school, Francis Rose Award for Excellence in Undergraduate Research, Durrenberger Scholarship for Women in Science, Runner up Mitte Honors Poster Presentation
Holly Brewer 2006
Celeste Espinedo 2005-2006– MS, Turner Travel Award for Minorities to present at ABS conference 2005; Durrenberger Scholarship for a Women Undergraduate in College of Science. 2006 Outstanding undergraduate presentation TSU Department of Biology Colloquium, REU stipend
Rosie Gonzalez 2005 – MS Grad school, Physician's assistant
Ray Gonzales 2005-2006
Paul Phillips IV 2004 – medical school
Tami Tarbox 2003
Andrew Dullnig 2003 – dentistry school
Rebecca Fields 2003-2004 – vet school
Danielle King won –Turner Travel Award for Minorities to present at ABS conference 2003, Field Biology Award, and Smith-Wilms Biology Scholarship
Carlene Worthington 2001

Prior to Texas State

Fouad Abedi, Christina Edeus, Eric Holmes, Rachel Page, Melissa Ross, Bobby Schreiber, Christopher Setiawan, Seema Sidhwani, Jennifer Stahl

THESIS/DISSERTATION ADVISOR (graduated 8 PhD, 20 MS)

Advisor:

1. Abigail Clove (2025 -) MS
2. Meg Flanagan (2023-) PhD candidate Wild Animal Welfare grant
3. Kyndal Irwin (2023-) PhD candidate, Meadows Center Ozarka Waters Scholarship, 3MT runner up, Best Biology Department Colloquium talk
4. Jessica Powell (2024-present) MS, won runner up Biology Colloquium best talk
5. Skyler Shibuya (2022-2023) MS, Impacts of Anthropogenic Stressors on Sperm Quality in and mating Behavior in a Live-Bearing Fish. Fish and Wildlife Service- Climate adaptation.
6. Saeed Hassan Barough Panahi (2022-2023) MS, Consequences of BPA induced maternal stress on offspring: cognitive, behavioral, and physiological changes on live bearing fish
7. Meg Flanagan (2021- 2023) MS- Effects of Traffic noise on glucocorticoid response, growth, behavior, and cognition on larval and adult frogs. Best Poster SICB conference, Texas Herpetology Society Scholarship.
8. Kyndal Irwin (2021-2023) MS The effects of urban stream syndrome on the physiology of Western Mosquitofish, Runner up 3MT award.
9. Amanda Bryant (2019- 2023) PhD, Best talk Biology Dept. Colloquium, Durenberger Award, Chuck Nash Aquatic Studies, PEO award. Conservation Herpetologist for Arkansas Game and Fish Commission.
10. Dillon Monroe (2019- 2023) PhD, grad college schol, Eben Elledge, Denison Koehn, Outstanding Graduate student award. Assistant Professor Southern Utah University
11. Melissa Villatoro (2018- 2021) – co- advised (Carlos) MS Latin American Student Grant, Dorothy Coker Research Award, WISE scholarship, Lamar & Marilynn Johnson grant, TX Branch American Society of Microbiology Best Graduate Oral Presentation. Senior Research Technician/Life Sciences at Servilleta LTER with University of New Mexico

12. Krystie Miner (2018- 2020) MS, Artificial light at night alters physiology, behavior, and reproduction in the western mosquitofish. Sigma Xi grant, Wise Scholarship, Grad college Scholarship. Bat Conservation International
13. Arseniy Kolonin (2018- 2020) MS, Urbanization affects the physiology, behavior, and life-history traits of a tolerant stream fish. Sigma Xi grant, Grad college Scholarship, Mountain G Enterprises
14. Zachery Forsburg (2015 – 2020) PhD, Effects of artificial light at night (ALAN) on the physiology, growth, and behavior of two common Texas anurans**.** ECOLAB grantx2, Texas Herpetology Society grant, Coker Award Scholarship x2, Fred & Yetta Richan Aquatic Biology Award x2, Best PhD Biology colloquium presentation (2017). Archibald Field Station Assistant.
15. McKenna Bristow (2017- 2019) MS, The role of multimodal communication in reproduction of a live-bearing fish.
16. Cory Goff (2015 – 2019) PhD, The role of conservation physiology and environmental change in amphibian declines. Sigma Xi, Best PhD Biology colloquium presentation (2018). Assistant Professor, Liberty University
17. Diana (Son) Young Kim (2012- 2018) – PhD, An integrative approach to the ecology and evolution of alternative reproductive tactics in male sailfin mollies, *Poecilia latipinna.* Sigma Xi, Runner UP Graduate student poster Biology Colloquium, Outstanding IA.
18. Megan Mondelli (2014-2016) – MS, Effects of urbanization on stress response of Texas *Eurycea* salamanders; Trainer
19. Kristina Zabierek (2013- fall 2014) – MS, Effects of diel cycle and turbidity on antipredator response to multiple cues of predators by *Eurycea nana* and *Eurycea sosorum.* High school teacher
20. Chelsea Blake (2011- 2016) – PhD, Personality and predation in a changing world; NSF GRFP 2013-2017, Best Biology Colloquium Poster 2012, Howard McCarley Student Research Award (Southwestern Association of Naturalists). Assistant Research Professor, STEM Center for Research, Education, & Outreach at SIU Edwardsville.
21. Sophia DeColo (2012-2014) – MS, Effects of turbidity on mate choice behavior in the fountain darter. Beluga trainer – Seaworld; Mother
22. Lily Swanbrow Becker (2010-2012) – MS, Effects of turbidity on anti-predator response and foraging behavior in the fountain darter, *Etheostoma fonticola.* Howard McCarley Student Research Award (Southwestern Association of Naturalists), Best Biology Colloquium Presentation. Florida Fish and Wildlife Climate Change Adaptation Coordinator
23. James Muraco (2010-2012) – MS, Proximate and ultimate perspectives on the maintenance of a unisexual-bisexual mating complex: importance of behavioral syndromes and stress hormones. Sigma Xi. AP Biology teacher Pennsylvania
24. Drew Davis (2010-2012) – MS, Predator-prey interactions in the San Marcos salamander (*Eurycea nana)*: predator generalization and stress hormones in response to introduced predators. Texas Herpetological Society Award, Howard McCarley Student Research Award (Southwestern Association of Naturalists). Associate Research Scientist at UT Rio Grande Valle
25. Jacqueline Ma (2009- 2011) – MS, Proximate and ultimate perspectives on sperm production and mating behavior in a bisexual-unisexual mating system between sailfin (*Poecilia latipinna*) and Atlantic (*P. mexicana*) mollies with clonal Amazon mollies (*P. formosa*). Best Biology Colloquium poster 2010, Runner up Best WISE poster 2010.
26. Laura Alberici de Barbiano (2006 – 2012) –PhD, Co-advised (Nice) Origins, population genetics and evolutionary ecology of a gynogenetic species. Theodore Roosevelt Award, Texas Academy of Science Student Grant, Raney Award (ASIH), McCarley Award

(SWAN), ALA Vern Parish Award, Sigma Xi x 2; Alexander Stone Genetics Scholarship Award, and Schluze Award. AP Biology teacher

27. Kristen Epp (2004 -2010) – PhD, Predator recognition and avoidance in the San Marcos salamander. Animal Behavior Society grant; Sigma Xi, Norris Scholarship, Runner up best grad student presentation 2007, 2009, San Antonio Conservation Association Scholarship, Flowing Waters NSF Fellow, EARD Conservation Scholarship, Norris Scholarship. Associate Professor, Eastern Connecticut State Univ.
28. Celeste Espinedo (2006 – 2008) –MS, The degree of reproductive isolating in *Gambusia affinis* and *Gambusia geiseri.* Durrenberger Scholarship, Best undergraduate presentation Biology Colloquium. SF SPCA hospital manager.
29. Rosie Gonzalez (2004-2007) – MS, Male mate choice in relation to female and male size in *Poecilia latipinna*, Physician's Assistant
30. Donelle Robinson (2004 -2006) – MS, Differential sperm expenditure between species in the sailfin molly, *Poecilia latipinna.* Durrenberger Scholarship for Women. Ohio University for PhD. City of Austin Barton Springs salamander
31. Jennifer Gumm (2002-2004) – MS, Species and mate-quality recognition in *Poecilia latipinna.* Assistant Professor, Stephen F. Austin State University, Now USFW head of Devil's minnow research center
32. Maria Thaker (2002-2004) – MS, Sensory Cues, Association Preferences, and Social Interactions of the San Marcos Salamander *(Eurycea nana)*. Best Graduate Biology Colloquium presentation, Stoye Award (2004 ASIH meeting). Assistant Professor, Center for Ecological Sciences -Indian Institute of Science

Committee Member: (16 MS committees; 4PhD)

Ayden Wilroy (Bonner) MS 2025, Sofia Diaz de Villegas (Fuess) PhD present; Daniel Guerra (Veech) 2025 PhD; Sarah Palmeri (Texas A & M San Antonio; Wise); Hannah Stottlemyr (Hamilton, Anthropology) 2025 MS; Melissa Wolter (Bonner) 2023, Hannah Hughes (Huertas) 2023; Alex Guzman (Nice) 2022; Sabrina Thiels (Bonner) 2021; Jeremy Maikoletter (Bonner) 2018, Cory Scanes (Bonner) 2016, Ruben Tovar (Garcia) 2014, Devin Preston (Forstner) 2011, Clay Williams (Nice) 2008, Lauren Lucas (Nice) 2007, Scott Egan (Ott) 2003, Erin Foster (Lavalli) 2001, Carmen Hall (Ott) 2001, Richard Reynolds (Ott) 2000

Outside Committee Member:

Natasha Kruger (2020)- PhD. University of Lyons, France.
Nancy Kohn (2003-2008)- PhD. (University of Louisiana, Lafayette) -Tests of memory and individual recognition in the red-backed salamander

Non thesis committee

Ashley Hendrix (Huertas) 2022, MS

POSTDOCTORAL ADVISOR

Dr. Yolitzi Lemus Saldivar (2023-2025) UNAM, Mexico
Dr. Laura Alberici da Barbiano, (2012-2013) Texas State University
Dr. Andrea Aspbury, (2002-2004) University of Nebraska

PROFESSIONAL SERVICE

Assistant Editor of *Integrative and Comparative Biology* 2025- present
Associate Editor for *Behavioral Ecology and Sociobiology* 2005-present
Associate Editor for *Amphibia-Reptilia* 2009-2025
Society for Integrative and Comparative Biology (SICB) -Secretary Elect 2027-2030

Professional Development 2014-present
- organize grad students to give hands on science demonstrations at San Marcos, TX Elementary schools

SICB's Division of Animal Behavior -Divisional Secretary 2024-2026
Associate Editor for *Biology 2021* - 2025
South Austin Creek Alliance (SACA) Board Secretary 2022- present
SICB's Division of Animal Behavior Divisional Secretary 2024-2026
Co Organize International Conference of Poeciliid Biologists 2023-2024
External evaluation for promotion to Professor – Kasey Fowler Finn Garcia Saint Louis University 2024
External evaluation for promotion to Professor – Jamie Voyles University of Reno 204
International Herpetological Committee of the World Herp Congress 2020-2024
Save Our Springs EcoTour Tour leader 2024
External evaluation for promotion and tenure – University of Minnesota, Morris 2023
Participated in SICB DEE Beers and Brain evening 2019, 2020, 2022, 2023
SICB Broadening Participation Mentor 2020-2022
Co-Editor of Research Topic, *Behavioral Ecology and Sociobiology* -8 papers 2021
Co-Editor of Research Topic, *Frontiers in Evolution and Ecology*-12 papers 2018-2019
Judged Posters SICB DAB 2019, 2020, 2021
Judged Posters – HSI SURE program 2019, 2020
External evaluation for promotion to Professor – Tiffany Garcia Oregon State University 2019
Presenter at Barton Springs University 2015-2017, 2019
Worked with Ann Richards High School student – Dignity Butts 2017-1019
Worked with San Marcos High student – Jessica Amaya 2017-2019
Expert Witness for Save Our Springs (SOS), Austin, TX – volunteer on Dripping Springs Wastewater lawsuit 2018
External evaluation for promotion to Professor – Merrimack College 2018
External evaluation for promotion and tenure – Ohio State University, Marion 2017
Board of Texas Herpetology Society 2015- 2017
Organized Texas Herpetology Society Symposium at TSU 2015–100 attendees
External evaluation for promotion to Professor – Colby College 2016
External evaluation for promotion and tenure – Univ. Wisconsin, Milwaukee 2015
External evaluation for promotion and tenure – TAMIU 2014
Public Affairs Committee chair -Animal Behavior Society 2009-2014
Co-Organized the *Euryce*Alliance Conference –2011, 2012, 2014, 2016
ISBE abstract reviewer 2014
USFW reviewer for salamander listing 2013
Presented at the AWIS chapter at Texas State University 2012
External evaluation for promotion and tenure – Merrimack College 2012
Presented to Capitol Area County Master Naturalists 2011
Presented to Hays County Master Naturalists 2011
Organized symposium on Geographic Variation in Behavior for the joint meeting of the Animal Behavior Society and the International Ethological Conference 2011
Allee Competition Judge for Behavior Conference 2011
Organized the Texas Poeciliid Biologist Conference at TSU – 43 attendees 2009.
Poster Judge- Women in Science Conference 2010
Judge for the Hamilton Award –Evolution Conference 2008
Presented at Travis High School –Marty Wise Spring 2006

Panelist for Women in Science Lady Bird Johnson Wildflower center 2005, 2006
Poster Judge for Society for Advancement of Chicanos and Native Americans in Science 2004
SMTEI mentor for Lanier, TX high school teacher Matt Holmes 2001-2003

COLLEGE/UNIVERSITY SERVICE

Chair University Research Enhancement Committee (2025-2028)
IACUC committee 2013 - present
College of Science and Engineering Tenure Review committee -2016-present
Chair CoSE postdoc working group 2023-2025
Faculty development postdoc subcommittee 2024-2025
Presidential Commission on the Run to R1 Recommendation 2023-2024
Institutional Faculty Representative - Federal Demonstration Partnership (FDP) 2021- 2025
Postdoc Faculty development Member 2023
Co associate Co-Advisor oSTEM club at Texas State University (2021-2025)
Review Run to R1 Postdoc catalyst grants 2023
STEM Communities Course redesign and culturally responsive learning 2022, 2023
Presenter for Postdoc Mentoring workshop 2023
Graduate Fulbright Campus Committee 23
Muriel Muir Award reviewer 2021-2022,
President's Council for Women in Higher Education – 2018 - 2022
Performing Arts committee – 2017 -2020
SURE STEM program Undergraduate student mentor and contributor -2017 - 2021
SURE STEM program application judge 2019, 2020
Capstone Advisor: Hailianne Armador 2020-2021
Nomination reviewer Excellence in Diversity and Inclusion Award 2020
Contributed Univ. Lecture series - Trends in Scholarship and Research -2018
Contributed to Panel on Strategies for Successful Research/Scholarship/Creative Ideas panel at the New Faculty Orientation -2018, 2020
Reviewer for URF grants 2012, 2013, 2014, 2018- 2020
Contributed to Fulbright Orientation panel 2019
Chair College of Science and Engineering Scholarships Committee (grad, undergrad) 2011-2017
Associate Vice President for Research job search committee – 2015 - 2016
Undergraduate recruitment life sciences panel 2014
Discussion for the Philosophical Dialogue series Texas State University- 2012
College of Science Graduate Scholarships Committee- Chair 2010
University Seminar Committee -2005-2009
Graduate College Scholarship Committee -2007, 2008
Durrenberger Endowed Scholarship in Science for Women committee -2005- 2006, 2008, 2010 (this became part of COS scholarships)
Advisor for the Triathlon Club -2002-2009
Presidential Award for Excellence in Scholarly Activities committee -2006, 2007
Scholars of Promise Science Tours for Department of Biology -2005-2008
Tenure Track Faculty Orientation - Tenure process lecture -2005
Grant Proposal Writing Skills lecture for OSP -2006

DEPARTMENTAL SERVICE

Personnel Committee Chair 2012- present (re-elected every 3 years)
Mentoring committee – Lauren Fuess 2021-to present

Mentoring committee – Camila Carlos-Shanley 2018-to 2023
Created and chair Outstanding TA award 2011- 2023
Chair Strategic Plan committee and follow up goals 2015- 2018
Reviewer Francis Rose Award 2014-present
Schulze Award Committee 2005-present
Seminar Committee 2014- present
Create and maintain Facebook page for Biology Department 2010-present
https://www.facebook.com/home.php?sk=app_2915120374#!/groups/122189604477542/
Created and maintained Undergraduate Research Website 2007 –2017, 2019:
http://www.bio.txstate.edu/Student-Resources/Undergraduate-Research.html
Coordinate and initiated the Evolution, Ecology, and Behavior (EEB) now Graduate Ecology Discussion journal club 2000-2018
http://www.bio.txstate.edu/~gabor/eeb/eeb.html
Research Enhancement Program Reviewer- Department of Biology 2009, 2017
Co-coordinator of Biology Student Colloquium 2006-2013, Chair Colloquium 2010
Organismal Physiologist job search committee 2015- 2016
Chair Undergrad Research committee 2005- 2016
Chair Seminar committee 2001 - 2014
Promotion and Tenure Tracking Committee 2006-2014
Maintain Biology Seminar website 2004-2014
http://www.bio.txstate.edu/~gabor/seminar/seminar.html
Chair Francis Rose Undergraduate Award for Excellence in Biological Research committee– started, organize and run this award 2003-2013
Judge for Biology Department Student Colloquium 2001, 2008, 2010, 2011
Chair creation of Biology Departmental Logo 2010
Performance and Merit Committee 2008-2009
PhD Proposal Preparation Committee 2007
Stream Ecologist Search committee 2005-2006
Department Chair Search committee x 2 -2005-2006

LEADERSHIP, DIVERSITY TRAINING and DIVERSITY SERVICE

BIO-LEAPS Society of Integrative and Comparative Biology leadership training 2026
Texas Academic Leadership Academy Fellow 2024- 3 in person two-day training and monthly meetings for one year
Charting Your Course Through Managing Awards course 2025
Panel speaker -Action, not just Understanding: A call for change in LGBTQ+ at Animal Behavior Society
IACUC Animal Care Citi Certified
STEM Teaching Workshops with focus on Culturally relevant Instructional improvement 2021, 2022
Allies training -Texas State University 2015
Transgender student training -Texas State University 2017- ½ day
Culturally Aware Mentoring Workshop- National Research Mentoring Network 2018- 2 days
Mentor training workshop-National Research Mentoring Network 2017- 2 days
Presented at Broader Impacts Symposium Animal Behavior Society 2012- Case studies of successful broader impact projects: a personal perspective
Mentor for Minority Undergrads at Animal Behavior Conference 2003, 2010-12

REVIEWS

External Grant Reviewer

NIH IDeA Wyoming INBRE Developmental Research Projects Program Core, University of Wyoming 2025
Lewis and Clark grants (APLS) 2012, 2013, 2015, 2020-2025
Animal Behavior Society grants 2012, 2017, 2018, 2021, 2025
NSF DOB/IOS Panel Reviewer 2005, 2011, 2017, 2021, 2024
Reviewed grants for Ohio University, NKFIH program Hungary x6, Israeli Ministry of Science and Technology
Hungarian Fulbright Commission 2021-2024
Fulbright Panel Reviewer 2020-2023
National Geographic Society grant reviewer 2021-2023
NSF IOS grant reviewer x 19 2002-2018, 2020, 2023x2,
Texas Academy of Sciences 2023
Best Herpetology Papers, *Copeia;* 2021
NSF – IOS DDIG grant panel reviewer 2014, 2016
NSF Graduate Research Fellowship Panel Review 2010, 2011
Jeffress Grant Foundation 2010
Austrian Science Fund (FWF) the Austrian equivalent to NSF x1
Review for Barton Springs Salamander Conservation Fund summer 09

Journals (71 journals, most multiple times)

Acta Ethologica, Animals, African Journal of Wildlife Research, Amphibia-Reptilia, *Animal Behaviour, Animal Cognition, Animal Conservation, American Naturalist, Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Behavioral Processes, Biology, Biology Letters, Biological Journal of the Linnaean Society, Biology Biosphere, BMC Evolutionary Biology, Chemosphere, Comparative Biochemistry and Physiology, Conservation Physiology, Copeia (now Ichthyology and Herpetology), Current Zoology, Diversity, Ethology, Environmental Biology of Fish, Ethology, EcoHealth, Ecology and Evolution, Environmental Pollution, Environmental Science and Pollution Research, Evolution, Evolutionary Ecology, Fishes, Freshwater Biology, Frontiers in Biology, Frontiers in Evolution and Ecology, Functional Ecology, General and Comparative Endocrinology, Global Ecology and Conservation, Herpetologica, Herpetological Review, Hormones and Behavior, Integrative and Comparative Biology, Integrative and Organismal Biology, International Journal of Zoology, Integrative Zoology, Journal of Animal Ecology, Journal of Comparative Physiology A, Journal of Environmental Biology, Journal of Ethology, Journal of Experimental Biology, Journal of Experimental Zoology, Journal of Fish Biology, Journal of Herpetology, Methods in Ecology and Evolution, Naturwissenschaften, Oecologia, Parasitology, PeerJ, PlosONE, Proceedings of the National Academy of Science, Physiology and Behavior, Proceedings of the Royal Society of London, Scientific Reports – Nature, Science of the Total Environment, Series B Biological Science, Southwest American Naturalist, Wildlife Letters, Zoo Biology*

Textbook and Lab Manual Reviews

Reviewer W.H. Freeman, *How Life Works* 2013-2015, 2017, 2018
Reviewer Freeman *Biological Sciences* 2008, 2011, 2015, 2017
Reviewer Pearson Mastering Biology Reviewer 2009-2014,
TExES exam question writer 2007-2014

Reviewer *Biology* Brooker/Biology by McGraw Hill – 2006- 2009
A Short Guide to Writing about Biology 2006-2007
Pearson *Investigative Biology* 2005
Animal Behavior Textbook for Prentice Hall-Pearson Education 2004
Investigative Biology Lab Manual, Morgan & Carter, Benjamin Cummings 2000
Applications in Biological Science Laboratory Lab Manual, Tarrant & Besaw for Thomson Learning 2001

PROFESSIONAL AFFILIATIONS

Animal Behaviour Society
Sigma Xi, The Scientific Research Society
Society for Integrative and Comparative Biology
Texas Herpetology Society