

**CAITLIN RATHIE GABOR**

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**EDUCATION**

Postdoctoral Research	<b>University of Texas, Austin</b>	1997-1999
Advisor: Dr. Michael J. Ryan		
Ph.D.	<b>University of Louisiana, Lafayette</b> (formerly USL)	1997
Environmental and Evolutionary Ecology		
Behavioral and genetic variation in <i>Salamandridae</i> and <i>Poeciliidae</i> : implications for mate choice and kin recognition		
Advisor: Dr. Robert G. Jaeger		
M.S.	<b>University of Louisiana, Lafayette</b> (formerly USL)	1993
Biology		
The effects of prey type on territorial quality of <i>Plethodon cinereus</i>		
Advisor: Dr. Robert G. Jaeger		
B.A.	<b>University of California, Santa Barbara</b>	1990
Aquatic Biology ( <i>Honors</i> )		
	<b>Tufts University</b>	1986-1988
	<b>West Indies Laboratory</b> (Fairleigh Dickinson Univ.); Marine Biology	Fall 1988

**ACADEMIC POSITIONS**

Professor of Biology, <b>Texas State University</b>	2012-present
Associate Director of the <i>Xiphophorus</i> Genetic Stock Center	2020-present
Associate Professor of Biology, <b>Texas State University</b>	2005-2012
(Note: I was on 50% maternity leave spring 2007)	
Assistant Professor of Biology, <b>Texas State University</b> (formerly SWT)	2000-2005
Lecturer/Postdoctoral Research Assoc., <b>University of Texas, Austin</b>	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 (83 total; h index = 27)** \*Undergraduate, +graduate, ^ postdoc

1. Kolonin, A+, Bókony, V, Bonner, TH, Zúñiga-Vega, JJ, Aspbury, AS & **Gabor, CR**. In revision. Coping with urban habitats via glucocorticoid flexibility: physiology, behavior, and life history in stream fishes. *Integrative and Comparative Biology*

2. 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
3. Forsburg, Z, Guzman, A., Gabor CR. 2021. Artificial light at night (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>
4. 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
5. 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>
6. 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://www.sciencedirect.com/science/article/pii/S0048969720354255>
7. 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>
8. **Gabor, CR** & Walls, S. 2020. Editorial: Contributions of Behavior and Physiology to Conservation Biology. *Frontiers in Ecology and Evolution*. <https://doi.org/10.3389/fevo.2020.00033>
9. 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>
10. 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>
11. 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
12. 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>
13. 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
14. 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/bliSl>
15. **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>
16. Navarro 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. *The Journal of Experimental Biology*. <http://jeb.biologists.org/lookup/doi/10.1242/jeb.178236>.

17. 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>
18. 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.
19. **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.
20. **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>
21. 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
22. 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>
23. **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.
24. 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.
25. 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.
26. 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
27. 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
28. **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
29. 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
30. Blake CA+ & **Gabor CR**. 2016 Exploratory behaviour and novel predator recognition: behavioural correlations across contexts. *J Fish Biol* 89:1178-89
31. **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
32. Davis DR+ & **Gabor CR**. 2015 Behavioral and physiological antipredator responses of the San Marcos salamander, *Eurycea nana*. *Physiology & Behavior* 139:145-149
33. 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

34. 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
35. Muraco JJ+, Aspbury AS & **Gabor CR**. 2014 Does male behavioral type correlate with species recognition and stress? *Behavioral Ecology* 25:200-205
36. 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
37. Blake CA+ & **Gabor CR**. 2014 Effect of prey personality depends on predator species. *Behavioral Ecology* 25:871-877
38. Alberici da Barbiano L<sup>^</sup>, 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
39. 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
40. **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
41. **Gabor CR**, Bosch J, Fries JN & Davis DR+. 2013 A non-invasive water-borne hormone assay for amphibians. *Amphibia-Reptilia* 34:151-162
42. **Gabor CR**, Aspbury AS & Rodriguez RL. 2013 Geographic variation in behaviour: An introduction. *Evolutionary Ecology Research* 15:601-604
43. **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
44. DeSantis DL\*, Davis DR+ & **Gabor CR**. 2013 Chemically mediated predator avoidance in the Barton Springs salamander (*Eurycea sosorum*). *Herpetologica* 69:291-297
45. Alberici da Barbiano L<sup>^</sup>, 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>
46. 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
47. 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
48. **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
49. **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
50. 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
51. 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
52. 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
  53. **Gabor CR**, Parmley MH\* & Aspbury AS. 2011 Repeatability of female preferences in a unisexual-bisexual mating system. *Evolutionary Ecology Research* 13:145-157
  54. 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
  55. Thaker M+, Fries J, Epp K+ & **Gabor CR**. 2010 Cohabitation patterns of the San Marcos salamander (*Eurycea nana*). *Amphibia-Reptilia* 31:503-508
  56. **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
  57. **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
  58. 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
  59. 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
  60. 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
  61. Aspbury AS, Coyle JM\* & **Gabor CR**. 2010 Effect of predation on male mating behaviour in a unisexual-bisexual mating system. *Behaviour* 147:53-63
  62. 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
  63. 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
  64. 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
  65. **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
  66. Epp KJ+ & **Gabor CR**. 2008 Innate and learned predator recognition mediated by chemical signals in *Eurycea nana*. *Ethology* 114:607-615
  67. Thaker M+, **Gabor CR** & Fries JN. 2006 Sensory cues for conspecific associations in aquatic San Marcos salamanders. *Herpetologica* 62:151-155
  68. 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
  69. 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
  70. **Gabor CR**, Ryan MJ & Morizot DC. 2005 Character displacement in sailfin mollies, *Poecilia latipinna*: allozymes and behavior. *Environmental Biology of Fishes* 73:75-88



71. **Gabor CR** & Nice CC. 2004 Genetic variation among populations of eastern newts, *Notophthalmus viridescens*: A preliminary analysis based on allozymes. *Herpetologica* 60:373-386
72. Aspbury AS<sup>^</sup> & **Gabor CR**. 2004 Discriminating males alter sperm production between species. *Proceedings of the National Academy of Sciences* 101:15970-15973  
**-(FEATURED IN SCIENCE NOW, 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)**
73. Aspbury AS<sup>^</sup> & **Gabor CR**. 2004 Differential sperm priming by male sailfin mollies (*Poecilia latipinna*): Effects of female and male size. *Ethology* 110:193-202
74. **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
75. **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
76. **Gabor CR**, Krenz JD & Jaeger RG. 2000 Female choice, male interference, and sperm precedence in the red-spotted newt. *Behavioral Ecology* 11:115-124
77. **Gabor CR** & Jaeger RG. 1999 When salamanders misrepresent threat signals. *Copeia* 1999:1123-1126
78. **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>
79. Jaeger RG, **Gabor CR** & Wilbur HM. 1998 An assemblage of salamanders in the southern Appalachian Mountains: competitive and predatory behavior. *Behaviour* 135:795-821
80. **Gabor CR** & Halliday TR. 1997 Sequential mate choice by multiply mating smooth newts: Females become more choosy. *Behavioral Ecology* 8:162-166
81. **Gabor CR**. 1996 Differential kin discrimination by red-spotted newts (*Notophthalmus viridescens*) and smooth newts (*Triturus vulgaris*). *Ethology* 102:649-659
82. **Gabor CR** & Jaeger RG. 1995 Resource quality affects the agonistic behaviour of territorial salamanders. *Animal Behaviour* 49:71-79
83. **Gabor CR**. 1995 Correlational test of Mathis' hypothesis that bigger salamanders have better territories. *Copeia* 1995
84. Jaeger RG & **Gabor CR**. 1993 Intraspecific chemical communication by a territorial salamander via the post-cloacal gland. *Copeia* 1993:1171-1174

#### BOOK CHAPTER

**Gabor, C. R.** 2017. Agonistic Signals. In: *Reference Module in Life Sciences*: Elsevier.

<http://dx.doi.org/10.1016/B978-0-12-809633-8.01098-0>

**Gabor, C. R.** 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/copeiabj/poet2020021wc353183nq>

### Obituary

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

### 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.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.

### GRANTS RECEIVED

**NIH-OD 2020-2021 R24-OD-011120 (mPI with Drs. Schartl, Lu)** \$2,524,879

Enhanced Development of the Xiphophorus Model System

**TXST ORSP Accelerator grant** \$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

**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

<b>Wilson Latin American Research Award</b> , Texas State University 2020	\$500
<b>Ecolab</b> , 2018	\$13,486
Conservation physiology of amphibians and fish: stress in urban and rural habitats	
<b>Faculty Research Enhancement Grant</b> , 2017	\$16,000
Characterization of sex pheromone response in sailfin mollies	
<b>Ecolab</b> , 2017 with Zachery Forsburg (student)	\$5,722
Amphibian survey and effects of environmental stressors on amphibian populations	
<b>Ecolab</b> , 2016 with Zachery Forsburg (student)	\$4,000
Amphibian survey and physiological health of amphibians in rural environments	
<b>USGS ARMI</b> , 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	
<b>NSF – GRFP</b> with Chelsea Blake, 2013-2016	\$132,000
<b>Faculty Research Enhancement Grant</b> , 2015	\$7,596
Mechanistic approach to understanding disease resistance after pesticide exposure in tadpoles	
<b>USFWS State Wildlife Grant Program</b> , 2013-2014	\$32,716
The effects of urbanization on physiological stress of Jollyville Plateau salamanders, <i>Eurycea tonkawae</i>	
<b>Barton Springs Salamander Conservation Grant</b> , 2013-2014	\$9,349
The effect of captive rearing on stress and reproductive hormones in <i>Eurycea sosorum</i>	
<b>NSF - REU Supplement</b> with Drs. Aspbury, Nice, 2014	\$6,000
<b>NSF - REU Supplement</b> with Drs. Aspbury, Nice, 2013	\$6,000
<b>NSF - REU Supplement</b> with Drs. Aspbury, Nice, 2012	\$6,000
<b>NSF - REU Supplement</b> with Drs. Aspbury, Nice, 2011	\$6,000
<b>NSF - IOS</b> , 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	
<b>Faculty Research Enhancement Grant</b> , 2008	\$8,000
Hormonal basis to mate choice behavior in a unisexual-bisexual mating system	
<b>NSF - REU Supplement</b> with Dr. Aspbury 2006	\$6,000
<b>NSF - RET Supplement</b> with Dr. Aspbury 2005	\$5,890
Supplemental grant for High School Teachers – Marty Wise	
<b>NSF -DIB</b> , 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	
<b>Faculty Research Enhancement Grant</b> , 2004	\$7,982
Differential sperm allocation by male sailfin mollies	
<b>Texas Higher Education Coordinating Board (THECB)</b> , 2003	\$8,100
Supplemental grant for High School Teachers – Matt Holmes	
<b>THECB</b> , 2002	\$8,100
Supplemental grant for High School Teachers – Matt Holmes	
<b>THECB, Advanced Research Program</b> , 2001-2004	\$78,895
"Species recognition versus mate quality recognition by sailfin molly males". Grant # 003615-0004-2001	
<b>U.S. Department of the Interior, Fish and Wildlife Service</b> , 2001-2004	\$25,000



Cooperative Agreement #1448-20181-01-J824 Project Officer Joe Fries  
 “Behavioral Aspects for reproduction in San Marcos salamanders”

<b>Faculty Research Enhancement Grant</b> , 2001	\$7,000
“Testing pre-existing bias theory: female mate choice for novel male traits”	
<b>NSF</b> 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)”	
<b>Sigma Xi</b> , The Scientific Research Society, 1996	\$500
“Female mate choice in salamanders: the interaction of previous experience with males and male-male competition”	
<b>Louisiana Board of Regents</b> Doctoral Fellowship, 1993-97	\$64,000
<b>Graduate Student Organization</b> , Univ. of Southwestern Louisiana, 1991-96	\$2800
<b>Sigma Xi</b> , The Scientific Research Society, 1993	\$390
“The effects of operational sex ratio on male mating strategies”	
<b>Walton Scholarship</b> , Mountain Lake Biol. Station, Univ. of Virginia, 1992	\$1000

#### COOPERATIVE GRANT

<b>U.S. Department of the Interior, Fish and Wildlife Service</b> , 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

<b>U.S. Department of the Interior, Fish and Wildlife Service</b> , 2015	\$920
Funding to examine stress hormones in <i>Eurycea nana</i>	
<b>City of Austin, Watershed Protection</b> , 2013	\$1300
Funding to examine stress in <i>Eurycea tonkawae</i>	
<b>U.S. Department of the Interior, Fish and Wildlife Service</b> , 2013	\$2000
Funding to examine stress hormones in <i>Eurycea nana</i>	
<b>City of Austin, Watershed Protection</b> , 2012	\$1300
Funding to examine stress in <i>Eurycea tonkawae</i>	
<b>U.S. Department of the Interior, Fish and Wildlife Service</b> , 2012	\$1300
Funding to examine stress hormones in <i>Etheostoma fonticola</i>	
<b>U.S. Department of the Interior, Fish and Wildlife Service</b> , 2011	\$1300
Funding to examine stress and reproductive hormones in <i>Eurycea nana</i>	

#### PROPOSAL SUBMITTED

<b>NIH-OD</b> RFA-OD-027 (mPI)	\$ 2,784,846
Advancement of the Xiphophorus Model for Studying Disease	
<b>NSF</b>	

#### AWARDS AND HONORS

2020 Animal Behavior Society Fellow  
 2020 Mariel M. Muir Excellence in Mentoring Award, Texas State University  
 2019 Honorary Professor of Internationals Studies Research Award, Texas State University  
 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 bifasciatum*, 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 (156 total) \* denotes undergraduates

#### 2021

A. Perez, CR Gabor, AS Aspbury Urbanization affects individual behavior and cognition in *Gambusia affinis*. Society of Integrative and Comparative Biology  
D Monroe, 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  
V Bókony, 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  
A Bryant, 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  
S Chester, CR Gabor, Andrea Aspbury Land use conversion affects life-history traits of western mosquitofish  
M 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 Society of Integrative and Comparative Biology

#### 2020

Perez, A, Aspbury, AS, Gabor CR. Urbanization affects individual behavior and cognition in *Gambusia 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. 8<sup>th</sup> 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. 8<sup>th</sup> 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. *EuryceAlliance* Conference

**Gabor, CR**, Davis, DR; Zabierek, K, Mondelli, M, Bendik, N. The effects of urbanization on physiological stress of Jollyville Plateau salamanders, *Eurycea tonkawae*. *EuryceAlliance* 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. *EuryceAlliance*
- CR Gabor**, M. Fisher, J. Bosch A non-invasive stress assay shows that diseased tadpole populations have elevated corticosterone. *EuryceAlliance*
- DL DeSantis, DR Davis, & **CR Gabor** Chemically mediated predator avoidance in the Barton Springs salamander, *Eurycea sosorum*. *EuryceAlliance*
- 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
- LI 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 (61 total)**

- 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 (BIO 7428), Fall 2020 (8)

ORGANISMAL BIOLOGY, Fall 2001, 2002, 2008, 2009, 2011, 2013, 2015, 2017, 2019. Spring 2003, 2005, 2010, 2012, 2013, 2014, 2016, 2017, 2018, 2020. 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 (4-15). Graduate. Most recent topic was Conservation physiology and Ecophysiology

PROFESSIONAL DEVELOPMENT, Fall and Spring 2015- 2020 TSU. Graduate student science outreach to Crockett Elementary (5-24).

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 (51)**

Ariel Newton 2021-present



Olivia Miller 2020-present, Undergraduate Research Fellowship  
Jade Mack 2020 - present  
Enrique Romero 2020-present, HSI SURE STEM  
Abraham Perez- 2020-present, 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,  
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, HIS SURE research program, Best Undergraduate Presentation Biology Colloquium  
Austin Heitmann -2015- 2018, Honors student, STAR travel grant  
Christian Chavera -2015- 2018, SURF, Best undergraduate Poster Biology Colloquium  
Dominique Brasel – 2016 – 2017, SURF, Vet School 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, 3<sup>rd</sup> 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 6 PhD, 13 MS)**

Advisor:

1. Meg Flanagan
2. Kyndal Irwin
3. Dillon Monroe (2019- present) PhD, grad college scholarship
4. Amanda Bryant (2019- present) PhD, Durenberger Award, Chuck Nash Aquatic Studies
5. Melissa Villatoro (2018- 2021) – co- advised (Carlos) MS Latin American Student Grant, Dorothy Coker Research Award, WISE scholarship, Lamar & Marilyn 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
6. 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, Seasonal Biological Science Assistant, Oregon Department of Fish and Wildlife
7. 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
8. 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)
9. McKenna Bristow (2017- 2019) MS, The role of multimodal communication in reproduction of a live-bearing fish

10. Cory Groff (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
11. 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.
12. Megan Mondelli (2014-2016) – MS, Effects of urbanization on stress response of Texas *Eurycea* salamanders
13. 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
14. 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). Adjunct lecturer at SIU Edwardsville and Webster University.
15. Sophia DeColo (2012-2014) – MS, Effects of turbidity on mate choice behavior in the fountain darter. Beluga trainer - Seaworld
16. 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
17. 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
18. 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
19. 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.
20. 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
21. 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.
22. 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.
23. Rosie Gonzalez (2004-2007) – MS, Male mate choice in relation to female and male size in *Poecilia latipinna*, Physician's Assistant

24. 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
25. 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
26. 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: (9 MS committees)

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

### **POSTDOCTORAL ADVISOR**

Dr. Andrea Aspbury, University of Nebraska (2002-2004)  
Dr. Laura Alberici da Barbiano, Texas State University (2012-2013)

### **PROFESSIONAL SERVICE**

Associate Editor for *Biology 2021* - present  
Associate Editor for *Behavioral Ecology and Sociobiology* 2005-present  
Associate Editor for *Amphibia-Reptilia* 2009-present  
Co-Editor of Research Topic, *Behavioral Ecology and Sociobiology* 2021  
Co-Editor of Research Topic, *Frontiers in Evolution and Ecology*-12 papers 2018-2019  
Professional Development- organize grad students to give hands on science demonstrations at San Marcos, TX Elementary schools 2014-present  
Elected to International Herpetological Committee of the World Herp Congress 2020-2024  
Judged Posters SICB DAB 2019, 2020, 2021  
SICB Broadening Participation Mentor 2020, 2021  
Participated in SICB DEE Beers and Brain evening 2019, 2020  
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  
Presented at Earthday SEK Institute 2019  
Worked with Ann Richards High School student – Dignity Butts 2017-2019  
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 – TAMU 2014  
Public Affairs Committee chair -Animal Behavior Society 2009-2014  
Co-Organized the *Eurycea* 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  
Presented at Broader Impacts Symposium Animal Behavior Society 2012- Case studies of  
successful broader impact projects: a personal perspective  
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  
Mentor for Minority Undergrads at Animal Behavior Conference 2003, 2010-12  
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**

Advisor oSTEM club at Texas State University (2021-)  
Appointed Institutional Faculty Representative to the Federal Demonstration Partnership  
(FDP) 2021- present  
President's Council for Women in Higher Education – 2018 - present  
IACUC committee 2013 - present  
College of Science and Engineering Tenure Review committee -2016-present  
Performing Arts committee – 2017 -2020  
SURE STEM program Undergraduate student mentor and contributor -2017 - present  
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  
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 is now 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**

Mentoring committee – Camila Carlos-Shanley 2018-to present  
Personnel Committee Chair 2012- present (re-elected every 3 years)  
Created and chair Outstanding TA award 2011- present  
Chair Strategic Plan committee and follow up goals 2015- present  
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/](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

### **REVIEWS**

#### **EXTERNAL GRANT REVIEWER**

NSF DOB/IOS Panel Reviewer 2005, 2011, 2017, 2021  
Fulbright Panel Reviewer 2020, 2021  
NSF grant reviewer x 19 2002-2018, 2020  
Lewis and Clark grants (APLS) 2012, 2013, 2015, 2020

NSF – IOS DDIG grant panel reviewer 2014, 2016  
Animal Behavior Society grants 2012, 2017, 2018  
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 (59 JOURNALS, MOST MULTIPLE TIMES)

*Acta Ethologica, Amphibia-Reptilia, Animal Behaviour, Animal Cognition, Animal Conservation, American Naturalist, Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Behavioral Processes, Biological Journal of the Linnaean Society, Biosphere, BMC Evolutionary Biology, Chemosphere, Comparative Biochemistry and Physiology, Conservation Physiology, Copeia, Current Zoology, Diversity, Ethology, Environmental Biology of Fish, Ethology, EcoHealth, Ecology and Evolution, Environmental Pollution, Evolution, Evolutionary Ecology, Freshwater Biology, Frontiers in Biology, Frontiers in Evolution and Ecology, Functional Ecology, General and Comparative Endocrinology, Herpetologica, Herpetological Review, Hormones and Behavior, Integrative and Comparative Biology, International Journal of Zoology, Journal of Animal Ecology, Journal of Comparative Physiology A, Journal of Environmental Biology, Journal of Ethology, Journal of Experimental Biology, Journal of Fish Biology, Journal of Herpetology, Methods in Ecology and Evolution, Naturwissenschaften, 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, 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  
*Animal Behavior* Text book for Prentice Hall-Pearson Education 2004

**DIVERSITY TRAINING**

Allies training -Texas State University  
Transgender student training -Texas State University  
Culturally Aware Mentoring Workshop- National Research Mentoring Network  
Mentor training workshop-National Research Mentoring Network

**PROFESSIONAL AFFILIATIONS**

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