

CAITLIN RATHIE GABOR

Texas State University- San Marcos
Department of Biology
San Marcos, TX 78666
gabor@txstate.edu
<http://www.bio.txstate.edu/~gabor/gabor.htm>

Phone: (512) 245-3387 (W)

FAX: (512) 245-8713

EDUCATION

- Postdoctoral **University of Texas, Austin** 1997-1999
Research 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

- Associate Professor of Biology, **Texas State University** 2005-present
(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

I study the historical forces of natural and sexual selection on speciation in the unisexual-bisexual species complex of live bearing fish from a behavioral and physiological standpoint. I am also interested in predator-prey dynamics in aquatic systems.

PUBLICATIONS

1. **CR Gabor**, AS Aspbury, J. Ma & C. Nice. 2012. The role of androgens in sperm production and species recognition in Atlantic mollies (*Poecilia mexicana*). *Physiology & Behavior*. 105:885-892.
2. L. Swanbrow, A. S. Aspbury & C. R. Gabor. *In press*. Body Size Dependent Male Sexual Behavior in a Natural Population of Sailfin Mollies (*Poecilia latipinna*). *American Midland Naturalist*
3. D. Robinson, *T. Konkin-Garcia, *C. M. Espinedo, **C. R. Gabor** & A. Aspbury. 2011. Seasonal effects on female fecundity and male sperm availability in a thermal

- stable temperate population of sailfin mollies (*Poecilia latipinna*). *American Midland Naturalist*. 166:394-403
4. **C. R. Gabor**, *M. Parmley, & A. S. Aspbury. 2011. Repeatability of female preferences in a unisexual-bisexual mating system. *Evolutionary Ecology Research* 13:145-157.
 5. L. Alberici da Barbiano, A. S. Aspbury, C. Nice, **C. R. Gabor**. 2011. The impact of social context on male mate preference in a unisexual-bisexual mating complex. *Journal of Fish Biology* 79:194-204.
 6. L. Alberici da Barbiano, J. Waller, & **C. R. Gabor**. 2010. Differences in competitive efficiency between a sexual parasite and its host may explain the maintenance of a sperm-dependent vertebrate species. *Journal of Freshwater Ecology* 25:523-530.
 7. M Thaker, JN Fries, KJ Epp, & **C. R. Gabor**. 2010. Cohabitation patterns of the San Marcos salamander (*Eurycea nana*). *Amphibia-Reptilia* 31:503-508.
 8. **C. R. Gabor** & M. S. Grober. 2010. The role of male and female androgen in species recognition in a unisexual-bisexual mating complex. *Hormones and Behavior* 57:427-433.
 9. **Gabor, C. R.**, Gonzalez, R., *Parmley, M. & Aspbury, A. S. 2010. Variation in male sailfin molly preference for female size: Does sympatry with sexual parasites drive preference for smaller conspecifics? *Behavioral Ecology and Sociobiology* 64: 783-792
 10. Espinedo, C. **Gabor, C. R.**, & Aspbury, A. S. 2010. Males, but not females, contribute to sexual isolation between two sympatric species of *Gambusia*. *Evolutionary Ecology* 24:865-878.
 11. K. J. Epp, R. Gonzales & **C. R. Gabor**. 2010. The role of water-borne chemical cues in mediating social interactions of the Texas blind salamander, *Eurycea rathbuni*. *Amphibia-Reptilia* 31: 294-298
 12. A. Aspbury, J. M Coyle, & **C. R. Gabor**. 2010. Effect of predation on male mating behavior in a unisexual-bisexual mating system. *Behaviour* 147:53-63.
 13. A. Aspbury, C. Espinedo, & **C. R. Gabor**. 2010. Lack of species discrimination based on chemical cues by male sailfin mollies, *Poecilia latipinna*. *Evolutionary Ecology* 24:69-82.
 14. Lucas, L.K., Fries, J. N., **Gabor, C. R.**, & Nice, C. C. 2009. Genetic variation and structure in *Eurycea nana*, a federally threatened salamander endemic to the San Marcos Springs. *Journal of Herpetology* 43:220-227.
 15. **Gabor, C. R.** & A. S. Aspbury. 2008. Non-repeatable mate choice by male sailfin mollies, *Poecilia latipinna*, in a unisexual-bisexual mating complex. *Behavioral Ecology* 19: 871-878.
 16. K. J. Epp & **C. R. Gabor**. 2008. Innate and learned predator avoidance mediated by chemical cues in *Eurycea nana*. *Ethology* 114:607-615.
 17. D. M. Robinson, A. S. Aspbury, & **C. R. Gabor**. 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.
 18. Thaker, M., **C. R. Gabor**, & J. N. Fries. 2006. Sensory cues and association in San Marcos salamanders. *Herpetologica* 62:151-155.

19. Gumm, J. M., *R. Gonzalez, A. S. Aspbury & **C. R. Gabor**. 2006. Do I know you? Species recognition in a unisexual-bisexual species complex of mollies. *Ethology* 112:448-457.
 20. Gumm, J. M., & **C. R. Gabor**. 2005. Asexuals looking for sex: Conflict between species and mate-quality recognition in sailfin mollies. *Behavioral Ecology and Sociobiology* 58: 558-565.
 21. **Gabor, C. R.**, M. J. Ryan, & D. C. Morizot. 2005. Character displacement in sailfin mollies, *Poecilia latipinna*: allozymes, behavior, and morphology. *Environmental Biology of Fishes* 73: 75-88.
 22. Aspbury, A. S., & **C. R. Gabor**. 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)**
23. **Gabor, C. R.**, & C. C. Nice. 2004. Genetic variation among populations of Eastern Newts, *Notophthalmus viridescens*: A preliminary analysis based on allozymes. *Herpetologica* 60:373-386.
 24. Aspbury, A. S. & **C. R. Gabor**. 2004. Differential sperm priming by male sailfin mollies: Effects of female and male size. *Ethology* 110: 193-202.
 25. **Gabor, C. R.**, & R. Page*. 2003. Female preference for large males in sailfin mollies, *Poecilia latipinna*: the importance of predation pressures and reproductive status. *Acta Ethologica* 6:7-12.
 26. **Gabor, C. R.** & M. J. Ryan. 2001. Geographical variation in reproductive character displacement in mate choice by male sailfin mollies. *Proceedings of the Royal Society of London: Series B, Biological Sciences* 268:1063-1070.
 27. **Gabor, C. R.**, J. Krenz, & R. Jaeger. 2000. Female choice, male interference, and sperm precedence in the red-spotted newt. *Behavioral Ecology* 11:115-124.
 28. **Gabor, C. R.** & R. G. Jaeger. 1999. When salamanders misrepresent threat signals. *Copeia* 1999:1123-1126.
 29. **Gabor, C. R.** 1999. Association patterns of sailfin mollies (*Poecilia latipinna*): alternative hypotheses. *Behavioral Ecology and Sociobiology* 46:333-340.
 30. Jaeger, R. G., **C. R. Gabor**, & H. M. Wilbur. 1998. An assemblage of salamanders in the southern Appalachian mountains: competitive and predatory behavior. *Behaviour* 135: 795-821
 31. **Gabor, C. R.** & T. R. Halliday. 1997. Sequential mate choice by smooth newts: females become more choosy. *Behavioral Ecology* 8:162-166.
- (FEATURED IN: BBC Wildlife 1997. Crestfallen newts. (15, no 12, 59))**
32. **Gabor, C. R.** 1996. Differential kin discrimination by red-spotted newts (*Notophthalmus viridescens*) and smooth newts (*Triturus v. vulgaris*). *Ethology* 102:649-659.
- FEATURED IN: Nature Australia 1998. Newtritious eggs? (25, no 12, 14-15); BBC Wildlife 1997. Kin recognition. (15, no 2, 18))**

33. **Gabor, C. R.** 1995. Correlational test of Mathis' hypothesis that bigger salamanders have better territories. *Copeia* 1995:729-735.
34. **Gabor, C. R.** & R. G. Jaeger. 1995. Resource quality affects the agonistic behaviour of territorial salamanders. *Animal Behaviour* 49:71-79.
35. Jaeger, R. G. & **C. R. Gabor**. 1993. Intraspecific chemical communication by a territorial salamander via the post-cloacal gland. *Copeia* 1993:1171-1174.

*Undergraduate researcher

BOOK CHAPTER

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.

PAPERS IN REVIEW

CR Gabor & A. Contreras. *In review.* Measuring water-borne cortisol in sailfin mollies: is the process stressful, can stress levels be minimized and is cortisol correlated with sex steroids? *General and Comparative Endocrinology*

L. Alberici da Barbiano, Z. Gompert, AS Aspbury, **CR Gabor**, & C. Nice. *In review.* Coexistence of unisexual sperm-dependent species and their hosts in a metapopulation framework using a simulation model. *Evolutionary Ecology Research*

AS Aspbury & **CR Gabor.** *In review.* Male mate preference is not a predictor of sperm expenditure in sailfin mollies, *Poecilia latipinna*. *Acta Ethologica*

NON-PEER REVIEWED ARTICLES AND LABORATORY GUIDES

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

Organismal Biology Laboratory Exercises (12 labs) edited by A. Aspbury & **C. R. Gabor** 2007-2011

Organismal Biology Laboratory Exercises edited by **C. R. Gabor** and A. Aspbury, 2006-2007

Organismal Biology Laboratory Exercises (12 labs) edited by **C. R. Gabor** 2000, 2001, 2002, 2003, 2004, 2006

Functional Biology Laboratory Exercises (12 labs) edited by C. Pesthy & **C. R. Gabor** 2006-2010

Functional Biology Laboratory Exercises (12 labs) edited by **C. R. Gabor** 2000, 2001, 2002, 2003, 2004, 2005

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

Jaeger, R. G. and **C. R. Gabor**. 1999. Salamander social behavior. *Reptiles* vol.7, no 7, 32-47.

GRANTS RECEIVED

NSF - REU Supplement with Drs. Aspbury, Nice, 2011 \$6000

NSF -IOS, *Animal Behavior* with Drs. Nice and Aspbury, 2010-2013 \$350,000

The maintenance of unisexuality: Behavior, hormones, and genetic diversity in a unisexual-bisexual mating complex grant # 1021873

Faculty Research Enhancement Grant, 2008	\$8000
“Hormonal basis to mate choice behavior in a unisexual-bisexual mating system”	
NSF - REU Supplement with Dr. Aspbury 2006	\$6000
NSF - RET Supplement with Dr. Aspbury 2005	\$5890
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	\$7982
“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
Grant # 003615-0004-2001 “Species recognition versus mate quality recognition by sailfin molly males”	
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

U.S. Department of the Interior, Fish and Wildlife Service, 2004-2007	\$25,000
This grant funds the research of Lauren Lucas, a MS student coadvised by myself and Dr. Chris Nice via with the Project officer 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, 2011

\$1300

Funding to examine stress and reproductive hormones in *Eurycea nana*

PROPOSAL SUBMITTED

- 2011 Sect 6. TPWD.** The effects of captive rearing and anthropogenic factors (turbidity and introduced predators) on stress hormones and behavior in fountain darters, *Etheostoma fonticola* -\$39081
- Barton Springs Salamander Conservation Grant** The effect of captive rearing on stress and reproductive hormones in *Eurycea sosorum*, \$8,335
- 2011 i-LINK2011** Museo Nacional de Ciencias Naturales, Spain, \$1965.04
Per diem to examine stress hormones in *Alytes obstetrican*
- 2010 Seeligson Conservation Grant** The effect of captive rearing on stress and reproductive hormones in *Eurycea nana* \$5000 Not funded.
- 2010 Seeligson Conservation Grant** The impact of turbidity and visual vs chemical cues on predator avoidance by fountain darters, *Etheostoma fonticola* \$4600 Not funded.
- 2010 Whitehall Foundation.** Hormonal regulation of reproductive isolation in a unisexual-bisexual mating complex of live bearing fish \$75,000 Not funded.
- 2009 NSF DDIG with Dr. Nice, and L. Alberici da Barbiano, DISSERTATION RESEARCH** Origin and phylogeography of a unisexual - bisexual mating complex \$15000 Not funded.
- 2009 Sect 6. TPWD.** The use of water-borne hormones to assess the impact of captivity on the stress response of the San Marcos salamander, *Eurycea nana* -\$31,100. Not funded
- 2009 Advanced Research Projects** “The maintenance of unisexuality: Behavioral and hormonal basis in a unisexual-bisexual complex” \$150000 preproposal not approved.
- 2009 NSF-IOB**, submitted with Dr. Nice, and Aspbury, “The maintenance of unisexuality: Behavior, hormones, and genetic diversity in a unisexual-bisexual mating complex” \$435,438 – Not funded High fund (19% in this category which is the highest ranking)
- 2009 NSF-IOB**, submitted with Dr. Nice, and Aspbury, “The maintenance of unisexuality: Behavior, hormones, and genetic diversity in a unisexual-bisexual mating complex” \$437,800 – not funded, medium high fund category
- 2009 NSF PIRE preproposal** submitted with Dr. Rosenthal, Dr. Walter, “PIRE: Anthropogenic disturbances on livebearing fish in Mexico: insights from behavior, parasitology, physiology, and genetics” \$2.5 million- not approved for full proposal
- 2009 National Geographic grant proposal** with Dr. Nice and Aspbury, and L. Alberici da Barbiano. “Phylogenetic relationships among mollies and multiple origins of a gynogenetic species” \$15000 –pre proposal approved but proposal not funded
- 2008 National Geographic grant pre-proposal** with Dr. Nice and Aspbury, and L. Alberici da Barbiano. “Phylogenetic relationships among mollies and multiple origins of a gynogenetic species” – approved for full submission \$15000 requested.
- 2008 NSF-IOB**, submitted with Dr. Nice, and Aspbury, “Behavioral and genetic diversity across populations of unisexual Amazon mollies in a unisexual-bisexual mating complex” \$407,813 – not funded
- 2008 NSF-IOB**, submitted with Dr. Nice, and Aspbury, “Why do males mismatch in a unisexual-bisexual mating system: condition-dependent mating decisions and genetic variation in unisexuals?” \$399,951 – not funded
- 2007 TPW Section 6** “The Role of Communication on Social Behaviors in Texas Blind Salamanders” \$93391- not funded

- 2007 NSF DDIG** “The role of experience in threat-sensitive predator avoidance in aquatic salamanders” \$5090 with Kristen Epp, Doctoral Candidate – not funded
- 2007 NSF-IOB**, submitted with Dr. Nice, and Aspbury, “Ecology & Evolutionary perspectives on the maintenance of unisexual gynogens: behavioral implications” \$399,975 -not funded
- 2007 THECB ARP** preproposal “Why do unisexual vertebrate lineages persist? Genetic and behavioral perspectives” \$150000
- Faculty Research Enhancement Grant**, 2006 “Evolutionary maintenance and fitness consequences for sexual male sailfin mollies in a unisexual-bisexual species complex”- \$8000- not funded
- Texas Higher Education Coordinating board ARP**, 2005 with C. Nice “Evolutionary maintenance of a asexual-sexual species complex: fitness consequences for sexual male sailfin mollies” – not funded
- Faculty Research Enhancement Grant**, 2005 with A. Aspbury “Evolutionary maintenance of a asexual-sexual species complex: fitness consequences for sexual male sailfin mollies” \$16000 – not funded
- NSF-REU site**, submitted 2005 with Dr. Ott, “Ecology and Evolutionary Ecology Research” 2006-09 \$140,025 not funded
- 2003 NSF** Animal Behavior Section, DIB - with CO-PI Andrea Aspbury. “Mate choice in a unisexual-bisexual system: species recognition versus mate choice recognition and spermatogenesis” \$408,839 NOT FUNDED

AWARDS AND HONORS

- Dean’s nominee for Presidential Award for Excellence in Scholarly/Creative Activities 2009
- Presidential Award for Excellence in Scholarly/Creative Activities 2005
- Runner up for the College of Science Presidential Award for Excellence in Scholarly/Creative Activities 2004
- Elected to Associate Membership in Sigma Xi, The Scientific Research Society. 1995

RESEARCH EXPERIENCE

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

PRESENTATIONS AT SCIENTIFIC MEETINGS

2011

- CR Gabor** & A. Aspbury. Geographic variation in mate choice in a unisexual-bisexual complex: are populations consistent?. ANIMAL BEHAVIOR SOCIETY CONFERENCE.
- A. Contreras. & **CR Gabor**. Measuring water-borne cortisol in sailfin mollies: is the process stressful and can it be minimized? ANIMAL BEHAVIOR SOCIETY CONFERENCE.

- D. Davis & **CR Gabor**. Generalization of introduced predators by a threatened salamander. ANIMAL BEHAVIOR SOCIETY CONFERENCE
- L. Swanbrow & **CR Gabor**. Effects of turbidity and visual versus chemical cues on predator avoidance in the fountain darter. ANIMAL BEHAVIOR SOCIETY CONFERENCE
- L. Alberici da Barbiano, C. Nice, AS Aspbury, **CR Gabor**. The impact of social context on male mate preference in a unisexual-bisexual mating complex. ANIMAL BEHAVIOR SOCIETY CONFERENCE
- L. Alberici da Barbiano, Z. Gompert*, A. Buerkle*, C. Gabor, A. Aspbury, C. Nice. Phylogeography of a Unisexual-bisexual Mating System. JMIH Conference
- Gabor, CR**. Stress in *Eurycea nana*. EuryceaAlliance Conference
- L. Swanbrow & **CR Gabor**. Effects of turbidity and visual versus chemical cues on predator avoidance by fountain darters, *Etheostoma fonticola*. TEXAS ACADEMY OF SCIENCES CONFERENCE.
- JJ. Muraco & **CR Gabor**. Maintenance of a Unisexual-Bisexual Mating Complex: Importance of Behavioral Syndromes. TEXAS ACADEMY OF SCIENCES CONFERENCE.
- D. Davis & **CR Gabor**. Phylogenetic generalization of predators by the San Marcos salamander, *Eurycea nana*. TEXAS ACADEMY OF SCIENCES CONFERENCE.

2010

- L. Alberici da Barbiano, Z Gompert, AS Aspbury, **CR Gabor**, C. Nice. Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model. EVOLUTION CONFERENCE
- L. Alberici da Barbiano, Z Gompert, AS Aspbury, **CR Gabor**, C. Nice. Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model. WISE CONFERENCE, TEXAS STATE UNIVERSITY
- L Alberici da Barbiano, Z Gompert, AS Aspbury, **CR Gabor**, C Nice. Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model. ANNUAL ECOLOGICAL INTEGRATION SYMPOSIUM, TEXAS A & M UNIVERSITY.
- L Alberici da Barbiano, Z. Gompert, AS Aspbury, **CR Gabor**, C Nice. Metapopulation dynamics and sperm storage may explain the maintenance of a vertebrate gynogenetic species: A simulation model. TEXAS ACADEMY OF SCIENCES CONFERENCE.
- CR Gabor**, J. Ma, AS Aspbury. Androgen response in a unisexual-bisexual mating complex. ANIMAL BEHAVIOR SOCIETY CONFERENCE.
- LI Rangel, **CR Gabor**, AS Aspbury. Permissiveness of males in a unisexual-bisexual mating complex. ANIMAL BEHAVIOR SOCIETY CONFERENCE.
- J Ma, AS Aspbury, **CR Gabor**. Sperm priming, 11-ketotestosterone, and male mate preference in *Poecilia mexicana*. ANIMAL BEHAVIOR SOCIETY CONFERENCE.

2009

- Alberici da Barbiano, L., A. Aspbury, C. **Gabor**, Z. Gompert & C. Nice 2009. Metapopulation dynamics and sperm storage: a simulation model to explain the maintenance of *Poecilia formosa*. TEXAS POECILIID BIOLOGIST CONFERENCE
- Parmley, M., **Gabor**, C. R., & Aspbury, A. S. Sexually parasitic unisexual Amazon molly mate preference for large males: sensory bias or direct benefits? ANIMAL BEHAVIOR SOCIETY CONFERENCE, Brazil.
- Aspbury, A. S., Coyle, J. M., & C. R. **Gabor**. Effect of predation on male mating behavior in a unisexual-bisexual mating system. ANIMAL BEHAVIOR SOCIETY CONFERENCE,

Brazil.

Gabor, C. & Grober, M. 2009. The interaction of male and female androgens in male mate preference in a unisexual-bisexual mating complex. ANIMAL BEHAVIOR SOCIETY CONFERENCE

2008

KJ Epp & **CR Gabor**. The effect of predator diet and prey experience on antipredator behavior in the aquatic salamander *Eurycea nana*. EVOLUTION CONFERENCE

C Espinedo, A Aspbury & **CR Gabor**. Symmetrical Isolation: A Tale of Two Species. EVOLUTION CONFERENCE

CR Gabor & A Aspbury. Male preference functions based on female size in the sailfin molly, *Poecilia latipinna*: bigger is not always better. EVOLUTION CONFERENCE

J Coyle, **CR Gabor** & A. Aspbury. Male mate selection of *Poecilia latipinna* under wading bird predation risk. Honors poster presentation.

2007

KJ Epp & **CR Gabor**. Experience affects the avoidance of native and non-native predators by the San Marcos salamander, *Eurycea nana*. Texas Herpetological Society Symposium

KJ Epp & **CR Gabor**. Experience affects salamander avoidance of native and non-native predators. ANIMAL BEHAVIOR SOCIETY, Annual Meeting

L Alberici da Barbiano, AS Aspbury, CC Nice & CR Gabor. Unisexual-bisexual mating systems: Is male fitness influenced by the frequency of unisexual heterospecific females?. ANIMAL BEHAVIOR SOCIETY, Annual Meeting

C Espinedo, AS Aspbury & CR Gabor. Male mate choice in Gambusia. ANIMAL BEHAVIOR SOCIETY, Annual Meeting

C. Espinedo, CR Gabor, & A. S. Aspbury. Analyzing the significance of chemical versus visual cues for species recognition in male sailfin mollies. AMERICAN FISHERIES SOCIETY MEETING, Lake Jackson, Texas

2006

D. Robinson, A. Aspbury, and **CR Gabor**. Rapid spermiation during mating by male sailfin molly, *Poecilia latipinna*. INTERNATIONAL SOCIETY FOR THE STUDY OF BEHAVIORAL ECOLOGY. summer

K. Epp and **CR Gabor**. Differential Behavioral Response of *Eurycea nana* to Native vs. Non-native predators' chemical cues. INTERNATIONAL SOCIETY FOR THE STUDY OF BEHAVIORAL ECOLOGY. summer

C. Espinedo and **CR Gabor** Analyzing the significance of chemical versus visual cues in sperm production by male sailfin mollies, *Poecilia latipinna*. EVOLUTIONARY BEHAVIORAL ECOLOGISTS REGIONAL, Annual Meeting spring

D. Robinson, A. Aspbury, and **CR Gabor**. Differential sperm expenditure between species in the sailfin molly, *Poecilia latipinna*. EVOLUTIONARY BEHAVIORAL ECOLOGISTS REGIONAL, Annual Meeting spring

K. Epp and **CR Gabor**. Differential Behavioral Response of *Eurycea nana* to Native vs. Non-native predators' chemical cues. EVOLUTIONARY BEHAVIORAL ECOLOGISTS REGIONAL, Annual Meeting spring

2005

L. K. Lucas, C. C. Nice, J. N. Fries, **C. R. Gabor**. Population genetics of a threatened plethodontid salamander. SOCIETY FOR THE STUDY OF EVOLUTION CONFERENCE, Annual Meeting

- *C. M. Espinedo, A. Aspbury, and **C. R. Gabor**. Analyzing the significance of chemical versus visual cues for species recognition in male sailfin mollies, *Poecilia latipinna*. ANIMAL BEHAVIOR SOCIETY, Annual Meeting
- D. Robinson, A. Aspbury and **C. R. Gabor**. Differential sperm allocation in the sailfin molly, *Poecilia latipinna*. ANIMAL BEHAVIOR SOCIETY, Annual Meeting
- K. Epp and **C. R. Gabor**. Differential behavioural response of the salamander *Eurycea nana* to native vs. non-native predators' chemical cues. ANIMAL BEHAVIOR SOCIETY, Annual Meeting
- Gonzalez, **C. R. Gabor** and Aspbury Differential sperm transfer in relation to size in sailfin mollies, *Poecilia latipinna*. ANIMAL BEHAVIOR SOCIETY, Annual Meeting
- 2004**
- A. S. Aspbury and **C. R. Gabor** Differential Sperm Priming by Male Sailfin Mollies (*Poecilia latipinna*). AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS.
- C. R. Gabor**, D. King*, and R. Fields,* No species recognition based on visual and chemical cues in male sailfin mollies, *Poecilia latipinna*. AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS
- 2003**
- A. Aspbury and **C. R. Gabor** Differential Sperm Priming by Male Sailfin Mollies (*Poecilia latipinna*). FIRST EUROPEAN CONFERENCE OF POECILIID BIOLOGISTS.
- Jennifer M. Gumm and **C. R. Gabor** Asexuals looking for sex: Species and mate-quality recognition in *Poecilia latipinna*. FIRST EUROPEAN CONFERENCE OF POECILIID BIOLOGISTS.
- C. R. Gabor** and Danielle King* Examining the use of visual and chemical cues for species recognition in male Sailfin mollies, *Poecilia latipinna*. Poster at FIRST EUROPEAN CONFERENCE OF POECILIID BIOLOGISTS. Fall 2003
- Maria Thaker, **C. R. Gabor**, and Joe Fries. Sensory cues and association preferences in the San Marcos salamander. TEXAS HERPETOLOGICAL SOCIETY FALL SYMPOSIUM. SOUTHWEST ASSOCIATION OF BIOLOGISTS.
- Maria Thaker, **C. R. Gabor**, and Joe Fries. Sensory cues and association preferences in the San Marcos salamander. SOUTHWEST ASSOCIATION OF BIOLOGISTS, Annual Meeting.
- Maria Thaker, **C. R. Gabor**, and Joe Fries. Sensory cues and association preferences in the San Marcos salamander. ANIMAL BEHAVIOR SOCIETY, Annual Meeting
- Jennifer M. Gumm and **C. R. Gabor**. Asexuals looking for sex: Species and mate-quality recognition in *Poecilia latipinna*. ANIMAL BEHAVIOR SOCIETY, Annual Meeting.
- Danielle, King* and **C. R. Gabor**. Species recognition and discrimination via olfactory cues in the male sailfin molly, *Poecilia latipinna*. ANIMAL BEHAVIOR SOCIETY, Annual Meeting.
- Andrea Aspbury and **C. R. Gabor** Effects of male size and female presence on sperm availability in the sailfin molly. ANIMAL BEHAVIOR SOCIETY, Annual Meeting.
- 2002**
- Gabor, C. R.** Female mate choice for novel male traits. Poster presentation at ANIMAL BEHAVIOR SOCIETY, Annual Meeting.
- Gabor, C. R.** Female mate choice for artificially selected novel traits. Poster presentation at II INTERNATIONAL SYMPOSIUM ON LIVEBEARING FISHES: Mexico.
- 2001**
- Gabor, C. R.**, R. Page* and C. Setiawan*. Female reproductive status and preference for smelly big males: Is size all there is? ANIMAL BEHAVIOR SOCIETY, Annual Meeting.

Gabor, C. R. Geographic variation in mate choice by sailfin mollies, *Poecilia latipinna*. TEXAS ACADEMY OF SCIENCE, Annual Meeting.

2000

Gabor, C. R. and M. J. Ryan. Geographic variation in reproductive character displacement in mate choice by sailfin mollies. ANIMAL BEHAVIOR SOCIETY, Annual Meeting.

1999

Gabor, C. R. and M. J. Ryan. Reproductive character displacement on male mate selectivity in a unisexual-bisexual complex of live bearing fish. SOUTH CENTRAL BEHAVIOR AND EVOLUTION SOCIETY, Regional Meeting.

Gabor, C. R. and M. J. Ryan. Reproductive character displacement on male mate selectivity in a unisexual-bisexual complex of live bearing fish (Poeciliidae). Joint meeting of THE SOCIETY FOR THE STUDY OF EVOLUTION, AND THE AMERICAN SOCIETY OF NATURALISTS, AND THE SOCIETY OF SYSTEMATIC BIOLOGISTS.

1998

Gabor, C. R., J. Krenz, and R. Jaeger. Female choice, male interference, and sperm precedence in the red-spotted newt. INTERNATIONAL BEHAVIORAL ECOLOGY CONGRESS.

Gabor, C. R., J. Krenz, and R. Jaeger. Sexual selection for female preference and male interference in the newt, *Notophthalmus viridescens*: behavioral experiments and the detection of sperm precedence using genetic markers. Joint meeting of THE SOCIETY FOR THE STUDY OF EVOLUTION, AND THE AMERICAN SOCIETY OF NATURALISTS, AND THE SOCIETY OF SYSTEMATIC BIOLOGISTS.

1997

Gabor, C. R. An arms race between female choice and male-male competition in newts. XXV INTERNATIONAL ETHOLOGICAL CONFERENCE.

Gabor, C. R. Female choice in red-spotted newts: the null hypothesis and male-male competition. ANIMAL BEHAVIOR SOCIETY, Annual Meeting. Allee Award Competition

1996

Gabor, C. R. and R. G. Jaeger. The preference for big fish in sailfin mollies is not gender dependent. ANIMAL BEHAVIOR SOCIETY, Annual Meeting.

Jaeger, R. G. and **C. R. Gabor**. Variation in agonistic behavior of a territorial salamander. Joint meeting of the AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS AND THE HERPETOLOGISTS' LEAGUE, Annual Meeting.

1995

Gabor, C. R. Differential kin discrimination by egg eating salamanders. ANIMAL BEHAVIOR SOCIETY, Annual Meeting.

1994

Gabor, C. R. Sequential mate choice by the female smooth newt (*Triturus vulgaris*). Joint meeting of the HERPETOLOGISTS' LEAGUE AND THE SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES, Annual Meeting. Herpetologist League Award Competition

Gabor, C. R. The effects of prey type on territorial quality of the red-backed salamander, *Plethodon cinereus*. BRITISH ANIMAL BEHAVIOUR SOCIETY, Regional Meeting.

1993

Gabor, C. R. Effects of resource quality on the agonistic behavior of territorial salamanders. Joint meeting of the AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS AND THE HERPETOLOGISTS' LEAGUE, Annual Meeting.

1992

Gabor, C. R. and R. G. Jaeger. Qualifying territorial quality quantitatively. III
HIGHLANDS PLETHODONTID SALAMANDER CONFERENCE.

INVITED PRESENTATIONS

- 2010 LONG ISLAND UNIVERSITY, CW POST, Biology Department, Examining the evolutionary maintenance of a Unisexual-Bisexual Mating System: ultimate and proximate mechanisms.
- 2010 UNIVERSITY OF TEXAS, AUSTIN, Integrative Biology, Evolutionary maintenance of a unisexual-bisexual mating system: behavior and hormones
- 2010 TRINITY UNIVERSITY, Department of Biology, Examining the Evolutionary maintenance of a Unisexual-Bisexual Mating System: Hormones and Behavior
- 2010 TEXAS STATE UNIVERSITY, SAN MARCOS, Department of Biology. The maintenance of unisexuality: Behavior, hormones, and genetic diversity in a unisexual-bisexual mating complex.
- 2010 TEXAS A & M, Department of Biology, Evolutionary maintenance of a sexually parasitic livebearing fish.
- 2010 TEXAS STATE UNIVERSITY, SAN MARCOS, Department of Biology. Evolutionary maintenance of a sexually parasitic livebearing fish: ultimate and proximate perspectives
- 2009 UNIVERSITY OF ALABAMA, TUSCALOOSA, Department of Biology, Evolutionary maintenance of a sexually parasitic livebearing fish: ultimate and proximate mechanisms.
- 2009 RICE UNIVERSITY, Department of Biology, Evolutionary maintenance of a sexually parasitic species complex.
- 2008 GEORGIA STATE UNIVERSITY, Department of Biology, Evolutionary maintenance of a sexually parasitic livebearing fish: behavioral and hormonal Perspectives.
- 2008 AUCKLAND UNIVERSITY, Evolutionary maintenance of a sexually parasitic mating complex of livebearing fish.
- 2008 American Livebearers Association Conference, Evolutionary maintenance of a unisexual-bisexual species complex of mollies.
- 2007 SAM HOUSTON STATE UNIVERSITY, Department of Biology. Evolutionary maintenance of a unisexual-bisexual species complex of mollies.
- 2007 UNIVERSITY OF CALIFORNIA, DAVIS, Graduate Group in Ecology. Evolutionary maintenance of a unisexual-bisexual species complex.
- 2005 EASTERN MICHIGAN STATE UNIVERSITY, YPSILANTI, Department of Biology. Species recognition vs mate quality recognition in a unisexual-bisexual species complex.
- 2004 TEXAS STATE UNIVERSITY, SAN MARCOS Department of Biology. Species recognition versus mate quality recognition by sailfin molly males: Asexuals looking for sperm.
- 2003 UNIVERSITY OF LOUISIANA, LAFAYETTE, Department of Biology. Biology Seminar. Species Recognition versus Mate Quality Recognition.
- 2003 TEXAS STATE UNIVERSITY, SAN MARCOS Department of Biology. Speciation through mate choice and species recognition in fish?
- 2002 PALO ALTO COLLEGE, Department of Biology. Biology Seminar. Female receptivity and preference for big smelly males, male choice for conspecifics females.

- 2001 TRINITY UNIVERSITY, Department of Biology. Biology Seminar. Female receptivity and preference for big smelly males, male selectivity and preference for conspecifics over female parasites.
- 2001 SOUTHWESTERN UNIVERSITY, Department of Biology. Biology Seminar. Evolution of mate choice in mollies and newts: reproductive character displacement and sequential female choice.
- 2000 SAN ANTONIO COLLEGE, Bridges Program Chemistry Department. Journal Club. The evolution of courtship in newts and geographic variation in mate choice by sailfin mollies.
- 2000 UNIVERSITY OF TEXAS AT AUSTIN, Section of Integrative Biology. Reproductive Biology Seminar. Evolution of mate choice in mollies and newts: reproductive character displacement and sequential female choice.
- 2000 TEXAS STATE UNIVERSITY, SAN MARCOS Department of Biology, Evolution of mate choice in mollies and newts: reproductive character displacement and sequential female choice.
- 1999 UNIVERSITY OF TEXAS AT AUSTIN, Section of Integrative Biology. Population Biology Seminar. Reproductive character displacement in male mate choice in sailfin mollies.
- 1998 UNIVERSITY OF TEXAS AT AUSTIN, Department of Zoology. Female choice, male interference, and sperm precedence in the red-spotted newt.
- 1997 CANTERBURY UNIVERSITY, New Zealand, Department of Zoology. Differential kin discrimination by two species of newts and a preview of sperm precedence.
- 1997 UNIVERSITY OF VIRGINIA, Department of Biology. An arms race between female choice and male-male competition in newts.
- 1996 FLORIDA STATE UNIVERSITY, Department of Biological Sciences. Preference for larger individuals in sailfin mollies: is mate choice the only factor?
- 1996 JAMES MADISON UNIVERSITY, Biology Department. The effects of size and sex on the preferences for association in sailfin mollies.
- 1996 OREGON STATE UNIVERSITY, Biology Department. Differential kin discrimination by two species of newts, *Triturus v. vulgaris* and *Notophthalmus viridiscens*.
- 1996 UNIVERSITY OF TEXAS AT AUSTIN, Department of Zoology. Preference for association in sailfin mollies: interactions of size and sex.
- 1994 LOUISIANA STATE UNIVERSITY, Biology Department. Sequential mate choice by female smooth newts.
- 1994 THE OPEN UNIVERSITY, United Kingdom, Biology Department. Sequential mate choice by female smooth newts, *Triturus v. vulgaris*.
- 1994 MOUNTAIN LAKE BIOLOGICAL STATION, University of Virginia. Sequential mate choice by female smooth newts.
- 1994 CORNELL UNIVERSITY, Department of Neurobiology and Behavior. Sequential mate choice by female smooth newts.
- 1994 SIGMA XI SOCIETY, University of Southwestern Louisiana. Sequential mate choice by female smooth newts.
- 1993 MOUNTAIN LAKE BIOLOGICAL STATION, University of Virginia. The effects of prey type on territorial quality of the red-backed salamander.
- 1992 MOUNTAIN LAKE BIOLOGICAL STATION, University of Virginia. Effects of food resources on territorial quality of red-backed salamanders.

TEACHING EXPERIENCE

EVOLUTIONARY ECOLOGY, FALL 2010, 2006, 2004. Department of Biology, Texas State University. Graduate course. (3-15 students)

ANIMAL BEHAVIOR, FALL 2005, SPRING 2004. Department of Biology, Texas State University. Undergraduate course. (12-20 students)

POPULATION BIOLOGY SEMINAR, FALL 2009. Department of Biology, Texas State University.

GRADUATE SEMINAR, FALL 2006, 2003; Spring 2003, 2004, 2008, 2010 Department of Biology, Texas State University. Graduate course on varying topics in Behavioral Ecology. (1-15 students)

BEHAVIORAL ECOLOGY, SPRING 2006, FALL 2003, Spring 2002. Department of Biology, Texas State University. Graduate course. (5-12 students)

ORGANISMAL BIOLOGY, Fall 2001, 2002, 2008, 2009, 2011. Spring 2003, 2005 2010, Department of Biology, Texas State University. Undergraduate course (200 students)

ECOLOGY, EVOLUTION, AND SOCIETY, Spring 2000. Section of Integrative Biology, Univ. of Texas, Austin. Lecturer for non-majors undergraduate course and coordinate T. A. for discussion section.

ECOLOGY AND EVOLUTIONARY BIOLOGY, Fall 1999. Section of Integrative Biology, Univ. of Texas, Austin. Lecturer for majors undergraduate course and coordinate T. A. for discussion section.

BIOLOGICAL DIVERSITY 1992-93. Dept. of Biology, Univ. of Southwestern Louisiana.

- Teaching assistant (laboratory), responsible for lectures, exams, and laboratory set-up.

PRINCIPLES OF BIOLOGY 1991. Dept. of Biology, Univ. of Southwestern Louisiana.

- Teaching assistant (laboratory), responsible for lectures and exams.

GUEST TEACHING LECTURES

ECOLOGY (Undergraduate), Agnes Scott University

- Population Ecology with emphasis on my research 2008

ORGANISMAL BIOLOGY (Undergraduate), Southwest Texas State University

- Behavioral Ecology with emphasis on Sexual selection theory 2000 - 2005
- Behavioral Biology: introduction to Ethology 2001

EVOLUTION (Undergraduate), Southwest Texas State University

- Sexual selection: theories of Darwin, Fisher, Zahavi, and Maynard Smith 2001

ANIMAL BEHAVIOR (undergraduate), University of Texas, Austin

- Polyandry and Sperm competition. 1998

EVOLUTION AND ECOLOGY (undergraduate), University of Southwestern Louisiana

- Darwin's theory of sexual selection. 1997
- Theories of mate choice: why females tend to be choosy about sexual partners. 1997.
- Why human females are more coy and human males more aggressive: parental investment theory. 1996
- Sequential mating by females and sexual strategies. 1994

- Intraspecific competition and territoriality. 1992

EVOLUTIONARY ECOLOGY (graduate), University of Southwestern Louisiana

- Sexual selection: theories of Darwin, Fisher, Zahavi, and Maynard Smith. 1996
- Sexual selection: pre-existing biases and sensory drive. 1996
- Sexual selection: theories of Darwin, Fisher, Zahavi, and Maynard Smith. 1994

BEHAVIORAL ECOLOGY (graduate), University of Southwestern Louisiana

- Sperm Competition. 1993

UNDERGRADUATE STUDENTS MENTORED

Dominic DeSantis – 2010- present; Francis Rose Award for Excellence

Mitchell Benjamin – 2011- present

Bei Devolld – 2010 – present; Francis Rose Award for Excellence

Adam Contreras – 2010- present; Francis Rose Award for Excellence, Animal Behavior Society Turner Award

Lorena Rangel 2009-2010 - Francis Rose Award for Excellence in Undergraduate Research, Animal Behavior Society Turner Award

Mark Vanderslice 2008,

Nick Bertrand 2008,

Julia Coyle 2007-2008 - Francis Rose Award for Excellence in Undergraduate Research

Michelle Parmley 2007-2009 - Francis Rose Award for Excellence in Undergraduate Research, Durrenberger Scholarship for Women in Science, Animal Behavior Society Turner Award

Tamira Konkin-Garcia- 2007 Francis Rose Award for Excellence in Undergraduate Research, Durrenberger Scholarship for Women in Science, Runner up Mitte Honors Poster Presentation

Celeste Espinedo -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

Danielle King won –Turner Travel Award for Minorities to present at ABS conference 2003, Field Biology Award, and Smith-Wilms Biology Scholarship from TSU

Fouad Abedi, Holly Brewer, Andrew Dullnig, Christina Edeus, Rebecca Fields, Ray Gonzales, Rosie Gonzalez, Eric Holmes, Rachel Page, Paul Phillips IV, Melissa Ross, Bobby Schreiber, Christopher Setiawan, Seema Sidhwani, Jennifer Stahl, Tami Tarbox, Elizabeth Vanderwerkin, Carlene Worthington, Anthony Wubbena

THESIS COMMITTEES/ ADVISOR

Advisor:

1. Lily Swanbrow (Fall 2010-present) – MS
2. James Muraco (Fall 2010- present) – MS. Sigma Xi
3. Drew Davis (Spring 2010-present) – MS. Texas Herpetological Society Award, Howard McCarley Student Research Award from the Southwestern Association of Naturalists
4. Jacqueline Ma (Fall 2009- 2011) – MS – Thesis title: 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 Graduate Student poster 2010, Runner up Best WISE poster 2010.
5. John Waller (Spring 2009- summer 2009) – left for Lund University with his girlfriend
 6. Laura Alberici de Barbera (Fall 2006 – present) –PhD – Theodore Roosevelt Award, Texas Academy of Science Student Grant, Raney Award (ASIH), McCarley Award (SWAN), ALA Vern Parish Award, Sigma Xi; Durrenberger Scholarship for Women, Alexander Stone Genetics Scholarship Award, and Schluze Award
 7. Kristen Epp (2004 -2010) – PhD –Dissertation Title: 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, Durrenberger Scholarship for Women, Norris Scholarship
 8. Celeste Espinedo (Fall 2006 – 2008) –M.S.- Thesis title: The degree of reproductive isolating in *Gambusia affinis* and *Gambusia geiseri*. Durrenberger Scholarship, Best undergraduate student presentation Biology Colloquium
 9. Rosie Gonzalez (Fall 2004-2007) – M.S. Thesis title: Male mate choice in relation to female and male size in *Poecilia latipinna*
 10. Donelle Robinson (Fall 2004 -2006) – M. S. Thesis title: Differential sperm expenditure between species in the sailfin molly, *Poecilia latipinna*. Durrenberger Scholarship for Women. Three year RA from Dr. Morris at Ohio University for work on her PhD.
 11. Jennifer Gumm (2002-2004) – M.S. Thesis title: Species and mate-quality recognition in *Poecilia latipinna*. Five year teaching assistantship in the PhD program at Lehigh University with Dr. Itzkowitz
 12. Maria Thaker (2002-2004) – M. S. Thesis title: Sensory Cues, Association Preferences, and Social Interactions of the San Marcos Salamander (*Eurycea nana*). Best Graduate student presentation, Stoye Award (2004 ASIH meeting) and a 5 year RA in the PhD program at Indiana State University (Diana Hews and Steve Lima).

Committee Member:

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:

Nancy Kohn (2003-2008)- PhD. (University of Louisiana, Lafayette). Dissertation title: Tests of memory and individual recognition in the red-backed salamander

POSTDOCTORAL ADVISOR

Dr. Andrea Aspbury, University of Nebraska (2002-2004)

PROFESSIONAL SERVICE

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 (IEC) 2011.**

Allee Competition Judge for Behavior Conference 2011

Mentor for Minority Undergraduates at Animal Behavior Conference Summer (2003, 2010, 2011)

Public Affairs Committee chair -Animal Behavior Society - summer 2009-present

Coordinate and initiated the Evolution, Ecology, and Behavior (EEB) journal club (2000-present)

Co-Organized the **Eurycea Alliance Conference** at Texas State University – 29 attendees and 12 talks June 10, 2011

Organized the **Texas Poeciliid Biologist Conference** at Texas State University – 43 attendees and 18 talks December 14, 2009.

Associate Editor for *Behavioral Ecology and Sociobiology* (2005-present)

Associate Editor for *Amphibia-Reptilia* (2009-present)

Poster Judge Women in Science Conference 2010

Judge for the Hamilton Award –Evolution Conference 2008

Advisor to the Triathlon Club (2002- 2009)

Presented at Travis High School – Women in Science for Marty Wise Spring 2006

Panelist for Women in Science discussion at the Lady Bird Johnson Wildflower center (spring 2005, 2006)

Poster Judge for Society for Advancement of Chicanos and Native Americans in Science (fall 2004)

SMTEI mentor for Lanier, TX high school teacher Matt Holmes (summer 2001-2003)

REVIEWS

JOURNALS

Acta Ethologica, Amphibia-Reptilia, Animal Behaviour, American Naturalist, Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biological Journal of the Linnean Society, Copeia, Ethology, Ethology, Ecology, and Evolution, Evolution, Evolutionary Ecology, Herpetologica, International Journal of Zoology, Journal of Environmental Biology, Journal of Ethology, Journal of Fish Biology, Journal of Herpetology, Naturwissenschaften, Proceedings of National Academy of Science, Proceedings of the Royal Society of London, Series B Biological Science, Southwest American Naturalist, Zoo Biology

EXTERNAL GRANT REVIEWER

NSF Graduate Research Fellowship Panel Review 2010, 2011

NSF DOB Panel Reviewer 2005

NSF x 13 (2002-2010)

Austrian Science Fund (FWF) the Austrian equivalent to NSF x1

Jeffress Grant Foundation 2010

Review for Austin Community Foundation administers the Barton Springs Salamander Conservation Fund summer 09

TEXTBOOK AND LAB MANUAL REVIEWS

Investigative Biology Lab Manual, Morgan & Carter for 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

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science, Animal Behavior Society,
International Society for Behavioral Ecology, Sigma Xi, The Scientific Research
Society, Society for the Study of Evolution