

TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Michael Forstner Title: Professor of Biology

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1995	Texas A&M University, College Station, TX	Genetics	Phylogenetic relationships of primitive snakes
M.Sc.	1991	Sul Ross State University, Alpine, TX	Zoology	Venom variation in rock rattlesnakes
B.Sc.	1988	Southwest Texas State University, San Marcos, TX	Zoology	

C. University Experience

Position	University	Dates
Alexander-Stone Chair of Genetics	Texas State University, San Marcos, TX	2008-Present
Professor	Texas State University, San Marcos, TX	2007-Present
Curator Vertebrate Collections	Texas State University, San Marcos, TX	2005-Present
Associate Professor	Texas State University, San Marcos, TX	2003-2007
Assistant Professor	Southwest Texas State University, San Marcos, TX	2000-2003
Assistant Professor	Florida Atlantic University, Davie, FL	1997-1999
Research Officer (Post-Doctoral)	Columbia University, New York, NY	1995-1999

D. Relevant Professional Experience

Position	Entity	Dates
Research Associate	Texas Tech Museum, Texas Tech University, Lubbock	2007-Present
Visiting Research Associate	Texas Cooperative Wildlife Collection, Texas A&M University, College Station	2003-Present

II. SCHOLARLY/CREATIVE

A. Works In Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

N/A

b. Textbooks:

N/A

c. Edited Books:

d. N/A

e. Chapters in Books:

2009

- Forstner, M.R.J., J.R. Dixon, T.M. Guerra, J.L. McKnight, J. Stuart, and S.K. Davis. (accepted Dec 9, 2005). Status of U.S. populations of the Big Bend slider (*Trachemys gaigeae*). Proceedings of the 6th Symposium of the Chihuahuan Desert Research Institute.
- Rosenthal, J. and M.R.J. Forstner. (accepted Nov 18, 2005). Effects of a Pleistocene Barrier on Chihuahuan desert herpetofauna. Proceedings of the 6th Symposium of the Chihuahuan Desert Research Institute.
- Bailey, L., M.R.J. Forstner, J.R. Dixon, and R. Hudson. (accepted Nov 18, 2005). The Status of *Pseudemys gorzugi* (The Rio Grande River Cooter) in Texas River Systems. Proceedings of the 6th Symposium of the Chihuahuan Desert Research Institute.

2005

- Miller, L.A., J.D. Baldwin, B.K. Mealey, G.M. Parks, and M.R.J. Forstner. 2005. Insights into turtle conservation from observations of the diamondback terrapin, *Malaclemys terrapin* in Florida Bay. Chapter 20; pgs 178-184. In: *Conservation of Florida reptiles and amphibians*. Krieger Publishing, Malabar, FL. ISBN 1-57524-251-6. 334 pgs.
- Mealy, B.K., G.M. Parks, J.D. Baldwin, and M.R.J. Forstner. 2005. Island ecology of snakes in the Florida Keys: the Mangrove snake, *Nerodia clarkii compressicauda*, and insular populations of the Eastern diamondback rattlesnake, *Crotalus adamanteus*. Chapter 19; pgs 169-177. In: *Conservation of Florida reptiles and amphibians*. Krieger Publishing, Malabar, FL. ISBN 1-57524-251-6. 334 pgs.

2001

- Fitzsimmons, N.N., S. Tanksley, M.R.J. Forstner, E.E. Louis, R. Daglish, J. Gratten, and S. Davis. 2001. Microsatellite markers for *Crocodylus*: new genetic tools for population genetics, mating system studies and forensics. p. 51-57. In: *Crocodile Biology and Evolution*, Grigg, G. C., Seebacher, F. & Franklin, C.E. (eds.). Surrey Beatty, Sydney.
- White, C.M., C.G. Messing, M.S. Shivji, and M.R.J. Forstner. 2001. Initial phylogeny of the Comasteridae (Crinoidea) from mtDNA sequences. pgs. 135-138. In: Barker, M. (ed.) *Echinoderms 2000*; Proc. Tenth International Echinoderm Conference, Dunedin, N.Z., 2000. Balkema, Rotterdam.
- Forstner, M.R.J. and J.M. Forstner. 2001. Aplicaciones del DNA en la conservación de los crocodrilianos. (Applications of genetics in crocodilian conservation). In: *La Conservación y el Manejo de Caimanes Y Crocodrilos de America Latina Volumen 2. (Conservation and Management of Caimans and Crocodiles of Latin America, Volume 2)*. Luciano M. Verdade and Alejandro Larriera (eds.) La Región, Fundación Banco Bica, Santo Tomé, Sante Fe, Argentina.

f. Creative Books:

N/A

2. Articles

a. Refereed Journal Articles: (Student first authors, *first publications*)

2009

- Brown, D. and M.R.J. Forstner. (submitted July 3, 2008, accepted Dec 19, 2008). Efficient handling of *Siren sp.* and *Amphiuma spp.* in the field. Herpetological Review
- Farallo, V., R. Swanson, J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2009. (submitted Sept 30, 2008, accepted Oct 4, 2008). Filling in the gaps: New county records for the Mediterranean gecko (*Hemidactylus turcicus*) in Central Texas. Applied Herpetology
- Swanson, R., Farallo, V., J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2009. Geographic distribution. Blanco County. *Hemidactylus turcicus*. Herpetological Review 39(4):*in press*
- Gaertner, J.P., M.A. Gaston, D. Spontak, M.R.J. Forstner, and D. Hahn. (submitted Oct 24, 2008, accepted Dec 2, 2008). Seasonal variation in the detection of *Batrachochytrium dendrobatidis* in a Texas population of Blanchard's cricket frog (*Acris crepitans blanchardi*). Herpetological Review.
- Gaertner, J., M.R.J. Forstner, L. O'Donnell, D. Hahn. (accepted July 10, 2008). Detection of *Barachochytrium dendrobatidis* in endemic salamander species from Central Texas. EcoHealth
- Gaertner, J., T. Garres, J.C. Becker, M.L. Jimenez, M.R.J. Forstner, F.L. Rose, and D. Hahn. 2009. Temporal analyses of Salmonellae in a headwater spring ecosystem. Journal of Water and Health 7(1):115-121.
- McCracken, S., J.P. Gaertner, M.R.J. Forstner, and D. Hahn. (accepted Dec 23, 2008). Detection of *Batrachochytrium dendrobatidis* in amphibians from the Upper Amazon Basin (Yasuni National Park, Ecuador). Herpetological Review
- Small, M.F., M.R.J. Forstner, J.T. Baccus. (submitted Nov 10 2007, revised resubmitted Feb 1, 2008, acceptance 5 June 08). Are karyotypes representative of taxonomy?: a simple test in R. Texas Journal of Science
- Swannack, T.M., W. Grant, and M.R.J. Forstner. (submitted Jan 18, 2008, accepted Sept 5, 08, online Oct 23, 08). Projecting population trends of endangered amphibian species in the face of parametric uncertainty. Ecological Modeling

2008

- Bailey, L.A., J.R. Dixon, R. Hudson, and M.R. J. Forstner. 2008. Minimal genetic structure in the Rio Grande cooter (*Pseudemys gorzugi*). SWAN 53(3):406-411.
- Brown, D., J.R. Dixon and M.R.J. Forstner. 2008. Geographic distribution. *Graptemys pseudogeographica kohni*. Herpetological Review 39(4):481.
- Farallo, V., R. Swanson, J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2008. Geographic distribution. Hays County, Texas. (*Lithobates sphenacephala*) (= *Rana sphenacephala*). Herpetological Review 39(3):363.
- Farallo, V., R. Swanson, J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2008. Geographic distribution. Guadalupe County, Texas. *Hemidactylus turcicus*. Herpetological Review 39(3):368.
- Farallo, V., R. Swanson, J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2008. Geographic distribution. McMullen County, Texas. *Coluber constrictor flaviventris*. Herpetological Review 39(4):484.
- Ferguson, A.W., W. Weckerly, J.T. Baccus, M.R.J. Forstner. 2008. Estimates and Effects of Vertebrate Predation on Drift Fence Associated Pitfall Traps. SWAN 53(4):450-457.
- Ferguson, A.W., M. McDonough, and M.R.J. Forstner. 2008. Herpetofaunal Inventory of Camp Mabry, Austin Texas: Community composition in an Urban Landscape. Texas Journal of Science 60(2):123-136.
- Fujii, A., D. Welchert, M.R.J. Forstner. 2008. Geographic distribution. Aransas County, Texas. *Gopherus berlandieri*. Herpetological Review 39(4):481.

- Gaertner, J., P.E. Wheeler, S. Obafemi, J. Valdez, M.R.J. Forstner, T.H. Bonner, and D. Hahn. 2008. Detection of salmonellae from fish in a natural river system. *Journal of Aquatic Animal Health* 20:150-157.
- Gaertner, J.P., D. Hahn, F.L. Rose, and M.R.J. Forstner. 2008. Detection of Salmonellae in different turtle species within a headwater spring ecosystem. *Journal of Wildlife Diseases* 44(2):519-526.
- Gaertner, J.P., D. Hahn, J. Jackson, F.L. Rose, and M.R.J. Forstner. 2008. Detection of salmonellae in captive and free-living turtles. *Journal of Herpetology* 42(2):223-231.
- Jackson, J., D.E. Starkey, R. W. Guthrie and M.R.J. Forstner. 2008. A mitochondrial DNA phylogeny of extant species of the genus *Trachemys* and resulting taxonomic implications. *Chelonian Conservation Biology* 7(1):131-135.
- Jones, M.C., J. Troy, and M.R.J. Forstner. 2008. Geographic Distribution. *Crotalus atrox*. *Herpetological Review* 39(2):240.
- McCracken, S.F. and M.R.J. Forstner. 2008. Canopy bromeliad patch sampling protocol for herpetofauna in neotropical forests. *Herpetological Review* 39(2):170-174.
- McVay, J.D., D. Rodriguez, T.R. Rainwater, J.A. Dever, S.G. Platt, S.T. McMurry, M.R.J. Forstner and L.D. Densmore. 2008. Evidence of Multiple Paternity in Morelet's Crocodile (*Crocodylus moreletii*) in Belize, CA, Inferred from Microsatellite Markers. *Journal of Experimental Zoology A, Ecological Genetics and Physiology* 309A(10): 643-648.
- Rodriguez, D., J.R. Cedeño-Vázquez, M.R. J. Forstner, and L.D. Densmore III . 2008. Hybridization Between the American (*Crocodylus acutus*) and Morelet's crocodile (*Crocodylus moreletii*) in the Yucatan Peninsula: II. Evidence from microsatellites. *Journal of Experimental Zoology A, Ecological Genetics and Physiology* 309A(10):674-686.
- Swanson, R., Farallo, V., J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2008. Geographic distribution. Caldwell County, Texas. *Hemidactylus turcicus*. *Herpetological Review* 39(3):367.
- Swanson, R., V. Farallo, J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2008. Geographic distribution. DeWitt County. *Anolis carolinensis*. *Herpetological Review* 39(4):482.
- Swanson, R., V. Farallo, J.R. Troy, G.R. Hood, and M.R.J. Forstner. 2008. Geographic distribution. Bee County. *Eleuthrodactylus cystignathoides*. *Herpetological Review* 39(4):478.
- Tan, Sik-Loo, A. Mohd-Adnan, M.R.J. Forstner, N. Y. Mohd-Yusof, K. Wan. 2008. Identification and analysis of a prepro-chicken gonadotropin releasing hormone II (preproGnRH-II) precursor in the Asian seabass, *Lates calcarifer*, based on an EST-based assessment of its brain transcriptome. *GENE* 411(1-2):77-86.
- Weaver, J.P., D. Rodriguez, M.R.J. Forstner, L.D. Densmore III. 2008. A Genetic Characterization of the Cuban Crocodile (*Crocodylus rhombifer*) Using Zoological Samples. *Journal of Experimental Zoology A, Ecological Genetics and Physiology* 309A(10):649-660.
- 2007**
- Bell, J., J.R. Dixon, and M.R.J. Forstner. 2007. Geographic Distribution: *Chelydra serpentina*. Hill County. *Herpetological review* 38(4):479.
- Bell, J., J.R. Dixon, and M.R.J. Forstner. 2007. Geographic Distribution: *Scaphiopus huerteri*. Hill County. *Herpetological review* 38(4):478.
- Bryson, R., J. Pastorini, F. Burbrink, and M.R.J. Forstner. 2007. A phylogeny of the *Lampropeltis mexicana* complex (Serpentes:Colubridae) based on mitochondrial DNA sequences suggests evidence for species-level polyphyly within *Lampropeltis*. *Molecular Phylogenetics and Evolution* 43:674-684.
- Buzo, D., M.A. Gaston, J.A. Parlos, J.R. Dixon and M.R.J. Forstner. 2007. Geographic distribution: *Anolis carolinensis*, Burnet County, TX. *Herpetological Review*. 38(4):481.

- Feltoon, A.R., C. Lehn, T. Guerra, and M.R.J. Forstner. 2007. Isolation and characterization of six microsatellites in the Mexican beaded lizard *Heloderma horridum*. *Molecular Evolution Notes* 7:433-435.
- Gaston, M.A., E. Riedlinger, A. Fujii, and M.R.J. Forstner. 2007. Geographic Distribution: *Pseudacris clarki*. Borden County. *Herpetological review* 38(4):477
- Gaston, M.A., L.M. Villalobos, D. Buzo, and M.R.J. Forstner. 2007. Geographic Distribution: *Rana clamitans*. Milam County. *Herpetological review* 38(4):477
- Gaston, M.A., L.M. Villalobos and M.R.J. Forstner. 2007. Geographic Distribution: *Chelydra serpentina*. Milam County. *Herpetological review* 38(4):479
- Hahn, D., J. Gaertner, M.R.J. Forstner, and F. Rose. 2007. High-resolution analysis of Salmonellae from turtles within a headwater spring ecosystem. *FEMS Microbiology Ecology* 60(1):148-155.
- Jones, M.C., T.R. Simpson, R. Manning, and M.R.J. Forstner. 2007. Texas shrews (*Blarina*) lacking external eye openings. *Southeastern Naturalist* 6(4):752-754.
- Lehn, C., I. Das, M.R.J. Forstner, R. Brown. 2007 Responsible vouchering in turtle research: an introduction and recommendations. *Chelonian Conservation and Biology: Chelonian Research Monographs* 4:146-155.
- McAllister, C.T., M.R.J. Forstner, and J.P. Fuller. 2007 Second report of the Southern Painted Turtle, *Chrysemys dorsalis* (TESTUDINES: EMYDIDAE), from Texas, with comments on its genetic relationship to other populations. *Texas Journal of Science* 59(2):155-160.
- McCracken, S., M.R.J. Forstner, and J.R. Dixon. 2007. A new frog in the genus *Eleutherodactylus* from the bromeliad canopy of Ecuador. *Phyllomedusa* 6(1):23-35.
- McCracken, S.F., C. Stinson, P. Keller, and M.R.J. Forstner. 2007. Geographic Distribution: *Holbrookia propinqua propinqua*. Calhoun County, TX. *Herpetological review* 38(4):484.
- McHenry, D., S. McCracken, and M.R.J. Forstner. 2007. Geographic Distribution: *Pseudemys texana*. *Herpetological Review*. 38(2):217.
- McHenry, D., T. Hibbits, J.R. Dixon and M.R.J. Forstner. 2007. Geographic Distribution: *Pseudemys texana* Burnet County, TX. *Herpetological review*. 38(4):480.
- Swannack, T.M. and M.R.J. Forstner. 2007. Possible cause for the sex-ratio disparity of the endangered Houston Toad (*Bufo houstonensis*). *SWAN* 52(3):386-392.
- Syed, G.P., H. Ota, R. Hudson, K. Buhlman, and M.R.J. Forstner. 2007. Genetics and the application of captive breeding in the conservation of freshwater turtles and tortoises. *Chelonian Conservation and Biology: Chelonian Research Monographs* 4:156-166.
- 2006
- Bates, C., M.R.J. Forstner, M. Barnes, M. Whiteley R.J.C. McClean. 2006. Identification of Heterotrophic limestone-adherent biofilm isolates from an uncontaminated freshwater karst aquifer. *Southwestern Naturalist*. 51(3):299-309
- Duvall-Jisha, J., J. Jackson, and M.R.J. Forstner. 2006. Geographic Distribution. *Nerodia rhombifer*. *Herpetological Review*. 37(4):499.
- Ferguson, A.W. and M.R.J. Forstner. 2006. Design and implementation of a predatory exclusion device for pitfall traps. *Herpetological Review*. 37(3):316-317.
- Jackson, J.T., F.W. Weckerly, T.M. Swannack, M.R.J. Forstner. 2006. Imperfect detection and number of auditory surveys for Houston toads. *J. Wildlife Management*. 70(5):1461-1463.
- Lutz-Carrillo, D.J., C.C. Nice, T.H. Bonner, M.R.J. Forstner and L.T. Fries. 2006. Admixture analysis of Florida largemouth bass and northern largemouth bass using microsatellite loci. *Transactions of the American Fisheries Society*. 135:779-791.
- McAliley, L. R., R. E. Willis, M.R.J. Forstner, T. Guerra, and L. D. Densmore III. 2006. Eight Microsatellite Markers for the San Esteban Chuckwalla, *Sauromalus varius*. *Molecular Evolution Notes*. 6(3):759-761.
- McCracken, S. and M.R.J. Forstner. 2006. Natural History Note. Geophagy. *Bufo margarifer*. *Herpetological Review*. 37(1):72-73.

- McCracken, S.F. and M.R.J. Forstner. 2006. Reproductive ecology and behavior of *Eleuthrodactylus aureolineatus* (Anura, Brachycephalidae) in the canopy of the Upper Amazon Basin, Ecuador. *Phyllomedusa* 5(2):135-43.
- McVay, J. and M.R.J. Forstner. 2006. Geographic Distribution. *Bufo debilis debilis*. *Herpetological Review*. 37(4):486.
- McVay, J. and M.R.J. Forstner. 2006. Geographic Distribution. *Gyalopion canum*. *Herpetological Review*. 37(3):362.
- McVay, J. and M.R.J. Forstner. 2006. Geographic Distribution. *Lampropeltis getula splendida*. *Herpetological Review*. 37(3):363.
- Parlos, J., Jisha-Duvall, J., and M.R.J. Forstner. 2006. Geographic Distribution. *Agkistrodon piscivorus*. *Herpetological Review*. 37(4):496.
- Parlos, J.A., J. Duvall, and M.R.J. Forstner. 2006. Geographic Distribution. *Opheodrys aestivus*. *Herpetological Review*. 37(4):499.
- Rodriguez, D., J. Duvall, and M.R.J. Forstner. 2006. Geographic Distribution. *Graptemys pseudogeographica kohnii*. *Herpetological Review*. 37(4):492.
- Rose, F.L., T.R. Simpson, M.R.J. Forstner, D.J. McHenry, and J. Williams. 2006. Taxonomic status of the Coastal cricket frog (*Acris gryllus paludicola*): In search of the pink frog. *J. Herpetology*. 40(4):429-435.
- Swannack, T.M., J.T. Jackson, and M.R.J. Forstner. 2006. Natural History Note. *Bufo houstonensis* (Houston toad) juvenile dispersal. *Herpetological Review*. 37(3):335 AND 37(2):199-200.
- 2005
- Bailey, L., J. Jackson, A. Ferguson, M.R.J. Forstner, and J.R. Dixon. 2005. Geographic Distribution. Brewster County, Texas. *Pseudemys gorzugi*. *Herpetological Review*. 36(4):465-466.
- Bailey, L., J.R. Dixon, and M.R.J. Forstner. 2005. Natural History Note. Color Pattern. Reticulate melanism in *Pseudemys gorzugi*. *Herpetological Review*. 36(3):313.
- Ferguson, A.W. and M.R.J. Forstner. 2005. Geographic Distribution. *Lampropeltis calligaster*. *Herpetological Review*. 36(4):469.
- Ferguson, A.W. and M.R.J. Forstner. 2005. Geographic Distribution. *Farancia abacura reinwardti* (Western Mudsnake). *Herpetological Review*. 36 (2):203.
- Jackson, J., M.R.J. Forstner, and M. Duran. 2005. Geographic Distribution. *Cemophora coccinea lineri*. *Herpetological Review*. 36(4):469.
- Jones, M., S. Reilly, M.R.J. Forstner, and J.R. Dixon. 2005. Geographic distribution. *Regina grahami* (Crayfish snake). *Herpetological Review*. 36(4):470.
- Jones, M., S. Reilly, M.R.J. Forstner, and J.R. Dixon. 2005. Geographic distribution. *Bufo punctatus* (Red spotted toad). *Herpetological Review*. 36(4): 462.
- McCracken, S., J. R. Dixon and M.R.J. Forstner. 2005. Geographic Distribution. *Agkistrodon piscivorus leucostoma*. *Herpetological Review*. 36(3):338.
- McLean, R. J.C. M.B. Barnes, M.K. Windham, M. Merchant, M.R.J. Forstner, and C. Fuqua. 2005. Cell-cell influences on bacterial community development in aquatic biofilms. *Applied Environmental Microbiology*. 71(12):8997-8990.
- Pastorini, J., P. Fernando, M.R.J. Forstner, D.J. Melnick. 2005. Characterization of new microsatellite loci for the ring-tailed lemur (*Lemur catta*). *Molecular Ecology* 5:149-151.
- Reilly, S.M., R.W. Manning, C.C. Nice, and M.R.J. Forstner. 2005. Systematics of the Texas endemic *Blarina*. *Journal of Mammalogy*. 86(5):887-894.
- Stout, J., L. Bailey, J.R. Dixon, M.R.J. Forstner. 2005. Natural History Note. Maximum Size. *Pseudemys gorzugi*. *Herpetological Review*. 36(4):443.
- 2004
- Bailey, L. and M.R.J. Forstner. 2004. Geographic Distribution. Maverick County, Texas. *Pseudemys gorzugi*. *Herpetological Review* 35(4):407.

- Pastorini, J., P. Fernando, D.J. Melnick, and M.R.J. Forstner. 2004. Isolation of ten microsatellite markers for mongoose lemurs (*Eulemur mongoz*). *Journal of Molecular Evolution* 4:67-69.
- 2003
- Dixon, J., M.R.J. Forstner, D.M. Garcia. 2003. Evolutionary history of the *alpha*-actinin gene family: a phylogenetic investigation. *Journal of Molecular Evolution* 56(1):1-10.
- Forstner, M.R.J. and T.L. Ahlbrandt. 2003. Abiotic pond characteristics potentially influencing breeding of Houston toads (*Bufo houstonensis*). *Texas Journal of Science* 55(4): 315-322.
- Greuter, K., M.R.J. Forstner. 2003. Natural History Note. Juvenile Growth. Houston toad (*Bufo houstonensis*). *Herpetological Review* 34(4):355-356.
- Starkey, D.E., H.B. Shaffer, R.L. Burke, M.R.J. Forstner, J.B. Iverson, F.J. Janzen, A.G.J. Rhodin, and G.R. Ultsch. 2003. Molecular systematics, phylogeography, and the effects of Pleistocene glaciation in the Painted turtle (*Chrysemys picta*) complex. *Evolution* 57(1):119-128.
- Swannack, T.M. and M.R.J. Forstner. 2003. Natural History Note. Diet. *Micrurus fulvius tener*. *Herpetological Review* 34(4):376.
- 2002
- Ahlbrandt, L., K. Jones and M.R.J. Forstner. 2002. Geographic distribution. *Crotalus horridus* (Timber Rattlesnake). *Herpetological Review* 33(3):227
- Pastorini, J., M.R.J. Forstner, R.D. Martin. 2002. Phylogenetic relationships of gentle lemurs (*Haplemur*). *Evolutionary Anthropology, Suppl* 1:150-154.
- Pastorini, J., M.R.J. Forstner, R. D. Martin. 2002. Evolutionary history and species divergence in the family Lemuridae (*Primates*). *J. Human Evolution* 43:463-478
- Raxworthy, C.J., Forstner, M.R.J. & Nussbaum, R.A. 2002. Chameleon radiation by oceanic dispersal. *Nature* 415:784-787.
- 2001
- Andayani, N., J.C. Morales, M.R.J. Forstner, J. Supriatna, and D.J. Melnick. 2001. Genetic variability in mitochondrial DNA of the Javan gibbon (*Hylobates moloch*): implications for the conservation of a critically endangered species. *Conservation Biology* 15(3):770-775.
- Gaston, M., E. Gaston, J.R. Dixon, L. Sherrod and M.R.J. Forstner. 2001. Geographic distribution. *Kinosternon flavescens*. *Herpetological Review* 32(3):192.
- Gaston, M., E. Gaston, J.R. Dixon, L. Sherrod and M.R.J. Forstner. 2001. Geographic distribution. *Trachemys scripta*. *Herpetological Review* 32(3):192.
- Gaston, M., E. Gaston, M.R.J. Forstner, J.R. Dixon, and L. Sherrod. 2001. Geographic distribution. *Kinosternon flavescens*. *Herpetological Review* 32(4):274.
- Gaston, M., M.R.J. Forstner, J.R. Dixon and L. Sherrod. 2001. Geographic distribution. *Trachemys scripta*. *Herpetological Review* 32(4):274-275.
- Gaston, M., T. Swannack, L. Ahlbrandt and M.R.J. Forstner. 2001. Geographic distribution. *Ambystoma tigrinum*. *Herpetological Review* 32(4):267.
- Gaston, M., T. Swannack, L. Ahlbrandt and M.R.J. Forstner. 2001. Geographic distribution. *Ambystoma tigrinum*. *Herpetological Review* 32(3):188.
- Gaston, M.A., J.R. Dixon and M.R.J. Forstner. 2001. Geographic distribution. *Bufo houstonensis*. *Herpetological Review* 32(3):189-190.
- Gaston, M.A., M.R.J. Forstner, J.R. Dixon. 2001. Geographic distribution. *Bufo houstonensis*. *Herpetological Review* 32(4):269.
- Pastorini, J., M.R.J. Forstner, and R.D. Martin. 2001. Phylogenetic history of sifakas (*Propithecus*: Lemuriformes) derived from mtDNA sequences. *American Journal of Primatology* 53:1-17.
- Pastorini, J., R.D. Martin, P. Ehresmann, E. Zimmermann, and M.R.J. Forstner. 2001. Molecular phylogeny of the lemur family Cheirogaleidae (Primates) based on mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 19:45-56.

2000

Pastorini, J., M.R.J. Forstner, and R.D. Martin. 2000. Relationships among brown lemurs (*Eulemur fulvus*) based on mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 16:418-429.

1998

Forstner, J.M., M.R.J. Forstner, and J.R. Dixon. 1998. Ontogenetic prey change in two sympatric East Texas ranids: the southern leopard frog, *Rana sphenocephala* and the bronze frog, *Rana clamitans*. *Herpetological Review* 29(4):208-211.

Forstner, M.R.J., J.R. Dixon, J.M. Forstner, and S.K. Davis. 1998. Apparent hybridization between *Cnemidophorus gularis* and *C. septemvittatus* from an area of sympatry in Southwest Texas. *Journal of Herpetology* 32(3):418-425.

Pastorini, J., M.R.J. Forstner, R.D. Martin, and D.J. Melnick. 1998. A re-examination of the phylogenetic position of *Callimico* (Primates) incorporating new mitochondrial DNA sequence data. *Journal of Molecular Evolution* 47:32-41.

1997

Forstner, M.R.J., J.R. Dixon, and D.E. Starkey. 1997. An improved method for formalin fixation of large vertebrates. *Herpetological Review* 28(2):77.

Forstner, M.R.J., R.A. Hilsenbeck, and J.F. Scudday. 1997. Geographic variation in whole venom profiles from the mottled rock rattlesnake (*Crotalus l. lepidus*) (Kennicott) in Texas. *Journal of Herpetology* 31(2):277-285.

Gonder, K., J. Oates, T. Disotell, M.R.J. Forstner, J.C. Morales, and D.J. Melnick. 1997. A new chimpanzee subspecies in West Africa? *Nature* 388:337.

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b. Non-refereed Articles:

Dixon, J.R., T. Hibbits, and M.R.J. Forstner. 2007. Texas Herpetological Literature 2000-2006(7). *Texas Herpetological Society Publications* 2007(1):1-58.

Bailey, L. and M.R.J. Forstner. 2005. **Species Account**. The Rio Grande River cooter (*Pseudemys gorzugi*). Pgs 1075-1076. In: S. Bender, S. Shelton, K. Bender, and A. Kalmbach (eds.). *Texas comprehensive wildlife conservation strategy 2005-2010*. Texas Parks and Wildlife Department, NonGame Division. Austin, TX. 1131pgs. September 2005.

Forstner, M.R.J. 2005. **Species Account**. The Big Bend slider (*Trachemys gaigeae*). Pgs 1024-1025. In: S. Bender, S. Shelton, K. Bender, and A. Kalmbach (eds.). *Texas comprehensive wildlife conservation strategy 2005-2010*. Texas Parks and Wildlife Department, NonGame Division. Austin, TX. 1131pgs. September 2005.

Jackson, J.T. and M.R.J. Forstner. 2005. **Species Account**. The Texas scarlet snake (*Cemophora lineari*). Pgs 1097-1098. In: S. Bender, S. Shelton, K. Bender, and A. Kalmbach (eds.). *Texas comprehensive wildlife conservation strategy 2005-2010*. Texas Parks and Wildlife Department, NonGame Division. Austin, TX. 1131pgs. September 2005.

Schaffer, H.B., M.R.J. Forstner, H.D. Philippen, P.J. Baker, and P.Q. Spinks. 2001. **Proceedings Chapter**. Systematics. In: *IUCN Asian Turtle Workshop: Developing conservation strategies through captive management*. Pp.79-86.

3. Abstracts:

2009

Gaston, M.A., T.R. Simpson, F.L. Rose, and M.R.J. Forstner. 2009. Abstract. Geographic variation in male cricket frogs (*Acris blanchardi*): a behavioral and morphological

- assessment across three central Texas river basins, with comments on systematics. SWAN, Monterrey MX, April 2009.
- Gaston, M.A., A. Fujii, F. Weckerly, M.R.J. Forstner. 2009. Abstract. Allee effects in a critically endangered Texas toad (*Bufo houstonensis*): possible negative impacts of artificial ponds. SWAN, Monterrey MX, April 2009.
- McHenry, D. and M.R.J. Forstner. 2009. Abstract. Identification of Texas bufonids using mitochondrial markers. Texas Academy of Science, Junction, TX. March 2009.
- Farallo, V. and M.R.J. Forstner. 2009. Abstract. Two are better than one: improved funnel trap design. Texas Academy of Science, Junction, TX. March 2009.
- 2008
- Fujii, A and M.R.J. Forstner. 2008. Abstract. The Texas Tortoise (*Gopherus berlandieri*) the only *Gopherus* without a plan; defining conservation units in Southern Texas. Joint meeting TSA and IUCN/SSC Tortoise and freshwater turtle specialist group. Sept 17-20, Tucson, AZ.
- Fujii, A and M.R.J. Forstner. 2008. Abstract. Phylogeography and Conservation of the Texas Tortoise (*Gopherus berlandieri*) in Southern Texas. SW PARC meeting, June 5-8, 2008, Austin, TX.
- Forstner, M.R.J., D. McHenry, D. Buzo, and J.R. Dixon. Abstract. Active stewardship toward recovery of the Houston toad (*Bufo houstonensis*). SW PARC meeting, June 5-8, 2008, Austin, TX.
- Forstner, M.R.J., J. Jackson, L. Bailey, and J.R. Dixon. Abstract. The Status of *Trachemys gaigeae* and *Pseudemys gorzugi* (Reptilia:Emydidae) in the Rio Grande Basin. SW PARC meeting, June 5-8, 2008, Austin, TX.
- Gaston, M. and M.R.J. Forstner. Abstract. Patterns of behavioral and morphological variation in male *Acris crepitans* across three adjacent central Texas river basins. 13th Annual Biology Student Colloquium. March 28, 2008, Texas State University, San Marcos, TX.
- Duvall-Jisha, J. Abstract. Arthropod diversity during drought conditions. 13th Annual Biology Student Colloquium. March 28, 2008, Texas State University, San Marcos, TX.
- Farallo, V. and M.R.J. Forstner. Abstract. Two are better than one: efficient funnel trap design. 13th Annual Biology Student Colloquium. March 28, 2008, Texas State University, San Marcos, TX.
- Buzo, D., M.R.J. Forstner, M.C. Green and M.A. Fonstad. Abstract. A GIS predictive habitat distribution model for the Houston toad (*Bufo houstonensis*) in Bastrop and Lee counties, Texas. 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas. *Winner Honorable Mention Best Graduate Student Oral Presentation \$50.
- Duvall-Jisha, J.H., A. Blair, M.R.J. Forstner. Abstract. Arthropod diversity during drought conditions. 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- McCracken, S. and M.R.J. Forstner. Abstract. Does the canopy hold a missing piece of the Amazon rainforest amphibian diversity? New species from a new frontier in Yasuní National Park - Amazonian Ecuador. 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- McHenry, D.J. and M.R.J. Forstner. Abstract. Preliminary results from a population genetics study of coastal plains toads (*Bufo nebulifer*). 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- Parlos, J. and M.R.J. Forstner. Abstract. From Texas to California: population genetic and phylogenetic results in the Cave myotis. 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- Parlos, J. and M.R.J. Forstner. Abstract. Intrapsecific Variation among Cave Myotis Inferred from the Mitochondrial Cytochrome b Gene. Texas Society of Mammalogists, 26th annual meeting, 22-24 February, Junction, Texas.

- Rodriguez, D. J.D. McVay, M.R.J. Forstner, L.D. Densmore. Abstract. Population genetics of the Concho water snake (*Nerodia paucimaculata*) in comparison to Harter's water snake (*Nerodia harteri*) and the blotched water snake (*Nerodia erythrogaster transversa*). 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- Vandewege, M., D. Rodriguez, J.P. Weaver, M.R.J. Forstner, and L.D. Densmore. Abstract. Population genetics of the Texas rat snake (*Elaphe obsoleta lindheimeri*). 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- Weaver, J.P., D. Rodriguez, M. Venegas-Anaya, J.R. Cedeno-Vasquez, M.R.J. Forstner, and L.D. Densmore. Abstract. Incongruence of species designations as determined by mitochondrial and nuclear DNA: an example from the Cuban crocodile (*Crocodylus rhombifer*). 111th Annual meeting of the Texas Academy of Sciences, March 6-8, Texas A&M Corpus Christi, Corpus Christi, Texas.
- Bean, P., T.H. Bonner, J.T. Jackson, and M.R.J. Forstner. Abstract. An extant population of Headwater catfish (*Ictalurus lupus*) in a western gulf slope drainage. 2008 Annual meeting of the Texas Chapter, American Fisheries Society. Jan 17-19, 2008, Junction, TX.
- 2007
- Parlos, J.A. and M.R.J. Forstner. 2007. Abstract. Preliminary population genetic and phylogeographic results in the Cave myotis (*Myotis velifer*) across Texas. 37th NASBR and XIV International Bat research conference, Merida, Mexico. August, 19-23 2007.
- Gaertner, J.P., M.R.J. Forstner, F. Rose, and D. Hahn, and. 2006. Abstract. Detection of salmonellae in wild turtles and their aquatic habitats. Biology Colloquium, April 30, 2007. Texas State University, San Marcos, Texas.
- Rodriguez, D., M.R.J. Forstner, P. Moler, and L.D. Densmore III. 2007. Abstract. Genetic structure of the American crocodile (*Crocodylus acutus*) in Florida and evidence of hybridization inferred from mitochondrial and nuclear markers. 3rd International Workshop on Crocodylian genetics and genomics. Smithsonian Tropical Research Institute, Panama City, Panama. April 13-15, 2007.
- Parlos, J. and M.R.J. Forstner. 2007. Abstract. Is a decline in average size of the Texas spiny softshell (*Apalone spinifera emoryi*) indicative of anthropogenic influences? Biology Colloquium, April 30, 2007. Texas State University, San Marcos, Texas.
- McCracken, S. and M.R.J. Forstner. 2007. Abstract. Reproductive ecology and behavior of *Eleuthrodactylus aureolineatus* (Anura, Brachycephalidae) in the canopy of the Upper Amazon Basin, Ecuador. Biology Colloquium, April 30, 2007. Texas State University, San Marcos, Texas.
- Sorenson, T. and M.R.J. Forstner. 2007. Abstract. The evolution of the Rh factor. Biology Colloquium, April 30, 2007. Texas State University, San Marcos, Texas.
- 2006
- Mealey, B.K., G.B. Mealey, J.D. Baldwin, G.D. Bossart, & M.R.J. Forstner. 2006. Abstract. The insular ecology of the diamondback terrapin (*Malaclemys terrapin*), on the mangrove keys of south Florida. First International symposium on Mangroves as Fish Habitat. University of Miami. Miami, FL. April 19-21.
- Bryson, R.W., J. Pastorini, and M.R.J. Forstner. Abstract. Phylogenetic relationships of the *Lampropeltis mexicana* complex (Serpentes: Colubridae) as inferred from mtDNA sequences. SWAN, Colima MX, April 13-15th 2006.
- Buzo, D. and M.R.J. Forstner. 2006. Abstract. A GIS model for identifying Houston Toad (*Bufo houstonensis*) habitat in Bastrop County, TX, USA. 102106-05. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.

- Jackson, J., M.R.J. Forstner, J.R. Dixon. 2006. Abstract. The Status of *Trachemys gaigeae* (Reptilia:Emydidae) in the Rio Bravo Basin. IX Reunion Nacional de Herpetologia. Universidad Autonoma de Nuevo Leon, Monterrey, Nuevo Leon, Mexico. Nov 6-9, 2006.
- Gaertner, J.P., D. Hahn, and M.R.J. Forstner. 2006. Abstract. Detection of *Salmonella spp.* in turtles and sediment of the Rio Grande. 102106-04. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- McHenry, D., J. Godwin, and M.R.J. Forstner. 2006. Abstract. Utility of various molecular markers among closely related *Graptemys*. Texas Academy of Science. Mar 2-4, Lamar University, Beaumont, TX. *Winner best student presentation: Endangered Species Section (\$250)*.
- McHenry, D.J. and M.R.J. Forstner. 2006. Abstract. Endangered species by proxy: a population genetics study of the federally endangered Houston toad, *Bufo houstonensis* (Anura: Bufonidae), and a common relative, the Gulf Coast toad, *Bufo valliceps*. 102106-02. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- Mealey, B.K., G.B. Mealey, G.D. Bossart, M.R.J. Forstner, and J.D. Baldwin. 2006. Abstract. Comparative Analysis of Health Assessment Parameters for Bald Eagles, *Haliaeetus leucocephalus*, and Ospreys, *Pandion haliaetus*, in Florida Bay, Everglades National Park. North American Ornithological Conference. Oct. 3-7, 2006, Vera Cruz, Mexico. Abstract 2032.
- Parlos, J.A., J.R. Dixon, J. Jackson, and M.R.J. Forstner. 2006. Abstract. Texas Spiny Softshell (*Apalone spinifera emoryi*): A decline in average measurements due to harvest? 102106-07. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- Rodriguez, D. M.R.J. Forstner, and L.D. Densmore. 2006. Abstract. Low allelic variation and its effects on detecting multiple paternity in two endangered species of crocodile: *Crocodylus acutus* and *Crocodylus moreletti*. Texas Tech Graduate Student Forum. Texas Tech University, Lubbock, TX. April 10-14.
- Swannack, T.M. and M.R.J. Forstner. Abstract. Impacts of the difference at age of first reproduction on a population of endangered Houston toads (*Bufo houstonensis*). Wildlife symposium, TAMU, College Station Texas, April 1, 2006.
- Swannack, T.M., K.L. Greuter, and M.R.J. Forstner. Abstract. Survivorship Estimates of Three Life Stages of the Houston Toad (*Bufo houstonensis*). ASIH, New Orleans, LA. 12-17 July, 2006.
- Swannack, T.M., K.L. Greuter, M.R.J. Forstner. 2006. Abstract. Estimating survival parameters for an endangered species with a complex life history. 102106-10. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- 2005
- McDonough M., Ferguson, A.W., and M.R.J. Forstner. 2005. Abstract. Mammalian survey of Camp Mabry TXARNG Training site, Austin, Texas: A problem with non-natives. Plenary session: Research on Army Reserves. SWAN. 2005.
- Ferguson, A.W., M. McDonough, and M.R.J. Forstner. 2005. Abstract. A Preliminary Inventory of the Herpetofauna at Camp Mabry, Austin, Texas. Plenary session: Research on Army Reserves. SWAN. 2005.
- Bailey, L, M.R.J. Forstner and J.R. Dixon. 2005. Abstract. Assessing the status of *Pseudemys gorzugi* (Rio Grande River cooter) in Texas. Texas Academy of Sciences. Edinburg, TX. 2005.
- McHenry, D. and M.R.J. Forstner. 2005. Abstract. Molecular systematics of the Texas genera of Nyctaginaceae. Texas Academy of Sciences. Edinburg, TX. 2005.
- Rainer, A. and M.R.J. Forstner. 2005. Abstract. Phylogenetic Reconstruction and Genetic Conservation of *Heloderma horridum*. Texas Academy of Sciences. Edinburg, TX. 2005.

- Swannack, T.M., K.L. Greuter, and M.R.J. Forstner. 2005. Abstract. Population dynamics and survivorship estimates of the Houston toad (*Bufo houstonensis*). Texas Academy of Sciences. Edinburg, TX. 2005.
- Ferguson, A.W. and M.R.J. Forstner. 2005. Abstract. Vertebrate Predator Influences On Pitfall Survey Data: A Case Study Involving the Houston Toad. Texas Academy of Sciences. Edinburg, TX. 2005.
- Fuller, J.P., C.T. McAllister, and M.R.J. Forstner. 2005. Abstract. Second report of *Chrysemys dorsalis* from Texas. Arkansas Academy of Science in Conway, AR, Hendrix College, April 8-9, 2005.
- 2004
- Fuller, J.P., C.T. McAllister, and M.R.J. Forstner. 2004. Abstract. Second report of *Chrysemys dorsalis* from Texas. Oklahoma Academy of Sciences. Nov 5, 2004.
- Forstner, M.R.J., J.R. Dixon, T.M. Guerra, J.L. McKnight, J. Stuart, and S.K. Davis. 2004. Abstract. Status of the U.S. populations of the Big Bend slider (*Trachemys gaigeae*). The 6th Symposium of the Chihuahuan Desert Research Institute. Alpine TX. Oct 15-17.
- Rosenthal, J. and M.R.J. Forstner. 2004. Abstract. Effects of a Pleistocene Barrier on Chihuahuan desert herpetofauna. The 6th Symposium of the Chihuahuan Desert Research Institute. Alpine TX. Oct 15-17. *Winner best student presentation with cash award and prizes.
- Bailey, L., M.R.J. Forstner, J.R. Dixon, and R. Hudson. 2004. Abstract. The Status of *Pseudemys gorzugi* (The Rio Grande River Cooter) in Texas River Systems. The 6th Symposium of the Chihuahuan Desert Research Institute. Alpine TX. Oct 15-17.
- Ferguson, A. and M.R.J. Forstner. 2004. Abstract. Active predation of pitfall traps at a study site for the endangered Houston toad (*Bufo houstonensis*) in Bastrop, County Texas. 51st Annual meeting of the Southwestern Association of Naturalists. San Antonio, TX. Apr 15-17.
- Swannack, T.M. and M.R.J. Forstner. 2004. Abstract. A possible cause of the disparity in the sex ratio of adult Houston toads. 51st Annual meeting of the Southwestern Association of Naturalists. San Antonio, TX. Apr 15-17.
- Rainer, A. and M.R.J. Forstner. 2004. Abstract. Phylogenetic reconstruction and genetic conservation of *Heloderma horridum*. 51st Annual meeting of the Southwestern Association of Naturalists. San Antonio, TX. Apr 15-17.
- Burpo, N. and M.R.J. Forstner. 2004. Abstract. Differential growth rates due to variable protein diet in endangered turtles. Texas Academy of Science. Kerrville, TX. Mar 5-7.
- Swannack, T.M. and M.R.J. Forstner. 2004. Abstract. A Possible Cause Of The Disparity In The Sex Ratio Of Adult Houston Toads. Texas Academy of Science. Kerrville, TX. Mar 5-7.
- 2003
- Morris, S. R. and M.R.J. Forstner. 2003. Abstract. Systematics of locally endemic short-tailed shrews, Blarina (Insectivora: Soricidae), in Bastrop and Aransas counties, Texas. #234. American Society of Mammalogists. June 25, Lubbock, TX.
- Swannack, T. and M.R.J. Forstner. 2003. Abstract. Distribution of Houston toads (*Bufo houstonensis*) in heterogeneous habitats. #138. February 28th Texas Academy of Sciences, Nacogdoches, TX.
- Ahlbrandt, T.L. and M.R.J. Forstner. 2003. Abstract. Initial survey of abiotic pond characteristics potentially influencing successful Houston toad (*Bufo houstonensis*) reproduction. #1. February 28th Texas Academy of Sciences, Nacogdoches, TX.
- Greuter, K. and M.R.J. Forstner. 2003. Abstract. Post-emergent biology of the Houston toad, *Bufo houstonensis*. #141. February 28th Texas Academy of Sciences, Nacogdoches, TX.
- 2002
- Windham, M.K., M.B. Barnes, C. Fuqua, M.R.J. Forstner, and R.J.C. McLean. 2002. Abstract Q 281. Novel bacterial influence on microbial diversity in aquatic biofilms. 102nd Annual Meeting, American Society for Microbiology. Salt Lake City, UT. Q 281.

- Mealey, B.K., G.M. Parks, J.D. Baldwin, M.R.J. Forstner 2002. Abstract. The ecology and demographics of the diamondback terrapin, *Malaclemys terrapin macrospilota* and *rhizophorarum* in south Florida. ASIH, Kansas City, KS, July 2002.
- 2001
- Pastorini, J., Zaramody, A., Curtis, D.J., Martin, R.D. and Forstner, M.R.J. 2001. Abstract. Sympatric hybridisation between *Eulemur fulvus* and *E. mongoz*. 7th Congress of the German Primate Society. Folia Primatol. 72: 176.
- Dixson, J.D., M.R.J. Forstner, D.M. Garcia. 2001. Abstract. Cloning and characterization of rat alpha-actinin 3: A Phylogenetic investigation. American Soc. Cell Biol. Dec 2001. Washington D.C. Molecular Biology of the Cell 12: 286A-286A 1565 Supplement S
- Needham, J., M.R.J. Forstner, D.M. Garcia. 2001. Abstract. Cloning and characterization of rat alpha-actinin 3: Structural Analysis. American Soc. Cell Biol. Dec 2001. Washington D.C.
- Pastorini, J., A. Zaramody, D.J. Curtis, R.D. Martin, and M.R.J. Forstner. 2001. Abstract. Sympatric hybridization between *Eulemur fulvus* and *E. mongoz*. Gesellschaft für Primatologie. University of Zürich.
- Needham, J.N., D.M. Garcia, J.R. Koke, and M.R.J. Forstner. 2001. Abstract. Molecular characterization of a possible *alpha*-actinin isoform. 104th meeting of the Texas Academy of Sciences, March 2001.
- Dixson, J.D., M.R.J. Forstner, D.M. Garcia, and J.R. Koke. 2001. Abstract. Molecular genetic characterization of *alpha*-actinin isoforms. 104th meeting of the Texas Academy of Sciences, March 2001.
- Lanier, William, M.R.J. Forstner. 2001. Abstract. Identification of Houston toads using mtDNA sequences. 104th meeting of the Texas Academy of Sciences, March 2001. *Winner best student presentation with cash award and subscription to the journal.
- Pastorini, J., R.D. Martin, and M.R.J. Forstner. 2001. Abstract. Phylogenetic relationships among Sifakas (Primates: *Propithecus*) based on mtDNA sequences. 104th meeting of the Texas Academy of Sciences, March 2001.
- 2000
- Mealey, B.K., G.M. Parks, and M.R.J. Forstner. 2000. Abstract. The ecology and demographics of the diamondback terrapin, *Malaclemys terrapin macrospilota* and *rhizophorarum* in South Florida. Second Workshop on the Ecology, Status, and Conservation of Diamondback Terrapins. Wetlands Institute, Stone Harbor, New Jersey. Oct 2000.
- Melnick, D.J., N. Andayani, B.J. Evans, M.R.J. Forstner, A.J. Tosi, D.T. The, W. Wang, B.M.M. Zain, and J.C. Morales. 2000. Abstract. Reconstructing the evolutionary history of Asian primates using mitochondrial, Y-Chromosome, and autosomal DNA sequences. American Journal of Physical Anthropology S30:227.
- Morales, J.C., W. Wang, B.M.M. Zain, C. Lehn, M.R.J. Forstner, D.J. Melnick. 2000. Abstract. Molecular phylogeny of the Colobines. Amer. J. Physical Anthropol. Suppl. 30:232.
- Miller, L.A., J.D. Baldwin, B.K. Mealey, G. Parks, and M.R.J. Forstner. 2000. Abstract. Storm mitigated dispersal events in *Malaclemys terrapin rhizophorarum*. Second workshop on the ecology, status, and conservation of diamondback terrapins. Wetlands Institute, Stone Harbor, New Jersey. Oct 2000.
- Pastorini, J., P. Ehresmann, E. Zimmermann, R.D. Martin, and M.R.J. Forstner. 2000. Abstract. Phylogenetic relationships within the lemur family Cheirogaleidae from mtDNA sequence analyses. American Journal of Physical Anthropology S30:246.
- Pastorini, J., M.R.J. Forstner, and R.D. Martin. 2000. Abstract. Molecular phylogeny of brown lemurs (*Eulemur fulvus*). Folia Primatologica 71:235-236.
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- White, C.M., C.G. Messing, M. Shivji, and M. Forstner. 1999. Abstract. Initial molecular phylogenetic survey of the Comasteridae (Crinoidea). Proceedings 10th International Echinoderm Conference, University of Otago, Dunedin, N.Z.

- Pastorini, J., M.R.J. Forstner, and R.D. Martin. 1999. Abstract. Molecular phylogenetics of Lemuridae. *In*: Abstracts from the Centenary Congress of the Anthropological Institute and Museum in Zürich. Zürich: University of Zürich. pg. 40.
- Pastorini, J., M.R.J. Forstner, and R.D. Martin. 1999. Abstract. Phylogenetic relationships among Lemuridae (Primates) inferred from DNA sequences. *Revue Suisse de Zoologie* 106:775-776.
- Morales, J.C., D.J. Melnick, M.R.J. Forstner, L.L. Rosenblum, B.J. Evans, Tosi, A.J., W. Wang, N. Andayani, J. Supriatna, and M. Nordin. 1999. Abstract. Areas of genetic endemism (AGE) in Southeast Asian primates. *Amer. J. Physical Anthropol.* S28:206.
- Parks, G., B. Mealey, and M.R.J. Forstner. 1999. Abstract. The ecology of the diamondback terrapin in South Florida. *In*: G. L. Heinrich and P. A. Meylan, coordinators. A Second Symposium on the Status and Conservation of Florida Turtles and the 1999 Annual Meeting of the Gopher Tortoise Council, 8–11 October 1999, Eckerd College, St. Petersburg, Florida, USA.
- Pastorini, J., M.R.J. Forstner, A. Zaramody, W. Scheffrahn, M.S. Clark, M. Waters, D.J. Curtis, and R.D. Martin. 1999. Abstract. Population genetic study of mongoose lemurs based on DNA sequences. The Seventh World Conference on Breeding Endangered Species, Cincinnati, USA. pg. 259.
- 1998
- Melnick, D.J., J.C. Morales, M.R.J. Forstner, L.L. Rosenblum, B. Evans, W. Wang, A. Adnan, N. Andayani, J. Supriatna, and M. Nordin. 1998. Abstract. Conservation units, management units and genetic endemism in Southeast Asian primates and other large mammals. VII international Congress of Ecology. Special symposium - Gene Conservation: Identification and Management of Genetic Diversity. USGS sponsor, July 1998.
- Melnick, D.J., J.C. Morales, M.R.J. Forstner, L.L. Rosenblum, B.J. Evans, W. Wang, N. Andayani, J. Supriatna, and M. Nordin. 1998. Abstract. Conservation of genetic endemism in Southeast Asian primates. XVIIth Congress of the International Primatological Society. University of Antananarivo, Madagascar. August 1998.
- Pastorini, J. and M.R.J. Forstner. 1998. Abstract. Phylogenetic study of the family Lemuridae based on DNA sequences. XVIIth Congress of the International Primatological Society. University of Antananarivo, Madagascar. August 1998.
- Pastorini, J., M.R.J. Forstner, R.D. Martin, and D.J. Melnick. 1998. Abstract. Morphology and molecules in conflict: the phylogenetic relationship of *Callimico* within the Callitrichidae. *Revue Suisse de Zoologie* 105:756.
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- Perez-Sweeney, B., M.R.J. Forstner, C. Valladares-Padua, and D.J. Melnick. 1998. Abstract. A preliminary examination of the taxonomy of *Leontopithecus* using mitochondrial ND4 and D-Loop sequences. XVIIth Congress of the International Primatological Society. University of Antananarivo, Madagascar. August 1998.
- 1997
- Forstner, J.M., M.R.J. Forstner, and S.K. Davis. 1997. Abstract. Identification of hybrid crocodiles using high resolution molecular markers. IUCN crocodile Specialist group. Villahermosa, Mexico. July 1997.
- Pastorini, J., M.R.J. Forstner, R.D. Martin, and D.J. Melnick. 1997. Abstract. Molecular phylogeny of the Callitrichidae (Platyrrhini, Primates) based on mitochondrial DNA sequences. 9th International Congress of Genes, Gene Families, and Isozymes, San Antonio, TX (USA). April 1997. *Recipient Student/Postdoctoral Assistance Award.*

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- Forstner, M.R.J., W. Wang, and L. Rosenblum. 1996. Abstract. Molecular phylogeny of the Asian Leaf monkeys from mtDNA sequence data analyses. XVI Congress of the International Primatological Society, Madison, WI (USA). #578. August 1996.
- Lehn C.A., M.R.J. Forstner, D.J. Melnick, S.K. Davis and J.F. Taylor. 1996. Abstract. Testing the African refuge theory: A genetic approach. *In*: Proc. XVIth Congress of the International Primatological Society and XIXth Conference of the American Society of Primatologists, August 11-16, Madison, Wisconsin. #788. August 1996.
- Pastorini, J. and M.R.J. Forstner. 1996. Abstract. Molecular evidence for the phylogenetic position of *Callimico goeldii* among platyrrhines based on mitochondrial DNA sequences, XVI Congress of the International Primatological Society, Madison, WI (USA). #782. August 1996.
- Wang, W., M.R.J. Forstner, and D.J. Melnick. 1996. Abstract. Phylogenetic relationships among Chinese leaf monkeys from analyses of mtDNA sequences. XVI Congress of the International Primatological Society, Madison, WI (USA). #579. August 1996.

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4. Reports:

2009

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2008

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6. Other

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- Bryson, R. W., J. Pastorini, and M.R.J. Forstner. Poster Presentation. 2006. Phylogenetic Relationships of Mexican Kingsnakes (*Lampropeltis mexicana* complex). Southwestern Association of Naturalists Annual Meeting, April 13-15th, Colima, Mexico.
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- Forstner, M.R.J. and R. Hudson. 2005. Educational Poster. Texas Turtles. Published for distribution to K-12 Science instructors. Texas Parks and Wildlife Department, Non-game division. June 1, 2005.
- Fuller, J.P., C.T. McAllister, and M.R.J. Forstner. 2004. Poster Presentation. Second report of *Chrysemys dorsalis* from Texas. TAMUS Pathways Symposium. Corpus Christi, Texas. Oct 15-16, 2004.
- Pastorini, J., M.R.J. Forstner, A. Zaramody, W. Scheffran, M.S. Clark, M. Waters, D.J. Curtis, and R.D. Martin. 1999. Poster Presentation. Population genetic study of mongoose lemurs based on DNA sequences. 7th World Conference on Breeding Endangered Species. Linking Zoo and Field Research to Advance Conservation, Poster Abstracts. Cincinnati Zoo and Botanical Garden, USA.

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B. Works not in Print

1. Papers Presented at Professional Meetings:

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- Gaertner, J.P., M.R.J. Forstner, F. Rose, and D. Hahn, and. 2006. Abstract. Detection of salmonellae in wild turtles and their aquatic habitats. *Biology Colloquium*, April 30, 2007. Texas State University, San Marcos, Texas.
- Rodriguez, D., M.R.J. Forstner, P. Moler, and L.D. Densmore III. 2007. Abstract. Genetic structure of the American crocodile (*Crocodylus acutus*) in Florida and evidence of hybridization inferred from mitochondrial and nuclear markers. 3rd International Workshop on Crocodylian genetics and genomics. Smithsonian Tropical Research Institute, Panama City, Panama. April 13-15, 2007.
- Parlos, J. and M.R.J. Forstner. 2007. Abstract. Is a decline in average size of the Texas spiny softshell (*Apalone spinifera emoryi*) indicative of anthropogenic influences? *Biology Colloquium*, April 30, 2007. Texas State University, San Marcos, Texas.
- McCracken, S. and M.R.J. Forstner. 2007. Abstract. Reproductive ecology and behavior of *Eleuthrodactylus aureolineatus* (Anura, Brachycephalidae) in the canopy of the Upper Amazon Basin, Ecuador. *Biology Colloquium*, April 30, 2007. Texas State University, San Marcos, Texas.
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- Buzo, D. and M.R.J. Forstner. 2006. Abstract. A GIS model for identifying Houston Toad (*Bufo houstonensis*) habitat in Bastrop County, TX, USA. 102106-05. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- Gaertner, J.P., D. Hahn, and M.R.J. Forstner. 2006. Abstract. Detection of *Salmonella spp.* in turtles and sediment of the Rio Grande. 102106-04. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- McHenry, D.J. and M.R.J. Forstner. 2006. Abstract. Endangered species by proxy: a population genetics study of the federally endangered Houston toad, *Bufo houstonensis* (Anura: Bufonidae), and a common relative, the Gulf Coast toad, *Bufo valliceps*. 102106-02. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- Parlos, J.A., J.R. Dixon, J. Jackson, and M.R.J. Forstner. 2006. Abstract. Texas Spiny Softshell (*Apalone spinifera emoryi*): A decline in average measurements due to harvest? 102106-07. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- Rodriguez, D. M.R.J. Forstner, and L.D. Densmore. 2006. Abstract. Low allelic variation and its effects on detecting multiple paternity in two endangered species of crocodile: *Crocodylus acutus* and *Crocodylus moreletti*. Texas Tech Graduate Student Forum. Texas Tech University, Lubbock, TX. April 10-14.

- Swannack, T.M. and M.R.J. Forstner. Abstract. Impacts of the difference at age of first reproduction on a population of endangered Houston toads (*Bufo houstonensis*). Wildlife symposium, TAMU, College Station Texas, April 1, 2006.
- Swannack, T.M., K.L. Greuter, M.R.J. Forstner. 2006. Abstract. Estimating survival parameters for an endangered species with a complex life history. 102106-10. Texas Herpetological Society. Oct 20-21st, San Marcos, Texas.
- 2005
- Rodriguez, D., M.R.J. Forstner, L.D. Densmore. 2005. Abstract. Low allelic variation in wild populations of two endangered species of crocodile: *Crocodylus acutus* and *Crocodylus moreletii*. Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- Jones, M. and M.R.J. Forstner. 2005. Abstract. Prescribed Fire and Timber Harvest: Tools Used for the Adaptive Management and Restoration of Lost Pines Habitat. Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- McCracken, S. and M.R.J. Forstner. 2005. Abstract. Can GIS tools be applied to model Amphibian distributions? Preliminary results from Yasuní National Park - Amazonian Ecuador. Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- Feltoon, A.R. and M.R.J. Forstner. Abstract. Diversity and conservation genetics of the Mexican beaded lizard (*Heloderma horridum*). Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- Jackson, J. and M.R.J. Forstner. Abstract. Imperfect detection of Houston toads (*Bufo houstonensis*) by call surveys. Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- Ferguson, A.W. and M.R.J. Forstner. 2005. Abstract. Impacts of vertebrate predators on terrestrial drift fence sampling. Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- Reilly, S.M., M.R.J. Forstner, and J.R. Dixon. 2005. Abstract. *Nerodia harteri*: Summary of 2005 research. Texas Herpetological Society, Austin, TX. Nov 18-19, 2005.
- Ferguson, A.W. and M.R.J. Forstner. 2005. Abstract. Consequences and solutions in predation on drift fence and pit-fall arrays. 40th Annual Meeting of the Texas Chapter of the Wildlife Society. Amarillo, TX, February 24-26, 2005.
- 2004
- Fuller, J.P., C.T. McAllister, and M.R.J. Forstner. 2004. Poster. Second report of *Chrysemys dorsalis* from Texas. TAMUS Pathways Symposium. Corpus Christi, Texas. Oct 15-16, 2004.
- 2003
- Burpo, N., R. Guthrie. and M.R.J. Forstner. 2003. Abstract. Differential growth rates due to variable protein diet in endangered turtles. Texas Herpetological Society, San Marcos, TX. Oct 10-11.
- Rainer, A. and M.R.J. Forstner. 2003. Abstract. Phylogenetic reconstruction and genetic conservation of *Heloderma horridum*. Texas Herpetological Society, San Marcos, TX. Oct 10-11.
- Lobban G. and M.R.J. Forstner. 2003. Abstract. Evaluation of the wildlife disease *Haemogregarina* sp. in turtles: identification, pathogenicity, and host-specificity. Texas Herpetological Society, San Marcos, TX. Oct 10-11.
- Greuter, K.L. and M.R.J. Forstner. 2003. Abstract. Post-metamorphic dispersal patterns in the juvenile Houston Toad (*Bufo houstonensis*). Texas Herpetological Society, San Marcos, TX. Oct 10-11.
- Morris, S.R. and M.R.J. Forstner. 2003. Abstract. Effects of pond slope and aquatic predators on survivorship of larval Houston toads (*Bufo houstonensis*). Texas Herpetological Society, San Marcos, TX. Oct 10-11.
- Rosenthal, J. and M.R.J. Forstner. 2003. Abstract. Consequences of Lake Cabeza de Vaca on Chihuahuan desert herpetofauna, Texas Herpetological Society, San Marcos, TX. Oct 10-11.

Swannack, T.M. and M.R.J. Forstner. 2003. Abstract. A possible cause of the disparity in the sex ratio of adult Houston Toads. Texas Herpetological Society, San Marcos, TX. Oct 10-11.

Marquardt, A. and M.R.J. Forstner. 2003. Abstract. Early identification of the endangered Houston toad (*Bufo houstonensis*) using mitochondrial DNA markers. Texas Herpetological Society, San Marcos, TX. Oct 10-11.

2002

Bates, C.L., M.R.J. Forstner, M.B. Barnes, M. Whiteley, J. Pastorini, and R.J.C. McLean. 2002. Abstract. Population analysis of aquifer biofilm isolates. Texas Branch spring meeting, American Society for Microbiology. San Antonio, TX.

Wilkins, N. J.R. Dixon, J. Engle, M.R.J. Forstner, and A. Price. 2002. Abstract. Developing a habitat importance model for the endangered Houston toad. New applications of GIS databases: GIS in Conservation. Symposium, San Antonio, TX July 2002.

2001

Bates, C.L., M.R.J. Forstner, M.B. Barnes, M. Whiteley, J. Pastorini, and R.J.C. McLean. 2001. Abstract. Population analysis of aquifer biofilm isolates. Texas Branch fall meeting, American Society for Microbiology. Junction, TX.

2. Invited Talks, Lectures, and Presentations:

2009

Fujii, A. and M.R.J. Forstner. Genetic Diversity and Population Structure of the Texas Tortoise (*Gopherus berlandieri*): Implications for Conservation. 34th Annual Meeting and Symposium of the Desert Tortoise Council. Casa Blanc Resort and Casino, Mesquite, NV. February 19-22, 2009.

2008

Forstner, M.R.J and D. Buzo. Rangewide status review and GIS habitat model validation for the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad team meeting. Bastrop, TX, Nov 24, 2008.

Forstner, M.R.J., J. Jackson, L. Bailey, and J.R. Dixon. The Status Status of two native turtles of the Rio Grande Basin (Emydidae: *Trachemys gaigeae* and *Pseudemys gorzugi*): fieldwork, ecology, and genetics. TAS meeting, Sept 17-20, 2008, Tuscon, AZ. (canceled, death in the family)

Forstner, M.R.J. Texas turtles: the good, the bad, and the ugly. East Texas Herpetological Society. Annual Meeting, Sept 12-14, Houston, TX. (Conference canceled, Hurricane Ike)

Forstner, M.R.J. Stewardship of the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.

McHenry, D.J. and M.R.J. Forstner. Results from population genetics studies of the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.

Buzo, D. and M.R.J. Forstner. A GIS predictive habitat distribution model for the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.

Gaston, M. and M.R.J. Forstner. Stewardship options and priorities for the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.

Forstner, M.R.J. and M. Wagner. New Dimensions in wildlife management: Impacts of commercial turtle harvest in Texas. 2008 Texas Wildlife Diversity Conference. Implementation of the Texas Wildlife Action Plan (TWAP): Focus on Partnerships and Implementation. Houston, TX, Jan 17-19.

2007

Forstner, M.R.J. Advanced Phylogenetic Analyses: from markers to genes. Malaysia Genome Institute, University of Malaysia, Kebangsaan. Dec 3-7, Bangi, Selangor, Malaysia. (Invited Workshop leader)

2006

Forstner, M.R.J., L. Bailey, J.R. Dixon. 2006. The Status of *Pseudemys gorzugi* (Reptilia: Emydidae) in the Rio Bravo Basin. IX Reunion Nacional de Herpetologia. Universidad Autonoma de Nuevo Leon, Monterrey, Nuevo Leon, Mexico. Nov 6-9, 2006. (Invited Presentation).

Forstner, M.R.J. Current Research and Status of the Houston toad. Texas Herpetological Society, President's Seminar. Oct 20, 2006. San Marcos, Texas. (Invited Presentation).

Forstner, M.R.J. Recent Houston toad research accomplishments and current needs. Houston toad Conservation committee for Utilities Mitigation funds. Sept. 27, 2006. Bastrop, Texas. (Invited Presentation).

Forstner, M.R.J. Stewardship at the edge of extinction. Department of Biology Seminar Series. Sept 18, 2006. Texas State University. San Marcos, Texas. (Invited Presentation).

Forstner, M.R.J. Endangered Species Research: The Houston toad. Seminar in Conservation Biology. Texas State University. April 18, 2006. (Invited Presentation).

2005

Forstner, M.R.J. Turtle Genetics Workshop. National Science Foundation. Harvard University, Boston, MA. Aug 7-12, 2005. (Invited participant).

Forstner, M.R.J., M. Jones, J. Jackson, K. Greuter, and T. Swannack, B. Weckerly, and J. Baccus. Aspects of Houston toad ecology critical to management options. Texas Parks and Wildlife Department, Bastrop, Texas. June 1, 2005. (Invited Presentation and workshop participant).

Forstner, M.R.J., M. Jones, J. Jackson, K. Greuter, F. Weckerly, J. Baccus, and T. Swannack. Collaborative restoration of Houston toad habitat. United States Fish and Wildlife Service. Austin, Texas. Apr 27, 2005. (Invited Presentation).

2004

McCracken, S., P. Herbertson, M. Mulligan, and M.R.J. Forstner. Toward a GIS framework of amphibian diversity, distribution, and density in Amazonia: work from Yasuni National Park. 2nd Annual Ecuador Tropical Forest Research and Education Conference. Oct 15-17, 2004. Mindo Biological Station, Ecuador. (Invited Presentation)

Swannack, T. and M.R.J. Forstner. 2004. Lessons learned from the Houston toad: implications for forestry management. Temple-Inland Forestry management seminar. July 2004. Austin, TX. (Invited Presentation)

Mealey, B.K., G.M. Parks, J.D. Baldwin, M.R.J. Forstner. The Insular Ecology of *Malaclemys terrapin macrospilota* and *M. t. rhizophorarum* of Florida Bay and the Florida Keys. Third workshop on the ecology, status, and conservation of Diamondback terrapins. 17-19 Sept 2004, Jacksonville, Florida. (Invited Participant/Presentation)

Forstner, M.R.J., T. Swannack, K. Greuter, S. Morris, S. Keifer, A. Ferguson, and J. Baccus. Quantitative aspects of Houston toad ecology. Wildlife diversity conference. Texas Parks and Wildlife Department. San Marcos, TX. Aug 2004. (Invited Presentation)

2003

Status assessment, reproduction, habitat use, and survivorship of Houston toads using new techniques and integrated experimental design. 2003. Michael R.J. Forstner, Todd Swannack, Kensley Greuter, Sue Morris, Shane Keifer, William Lanier, Aaron Marquardt, Adam Ferguson, and John Baccus. USFWS Endangered species seminar series. Albuquerque, NM. Dec 17, 2003. (Invited Presentation)

History in the molecules: Pleistocene signatures on Texas vertebrates. 2003. Baylor University Seminar Series. Nov 12, 2003. Waco, Texas. (Invited Presentation)

- Heosemys grandis* captive assurance colonies: wild founder characteristics and parasitism. M.R.J. Forstner, G. Lobban, and S.R. Morris. IUCN Turtle Survival Alliance Symposium. Orlando FL, Aug 18-21, 2003. (Invited Presentation)
- Managing small populations of vertebrates. M.R.J. Forstner and T. Swannack. IUCN Turtle Survival Alliance Symposium. Orlando FL, Aug 18-21, 2003. (Invited Presentation).
- Integrated culture of turtles. IUCN Turtle Survival Alliance Symposium. Orlando FL, Aug 18-21, 2003. (Invited Presentation).
- Houston toad habitat and status in Bastrop County, Texas. 2003. USFWS. Jan 29, San Marcos, TX. (Invited Presentation).
- Invasive species threats and priorities (Big Bend National Park). 2003. National Park Service, Big Bend National Park Research Priority Scoping meeting. Jan 3, Odessa, TX. (Invited contributor)
- 2002
- Population trends, current status, and ongoing investigations of the Houston toad (*Bufo houstonensis*). 2002. USFWS, Houston toad recovery team public information seminar. Oct 23, Bastrop, TX. (Invited Presentation)
- History in the molecules: Using phylogenetics and biogeography to reconstruct near term climatic changes in Texas. 2002. Southwest Texas State University, Dept. of Biology Seminar series. Oct 14, San Marcos, TX. (Invited Presentation)
- Preliminary results of Houston toad research in Bastrop County, TX. 2002. USFWS Houston toad recovery team/implementation team joint meeting. June 18, Austin, TX. (Invited Presentation)
- Current status of the Houston toad. 2002. Bastrop County/Stakeholders Group/Prairies and Pines Land Trust. April 2, Bastrop, TX. (Invited Presentation)
- 2001
- Houston toad results from the Griffith League Ranch, Bastrop County, TX. 2001. Bastrop County, Stakeholders group and Public forum. June 27, Bastrop, TX. (Invited Presentation)
- Handling scientific and technical information in contentious public issues. 2001. National Public Policy Conference Workshop. Sept 17, San Antonio, TX. (Invited Panelist) (cancelled due to the events of 9/11/01)
- Chihuahuan Desert Parks, Inventory and Monitoring. 2001. National Park Service. Inventory Scoping Meeting. May 30-Jun 1, Odessa, TX. (Invited Contributor)
- 2000
- Environment, microhabitat, and occurrence correlations for the Houston toad (*Bufo houstonensis*) on the Griffith League Ranch, Bastrop County, TX. 2000. USFWS/TPWD/BSA seminar. Aug 1, Bastrop, TX. (Invited Presentation)
- 1999
- A molecular perspective of the historical radiations of the Serpentes (Reptilia: Squamata). 1999. University of Miami. Nov 29, Miami, FL. (Invited Presentation)
- Molecular phylogenetics of the Lemniscidae. 1999. Centenary Congress of the Anthropological Institute and Museum, University of Zurich. Oct, Zurich, Switzerland. (Invited Presentation)
- Diamondback terrapin ecology: population size, demographics, genetics, and ecology. 1999. Distinguished seminar series, Florida International University, Nov 16, Miami, FL. (Invited Presentation)
- Population ecology and genetics of *Malaclemys terrapin* in Florida Bay. 1999. All Florida Herpetological conference. May, Gainesville, FL. (Invited speaker w/Brian Mealey)
- Molecular markers and systematics: tools for understanding evolution and managing populations. 1999. Southwest Texas State University, Seminar series. April, San Marcos, TX. (Invited Presentation)

1998

- Molecular markers for conservation genetics: lessons from new world crocodiles. 1998. Universiti Kebangsaan. July 17, Kuala Lumpur, Malaysia. (Invited Presentation)
- High resolution identification of interspecific hybrids of the American crocodile (*Crocodylus acutus*) and the Cuban crocodile (*C. rhombifer*). 1998. Symposia of Crocodylian Biology and Evolution. University of Australia. July, Brisbane, Australia. (Invited Presentation)
- Adaptive radiations: the topology of success: examples from anthropoids. 1998. Institute of Anthropology. University of Switzerland. May 4, Zurich, Switzerland. (Invited Presentation)
- Molecular systematics and tissue preservation: Results from the laboratory and the field. 1998. Texas Cooperative Wildlife Collection, Texas A&M University. March, College Station, TX. (Invited Presentation)

1997

- Ancient divergences and modern populations: applications of molecular genetics in reptile evolution and conservation. 1997. Florida Atlantic University seminar series. April 11, Davie, FL. (Invited Presentation)
- Reptile conservation and the pet trade. 1997. Columbia University. May, New York, NY. (Invited Presentation)
- Identification of crocodylian hybrids using molecular markers: a case study in the Cuban crocodile (*Crocodylus rhombifer*) and the American crocodile (*C. acutus*). 1997. Environmental Leaders Forum, Columbia University. May, New York, NY. (Invited Presentation)
- Molecular Systematics: Applications to Conservation Biology. 1997. Arden House Biological Retreat. Columbia University Faculty. January, Harriman, NY. (Invited Presentation)

1996

- Workshop on Phylogenetics: methods and molecular systematics. 1996. Center for Biodiversity and Conservation, Faculty of Math and Sciences, University of Indonesia, Campus UI, Depok-Jakarta. June 24-26, Jakarta, Indonesia. (Invited Workshop)
- Conservation genetics. Mid-Career Day Series. 1996. Center for Environmental Research and Conservation, Morningside Institute Mid-Career Training Committee, Department of Anthropology, Columbia University. May, New York, NY. (co-host/lecturer)

1995

- The phylogeny and evolution of primitive snakes. 1995. 14th Meeting of the William Hennig Society. July, College Station, TX. (Invited Presentation)
- Squamate relationships and the phylogeny of the Henophidia. 1995. American Society of Ichthyologists and Herpetologists/Herpetologist's League. July, Edmonton, Canada. (Invited Symposium Lecture)

3. Consultancies:

Endangered Species Related Consultancies:

- American Crocodile: Florida Game and Fish Commission 2002-Present
USFWS 2003-Present
- Concho WaterSnake: USFWS 2002-Present

- Houston toad: ALCOA, Inc 2000-2003
Bastrop County 2001-Present
Boy Scouts of America 2000-Present
Environmental Defense Fund 2002-Present
Texas Forestry Service 2003-Present
Loomis Austin, Inc. 2003-2006
TXDOT 2005-Present
TPWD 2004-Present

USFWS 2000-Present

NonGame Wildlife Resources:

Big Bend Slider: National Park Service 1998-Present
TPWD 2001-Present

Mexican Beaded Lizard: Arizona Sonoran Desert Museum 2002-Present

4. Workshops:

2007

Forstner, M.R.J. Advanced Phylogenetic Analyses: from markers to genes. Malaysia Genome Institute, University of Malaysia, Kebangsaan. Dec 3-7, Bangi, Selangor, Malaysia. (Invited Workshop leader)

2003

Threats to the Houston toad and research toward its conservation. Long distance Learning course. National Wildlife Federation. Dec 22, 2003. (Invited on-line course)

1999

Workshop on methods in gene analysis II: DNA sequencing and analysis. 1999. UKM-MTDC Biotechnology Academy, NBD, MOSTE, and Center for Gene Analysis and Technology, University of Malaysia, Kebangsaan. Oct 18-27, Bangi, Selangor, Malaysia. (Invited Workshop leader)

5. Other:

N/A

C. Grants and Contracts**1. Funded External Grants and Contracts:**

2008

Forstner, M.R.J. Dec 08-Dec 09. Gharial recovery planning and critical needs assessment. Batchelor Foundation (\$100,000)

Krejca, J. and M.R.J. Forstner. Dec 08-Aug 09. Biological inventory and monitoring at Jacobs Well. Coypu Foundation Trust/Texas River Systems Institute. (\$60,000)

Forstner, M.R.J., J.R. Dixon, J.H. Yantis, and J.S. Hatfield. Nov 08-Aug 09. Status review of the Houston toad. USFWS/TPWD. (\$53,343)

Jackson, J., J.R. Dixon, and M.R.J. Forstner June 08-Dec 08. Monitoring of Big Bend slider populations using mark-recapture in Big Bend National Park. NPS. (\$3,600)

Forstner, M.R.J., D. Wolfe, M. Snyder, and D. Hahn,. Jan 08-Dec 11. The Effects of Fire and Other Habitat Manipulations on the Houston Toad (*Bufo houstonensis*) emphasizing removal of fire suppression in occupied habitat. Utilities Houston toad conservation committee. (\$962,024)

Forstner, M.R.J., R. Simpson, Y. Zhang, D. Hahn. Mar 08-Dec 13. Assessing freshwater turtle populations and consequences of harvest regimes across Texas. TPWD (\$996,271)

Forstner, M.R.J. and D. Hahn. Feb 08-Dec 09. Recovery of species imminently threatened by extinction: the Houston toad. USFWS (\$168,146)

Forstner, M.R.J., M.C. Green, and M. Fonstad. Jan 08-Dec 08. GIS model assessment of the Houston toad for areas of scheduled bridge replacements. TXDOT. (\$46,423)

Riger, P., M.R.J. Forstner, D. Hahn, D. Wolfe, P. Crump, and S. Mays. Sept 2008-Jan 2012. Lost Pines private land stewardship supporting high priority species integrating both *in situ* and *ex situ* conservation projects. TPWD/USFWS (\$231,354)

2007

Hudson, R., M.R.J. Forstner, D. Hahn, M. Chumchal, R. Drenner, T. Rainwater. 2007. Oct 07-Dec 09. Freshwater turtle trends in the Rio Grande/Rio Bravo and Brazos basin evaluating abundance and bioaccumulation. USDA/TPWD (\$53,346)

Forstner, M.R.J. Mar 07-Dec 13. Houston toads at the headwaters of Alum creek. D. Musgrave family. (\$16,500)

Adnan, A.M., K.T. Ariffin, M.R.J. Forstner, S.A. Harmin, I. Ishak, R.N. Lah, W.K. Lian, R. Mohamed, S.A.M. Nor, A.S. Othman, and D.N. Sin. Jan 07-Aug 09. Asian Sea bass Genomics and Genetics. TOP-DOWN Biotechnology project, National Biotechnology Division, Malaysia. (\$1,031,015)

Hahn, D. and M.R.J. Forstner. Jan 07-Dec 08. Chytrid fungus risks to Central Texas endangered amphibians. Texas State University REP program. (\$15,462)

2006

Forstner, M.R.J. Sept 06-Aug 09. Houston toad metapopulation assessment and genetics: recovery strategies in a widely fragmented landscape. USFWS/TPWD (\$177,820)

Forstner, M.R.J. Jun 06-Nov 11. Landscape scale fire ant management effects on arthropod diversity within Houston toad habitat. USFWS/TXDOT. (\$423,686)

Forstner, M.R.J. Jun 06-Sept 07. Habitat improvements for Endangered species: Rattlesnake Cave. (\$10,000).

Forstner, M.R.J. Mar 06-Dec 09. Habitat and herpetology of South Shore Woods. Pines and Prairies Land Trust. (\$9,000)

Forstner, M.R.J. Jan 06-Nov 11. Houston toad habitat: effects of modifications on highway underpasses on vertebrate travel and mortality. USFWS/TXDOT. \$424,248 to Texas State. Project total as sole PI (\$2,924,248)

Forstner, M.R.J. Apr 2006-Dec 2009. Population structure of *Heloderma horridum charlesborgerti*. ASDM (\$1300)

2005

Wolfe, D. and M.R.J. Forstner. Jul 05-Dec 06. Conservation of the Houston toad on private lands in Bastrop County, Texas. Environmental Defense/National Fish and Wildlife Foundation. (\$76,100)

Hahn, D. and M.R.J. Forstner. Aug 05-Aug 07. Incidence and prevalence of chytrid fungus in central Texas. Braun and Associates, Inc. Austin, TX. (\$8,600)

Forstner, M.R.J. and T. R. Simpson. May 05-June 06. Prescribed fire in the Lost Pines: Effects on small mammal fauna of Bastrop State Park. Texas Parks and Wildlife Department. (\$8,500)

Forstner, M.R.J., C. Nice, and D. Hahn. Mar 05-Nov 06. Integrating genomics CE laboratory hardware and fluidics automation within undergraduate and graduate coursework in the Department of Biology, Texas State University|San Marcos. Beckman-Coulter, Inc. (\$244,795)

Forstner, M.R.J. and J.R. Dixon. April 05-Dec 06. Conservation genetic evaluation of *Nerodia harteri* and population status of the snakes in the Colorado and Brazos river systems using state of the art molecular markers and analyses. United States Fish and Wildlife Service. (\$97,783)

Forstner, M.R.J. March 2005-Sept 2007. Introgressive threats to native turtle fauna, *Trachemys gaigeae*. National Park Service. (\$67,000)

2004

Forstner M.R.J. May 2004-Dec 2004. Tadpole DNA Analysis 2004. Loomis Austin, Inc. (\$500)

Forstner, M.R.J. Jan 2004-Aug 2006. Management of Houston toads on Private lands. Environmental Defense, Plateau Environmental, Mark Daniels. (\$8,100)

2003

- Forstner, M.R.J. Sept 2003-Dec 2006. Population structure of the captive population of *Heloderma horridum*. ASDM (\$1,000)
- Forstner, M.R.J. Oct 2003-Aug 2006. Habitat management options for Houston toads on livestock ranches. USFWS/TPWD/Environmental Defense. (\$112,193)
- Forstner, M.R.J. Apr 2003-Aug 2004. Determining the Status of the Rare Rio Grande cooter (*Pseudemys gorzugi*) in the South Texas Plains and Edwards Plateau Regions of Texas. Ft. Worth Zoo and TPWD. (\$40,200).
- Forstner, M.R.J. Mar 2003-June 2005. Multiple life-stage tracking of the Houston toad (*Bufo houstonensis*) using active and passive methodologies. USFWS/USGS. (\$31,686)

2002

- Forstner, M.R.J. Sept 2002-Sept 2003. Baseline assessments in conservation: the Houston toad in Bastrop County. Bastrop County/EPA. (\$29,594)
- Forstner, M.R.J. June 2002-May 2004. Genetics of a putative Houston toad hybrid zone. ALCOA (\$24,108)
- Forstner, M.R.J. Jan 2002-Dec 2003. Houston toad biology. USFWS/TPWD/BC. (\$16,500)
- Forstner, M.R.J. & J. Baccus Jan 2002-Dec 2005. Houston toad life history and genetics. USFWS/TPWD/BSA. (\$346,800)

2001

- Forstner, M.R.J. May 2001-June 2002. Genetic analyses of unknown tadpoles. ALCOA. (\$49,574)
- Forstner, M.R.J. March 2001-March 2002. Habitat use by the Houston toad. ALCOA. (\$56,339)
- Pastorini, J. and M.R.J. Forstner. Jan 2001-Dec 2001. Population genetics of Ringtailed lemurs. A.H. Schultz Foundation. (\$5,710)

2000

- Pastorini, J. and M.R.J. Forstner. Nov 2000-Dec 2001. Population genetics of Mongoose lemurs. Julius Klaus Foundation. (\$9,280)
- Forstner, M.R.J. and J. Pastorini. Nov 2000-Jan 2001. Genetic marker development for endangered lemurs. (\$20,850)
- Forstner, M.R.J. Mar 2000-Dec 2000. DNA sequence identification of *Bufo* tadpoles including those of the endangered Houston toad (*Bufo houstonensis*). ALCOA. (\$76,910)

1998

- Forstner, M.R.J. and B.K. Mealey. Jun 1998-Dec 1999. Conservation genetics of *Malaclemys* in Texas and Florida. Species at Risk Program of the USGS. (\$89,595)
- Melnick, D., J.C. Morales, M.R.J. Forstner. April 1998. Supplemental award toward: Population genetics, molecular systematics, and the evolution and conservation of Asian macaques and Leaf monkeys. NSF Physical Anthropology Panel. (\$14,000)

1997

- Melnick, D., J.C. Morales, M.R.J. Forstner. Aug 1997-Jul 2001. Population genetics, molecular systematics, and the evolution and conservation of Asian macaques and Leaf monkeys. NSF Physical Anthropology Panel. (\$309,562)
- Forstner, M.R.J. and S.K. Davis. Jun 1997-Dec 1998. Population status and genetic variation in U.S. populations of the Big Bend slider (*Trachemys gageae*). Species at Risk Program. USGS. (\$55,428)
- Forstner, M.R.J. and S.K. Davis. Jan 1993-Jan 1995. Phylogenetic analysis of the snake family Boidae using mtDNA sequence data. NSF Dissertation Improvement Grant, #DEB9310983. (\$9,500)

2. Submitted, but not Funded, External Grants and Contracts:**2009 (\$1,657,037 (n=7) submitted and now in review)**

- Riger, P., P. Crump and M.R.J.Forstner. Aug 2009-Dec 2010. **In review.** Houston toad (*Bufo houstonensis*) head-starting program. TPWD SWG program. (\$108,500)
- Forstner, M.R.J. and S. McCracken. Aug 2009-Aug 2011. **In review.** Environmental quality effects and the ecological context of vertically stratified rainforest canopy fauna. NSF DDIG (\$14,879)
- Forstner, M.R.J. Jan 2010-Dec 2012. **In review.** Fine scale effects of prescribed fire on the Lost Pines ecosystem. USFWS/TPWD. (\$163,917)
- Hahn, D. and M.R.J. Forstner. Sept 09-Aug 11. **In review.** Distribution, dissemination and fate of salmonellae in a pristine headwater ecosystem. NIH. (\$381,683)
- Hahn, D. and M.R.J. Forstner. Jan 09-Jan 10. **In review.** Ecosystem persistence of salmonellae in a pristine headwater spring ecosystem. TXState REP (\$16,000)
- Gaston, M., D. Wolfe, and M.R.J. Forstner. April 09-Jan 11. **In review.** HCP Land Acquisition: Herms Tract. USFWS (\$910,058)
- Fry, B., C. Hernández-Jiménez, and M.R.J. Forstner. May 09-Aug 10. **In review.** Where is the black beaded lizard (*Heloderma horridum alvarezii*)? National Geographic (\$62,000)

3. Funded Internal Grants and Contracts:

- Forstner, M.R.J. and D. M. Garcia. Jan 2001-Dec 2001. Phylogenetic analyses of the alpha-actinins and sequence characterization of novel isoforms. SWT-REP Program. (\$15,990)
- Forstner, M.R.J. May 2000-Aug 2000. Grant and Research Development Award. SWTSU. (\$7,000)
- Forstner, M.R.J. Jan 2000-Dec 2001. The genetic consequences of an ancient lake for Chihuahuan desert reptiles. SWTSU REP program. (\$5,355)
- Forstner, M.R.J. April 1998. International Travel Award. University Research Council, FAU. (\$1,000)
- Forstner, M.R.J. Jan 1998-Jan 1999. Population genetics of the turtle, *Malaclemys terrapin*, in Florida. Florida Atlantic University Research Council. (\$4,930)

4. Submitted, but not Funded, Internal Grants and Contracts:

N/A

5. Fellowships, Awards, Honors:

- Endowed Chair of Genetics (Alexander-Stone Chair), Texas State University. 2008-2014.
- Professor of International Studies (Honorary title). 2008-2011.
- Biography published in Who's Who in America. 2009.
- Biography published in Marquis Who's Who 2008-2009.
- Excellence in Scholarly/Creative Activities. 2007. San Marcos Chamber of Commerce Education Committee. San Marcos, TX.
- Biography published in Who's who among American teachers and educators. 2007.
- Presidential Award for Excellence in Scholarly/Creative Activities (Associate/Full Professor level) 2006. Texas State University, San Marcos, TX.
- Outstanding Achievement in Academics. 2002. San Marcos Chamber of Commerce Education Committee. San Marcos, TX
- SWTSU Presidential Award for Excellence in Scholarly/Creative Activities (Assistant Professor level), 2001. Southwest Texas State University. San Marcos, TX.

III. TEACHING**A. Teaching Honors and Awards:**

N/A

B. Courses Taught:

2000-present

Undergraduate: BIO 2450 Genetics
 BIO 4299 Undergraduate Research
 BIO 4369 Biosystematics
 BIO 4465 Entomology
 BIO 3401 Evolution & Genetics
 BIO 4434 Herpetology
 BIO 4299 Undergraduate Research
 BIO 1420 Zoology

Graduate: BIO 7466 Advanced Phylogenetics
 BIO 7102 Seminar in Aquatic Resources
 BIO 5434 Herpetology
 BIO 7402 Molecular Field Techniques
 BIO 5466 Phylogenetic Methods
 BIO 7314 Research Experience
 BIO 7303 Research
 BIO 7203 Problems in Aquatic Resources
 BIO 5465 Entomology
 BIO 5319 Topics in Ecology (Molecular Biology)
 BIO 5466 Phylogenetic Methods
 BIO 7360 Special Topics in Biology/Aquatic Resources

1997-1999 (Florida Atlantic University)

Undergraduate: BSC 4427L Biotechnology Lab II (was Biotechnology)
 BSC 4403L Biotechnology Lab I (was Intermediate Microbiology)
 PCB 4674 Evolution
 PCB 3063 Genetics
 PCB 4522 Molecular Genetics
 BSC 4905 Undergraduate Directed Independent Studies

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):**Ph.D. STUDENTS SUPERVISED:****Current: 5 (Chair), 9 total**

Donald Brown (Ph.D. 2009- exp 2013). Aquatic ecosystem effects from prescribed fire in southern forests. Texas State University, San Marcos, TX. Chair.

Michele Gaston (Ph.D. 2008- exp 2012). Phylogenetics and population genetics in the face of wide spread introgression: the case of the cricket frogs of Texas. Texas State University, San Marcos, TX. Chair.

James (Buddy) Gaertner (2007-Ph.D. exp 2011). The autecology of Salmonella. Texas State University, San Marcos, TX. Committee member.

Allana Welsh (Ph.D. exp 2009 (2005, candidacy 2007)). Microbial ecology of the soil bacteria, *Frankia*. Texas State University, San Marcos, TX. Committee member.

- Brian Mealey (Ph.D. exp 2008 (2004, candidacy 2007)). Vertebrate ecology of the Florida Bay estuarine vertebrates. Florida Atlantic University. Davie, FL. Committee member.
- Diana McHenry (Ph.D. exp 2008). Population genetics and endemism, the Houston toad and sympatric proxy in understanding its historical population dynamics. University of Missouri, Columbia, MO. Co-Chair.
- Jake Jackson (Candidacy 2008, Ph.D. exp 2009). Consequences of anthropogenic changes in the Rio Grande drainage on vertebrate community composition and population dynamics. Texas State University, San Marcos, TX. Chair.
- Rozihan Mohamed (Ph.D. exp 2009). The development and application of mitochondrial DNA and DNA microsatellite markers for the Horseshoe crab (*Carcinoscorpius rotundicauda*) in Malaysia. University Kebangsaan Malaysia. Kuala Lumpur, Malaysia. Committee member.
- Shawn McCracken (Candidacy 2008, Ph.D. exp 2010). Modeling hydrologic patterns correlated with diversity in tropical amphibians. Texas State University, San Marcos, TX. Chair.

Graduates: 2 as co-Chair, 5 total

- Todd Swannack. Ph.D. 2007. Ecology of the Houston toad (*Bufo houstonensis*). Texas A&M University, College Station, TX. Committee member. Current Position: Postdoctoral researcher, Texas A&M University.
- David Rodriguez Ph.D. 2007. The genetics of endangered species recovery: an example from *Crocodylus acutus*. Texas Tech University. Lubbock, TX. Co-Chair. Current Position: Lecturer, Texas Tech University.
- Jennifer Pastorini Ph.D. 2000. Molecular systematics of lemurs. University of Zürich, Zürich, Switzerland. Co-chair. Current Position: Research Scientist, Centre for Conservation and Research, 35 Gunasekara Gardens, Nawala Road, Rajagiriya, Sri Lanka.
- Adura Adnan Ph.D. 1999. Conservation genetics of the Malaysian mouse deer (*Tragulus*). University of Malaysia, Kuala Lumpur, Malaysia. External Advisor. Current Position: Assistant professor, University of Malaysia, Kuala Lumpur, Institute of Biotechnology and Life Sciences, KL, Malaysia.
- Wen Wang Ph.D. 1996. Conservation genetics of the Chinese leaf monkeys. Kunming Institute, Kunming, China. External Advisor. Leader, Max Planck Junior Research Group on Evolutionary genomics and deputy director of the Key laboratory of cellular and molecular evolution, and Assistant director of the Kunming institute of Zoology, Chinese Academy of Sciences.

M.Sc. STUDENTS SUPERVISED: Current: 10 (Chair); 11 total

- Amanda Schultz (M.Sc. 2009-exp 2011). TBA. Texas State University. San Marcos, TX. Chair.
- Brian Dickerson (M.Sc. 2009-exp 2011). Impacts of urbanization on freshwater turtle demographics. Texas State University. San Marcos, TX. Chair.
- Daniel Jones (M.Sc. 2008-exp 2010). Molecular tests for melanism in deer. Texas State University. San Marcos, TX. Chair.
- Romey Swanson (M.Sc. 2007-exp 2009). Amphibian, Reptile and Mammal Assemblages of Palmetto State Park and the Ottine Wetlands with Comparisons to Historical Data. Texas State University. San Marcos, TX. Committee Member.
- Naveen Mahato (M.Sc. 2008-exp 2010). Conservation planning in the red panda of Nepal. Texas State University. San Marcos, TX. Chair.
- Rebecca Holihan (M.Sc. 2007-exp 2009). Assessing success in sea turtle rehabilitation efforts in Texas. Texas State University. San Marcos, TX. Chair.
- Vincent Farallo (M.Sc. 2007-exp 2009). Population genetics of mottled rock rattlesnakes (*Crotalus lepidus lepidus*) toward an understanding of adaptive color hypotheses. Texas State University. San Marcos, TX. Chair.
- Adriana Pérez (M.Sc. 2006-exp 2009). Genetic variability and phylogenetics of *Heloderma horridum charlesbogerti* (Sauria : Helodermatidae) wild caught and captive individuals

using microsattellites: relationships and implications for its conservation. Universidad de Costa Rica. San Jose, Costa Rica. Co-Chair.

Laura Villalobos (M.Sc. 2005-exp 2009). Field ecological approaches in low detection endangered species. Texas State University. San Marcos, TX. Chair.

Jim Bell (M.Sc. 2005-exp 2009). Detection of rare fauna using automated and molecular techniques. Texas State University. San Marcos, TX. Chair.

Graduates: 19 (Chair); 32 total

2008

Donald Brown (M.Sc. 2007-2008). The effects of three decades of change on the south Texas aquatic turtle community. Texas State University. San Marcos, TX. Chair.

Akiko Fujii (M.Sc. 2006-2008). Conservation genetics in Texas tortoises (*Gopherus berlandieri*). Texas State University. San Marcos, TX. Chair.

Michele Gaston (M.Sc. {2001 }2006-2008). Are common reptile and amphibian taxa also in decline? Texas State University, San Marcos, TX. Chair.

Julie Parlos (M.Sc. 2005-2008). Effects of roost size on the metapopulation genetics in microchiropterans. Texas State University. San Marcos, TX. Chair.

Daniela Buzo (M.Sc. 2006-2008). Conservation stewardship using GIS modeling and tools in habitat characterization of the Houston toad. Texas State University. San Marcos, TX. Chair.

2007

David Von Miller (M.A. 2004-2007). A GIS approach for the Texas Diamondback terrapin, *Malaclemys terrapin littoralis* applicable for management and conservation priorities. University of West Florida, Pensacola, FL. Practicum Supervising Advisor (Faculty Chair).

James (Buddy) Gaertner (M.Sc. 2005-2007). Tracking wildlife pathogens in applications of ecosystem management. Texas State University. San Marcos, TX. Committee member.

John McVay (M.Sc. 2004-2007). Phylogeography of the blotched watersnake (*Nerodia erythrogaster*) in Texas. Texas Tech University. Lubbock, TX. Committee member.

2006

Zach Gompert (M.Sc. 2004-2006). Evolutionary consequences of hybridization in the *Lycaides* species complex. Texas State University. San Marcos, TX. Committee member. Current Position: Doctoral Student, University of Cambridge, UK.

Melissa Jones. M.Sc. 2006. Effects of prescribed burns on small mammal populations with comments on amphibian populations. Texas State University. San Marcos, TX. Chair. Current Position: Lecturer, Comparative Anatomy, Virginia.

Angela Feltoon M.Sc. 2006. Conservation genetics using mtDNA and microsatellite markers in the beaded lizards. Texas State University. San Marcos, TX. Chair. Current Position: Research Technician III, Ambion, a division of Applied Biosystems.

2005

Adam Ferguson M.Sc. 2005. Predation effects and consequences to pit fall survey assessments of vertebrate fauna. Texas State University. San Marcos, TX. Chair. Current position: Museum Assistant, San Angelo State University, San Angelo, Texas.

Lindley Bailey M.Sc. 2005. Conservation genetics in Texas river turtles. Texas State University. San Marcos, TX. Chair. Current Position: doctoral student, Texas State University. Current Position: Air Quality Planning section, TCEQ, Austin, Texas. (512) 239-0003.

Maurine Spencer M.Sc. 2005. Population genetics of locally endemic butterflies. Texas State University. San Marcos, TX. Committee member. Current Position: IPC High School teacher, Dallas, TX.

Jonas Rosenthal M.Sc. 2005. Phylogeographic signatures of a Pleistocene lake in west Texas. Texas State University. San Marcos, TX. Chair. Current Position: Human ancestry researcher, laboratory technician, Trace Genetics, Richmond, CA.

2004

Christa Bates M.Sc. 2004. Gene regulation in biofilm formation. Texas State University, San Marcos, TX. Committee member. Current Position: Laboratory Technician, Ambion, Inc., Austin, TX.

Nicole Burpo M.Sc. 2004. Dietary protein effects on the Black Knob Sawback (*Graptemys nigrinoda*). Texas State University. San Marcos, TX. Chair. Current Position: Research Scientist, Division of Waste Management, 14 Reilly Road, Frankfort, KY 40601, (502) 564-6716 ext. 244, Fax (502) 564-2705.

Prasad Phatarpekar M.Sc. 2004. Isolation and sequencing of Muscarinic Acetylcholine Receptor genes from fish. Texas State University. San Marcos, TX. Committee member. Current Position: doctoral student, University of Oklahoma

Kensley Greuter M.Sc. 2004. Survivorship and growth in the endangered Houston toad. Texas State University, San Marcos, TX. Chair. Current Position: Supervisor, water resource quality, TCEQ, Austin TX

Dijar Lutz-Carillo M.Sc. 2004. Evaluation of polymorphic microsatellite loci in largemouth bass (*Micropterus salmoides*). Texas State University, San Marcos, TX. Committee member. Current Position: Research scientist, population genetics, TPWD, San Marcos, TX

2003

Sue Morris M.Sc. 2003. Systematic status of *Blarina* in the Lost Pines, Bastrop Co. TX. Texas State University, San Marcos, TX. Chair. Last known Position: doctoral student, Texas State University

Gina Lobban M.Sc. 2003. Molecular dynamics of intra-erythrocyte parasites in chelonian populations. SWTSU, San Marcos, TX. Chair. Current Position: Instructor, community college

2002

Diana McHenry M.Sc. 2002. Molecular systematics of the Texas genera of Nyctaginaceae. SWTSU, San Marcos, TX. Chair. Current Position: doctoral student, University of Missouri, Columbia, MO

Mike McFadden M.Sc. 2002. Phylogenetic evaluation of the Corn snake (*Elaphe guttata*). SWTSU, San Marcos, TX. Chair. Current Position: DVM surgical intern, Texas A&M University

Dolores Weisbaum M.Sc. 2002. Description and distribution of antennular setae of Scyllarid lobsters (*Scyllarides aequinoctialis*, *S. latus*, and *S. nodifer*) with comments on their possible function. SWTSU, San Marcos, TX. Chair. Current Position: Technician, UTMB, Galveston, TX

Matt Stephens M.Sc. 2002. Phylogenetic dynamics of feeding apparatus in cichlid fishes. SWTSU, San Marcos, TX. Committee member.

2001

Lindsay Miller M.Sc. 2001. Effects of hurricane Georges on a population of *Malaclemys terrapin* in Florida bay. FAU, Davie, FL. Co-chair. Current Position: Instructor, Nova SE University, Davie, FL.

Jamie D. Dixon M.Sc. 2001. The genetic constitution of a possible *alpha*-actinin isoform. SWTSU, San Marcos, TX. Committee member. Current Position: Self employed, Bulverde, TX

Janie Nelan M.Sc. 2001. Egg comparisons and volume estimation methods between the common musk turtle (Kinosternidae: *Sternotherus odoratus*) and the Texas tortoise (Testudinidae: *Gopherus berlandieri*). SWTSU, San Marcos, TX. Committee member. Current Position: doctoral student, UT Arlington, Arlington, TX

Katy Windham M.Sc. 2001. Acyl-homoserine lactone recruitment of bacteria into biofilms. SWTSU, San Marcos, TX. Committee member. Research Technician II, Cornell University, Ithaca, NY.

2000

Chris White M.Sc. 2000. Phylogenetic relationships among members of the crinoid family Comasteridae from DNA sequence analyses of extant taxa. NOVA, Davie, FL. Committee member.

1999

Pat Razzano, M.Sc. 1999. Genetic variation in North American populations of the six-lined racerunner (*Cnemidophorus sexlineatus*). Hofstra University, Long Island, NY. External Advisor. Current Position: North Shore/LIJ Research Institute, Manhasset, NY 11030.

D. Courses Prepared and Curriculum Development:

BIO 2450 Genetics
 BIO 4369 Biosystematics
 BIO 5466 Phylogenetic Methods
 BIO 7466 Advanced Phylogenetics
 BIO 7402 Molecular Field Techniques

E. Funded External Teaching Grants and Contracts:

Forstner, M.R.J. Feb 06-Dec 10. Student conservation stewardship award for Houston toad research. Bluebonnet Electric. (\$64,781)

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

Rodriguez, D. and M.R.J. Forstner. June 06-Aug 06. Predoctoral fellowships in Science for underrepresented minorities. Texas State University. (\$11,000)

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

N/A

I. Other

N/A

IV. SERVICE

A. University:

Freeman Ranch Advisory Board, 2004-present
 IACUC-Chair, 2004-present
 IACUC-committee member, 2000-2004
 University Ambassadors Council: Department of Biology Representative, 2006-present
 Academic Computing Committee, 2008-present
 Presidential award (Scholarship), Selection committee member, 2001-2002
 Mitte Chair in Water Search Committee member 2007
 Presidential Award (Scholarship), Selection committee member, 2006-2007

B. Departmental:

Department of Biology Graduate committee, member 2001-present
 Development Committee, member 2006-present
 Department of Biology Computers and Network committee, member 2004-present

Department of Biology Aquarena Building Management Committee, Chair 2008-present

Department of Biology Land and Properties Use Committee, Chair 2004-2008

Department of Biology Space committee, Chair 2007-2008
member 2005-2007

Department of Biology Norris Award committee 2005-present

Department of Biology Research committee, member 2004-2007

Department of Biology Tenure/promotion/continuance committee, member 2004-2005

Department of Biology Mitte Chair committee, member 2004-2006

Department of Biology Academic Program review committee, member 2004-2005

Department of Biology Safety committee, 2001-2005

Department of Biology Annual Review committee (Scholarship), member 2004-2005

Department of Biology Planning committee, 2002-2004

C. Community:

Professional Advisor (exotics), City of Austin, Town Lake Animal Shelter, 2001-present

Houston toad Biological Advisory council, 2000-2002

Scientific Review Board, Miami Museum of Science, 1999-2003

D. Professional:

International:

IUCN Turtle Survival Alliance founding partner, 2001-present

Scientific advisory group member, Institute of Biotechnology, University of Malaysia 1999-present

IUCN/TSA/SSC Steering committee member, 2003-2007

IUCN/TSA/SSC TMG Chair (*Erymnochelys madagascariensis*), 2005-2007

IUCN/TSA/SSC TMG co-Chair (*Erymnochelys madagascariensis*), 2003-2005

IUCN/TSA/SSC Scientific advisor, 2002-2004

IUCN/TSA/SSC TMG Chair (*Heosemys grandis*), 2001- 2005

National:

Houston toad Recovery team member, 2001-present

Elect Member, Board of Scientists, Chihuahuan Desert Research Council 1999-present

Grant Reviewer: NSF, National Geographic, IUCN/TSA, National Wildlife Federation
Molecular Ecology, Molecular Evolution

Tewksbury Herpetological Institute, Advisory board member, 2003-2005

State:

Grant reviewer: Texas Academy of Science

President-Texas Herpetological Society 2005-2006

President Elect-Texas Herpetological Society 2004-2005

Vice President- Texas Herpetological Society, 2003-2004

E. Organizations

President-Texas Herpetological Society 2005-2006

President Elect-Texas Herpetological Society 2004-2005

Vice President- Texas Herpetological Society, 2003-2004

Elect Member, Board of Scientists, Chihuahuan Desert Research Council 1999-present

Scientific Review Board, Miami Museum of Science, 1999-2003

1. Honorary:

2. Professional:

Society of Systematic Biologists, 2001-present
Society for the Study of Amphibians and Reptiles, Life Member 1998-present
Southwestern Association of Naturalists Life Member 2005-present
Texas Academy of Science, 2000-2004
American Society of Ichthyologists and Herpetologists, 1998-2000