

## CURRICULUM VITAE

# REBECCA M. CALISI

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### EDUCATION

- Ph.D. (Integrative Biology)** The University of California at Berkeley, began summer 2006 • Advisor: Dr. George E. Bentley  
**Research Interest:** The effects of seasonal and social stress on avian reproductive neurophysiology.
- M.S. (Biology)** The University of Texas at Arlington, May 2006 • Advisor: Dr. Daniel R. Formanowicz  
**Thesis title:** Proximate and ultimate mechanisms associated with female secondary coloration in the Mexican Boulder Spiny Lizard, *Sceloporus pyrocephalus*.
- B.A. (Psychology)** Boston College, (*cum laude*, high honors), May 2001 • Advisor: Dr. Hiram Brownell

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### PUBLICATIONS

#### JOURNAL ARTICLES:

- Calisi, R.M. and G.E. Bentley. 2009. Lab and field experiments: Are they the same animal? *Hormones and Behavior*, in review.
- Bentley, G.E., Ubuka, T., McGuire, N.L., Calisi, R.M., Perfito, N., Kriegsfeld, L.J., Wingfield, J.C. and Tsutsui, K. 2009. GnIH: A Multifunctional Neuropeptide. *Journal of Neuroendocrinology* (in press)
- Calisi, R.M. and J. H. Malone. 2008. Female secondary coloration in the Mexican boulder spiny lizard (*Sceloporus pyrocephalus*) is associated with nematode load. *Journal of Zoology*. 276:358-367.
- Calisi, R.M., Rizzo, N.O., Bentley, G.E. 2008. Seasonal differences in hypothalamic EGR-1 and GnIH expression following capture-handling stress in house sparrows (*Passer domesticus*). *General and Comparative Endocrinology*. 157:283-287.
- Ubuka, T., McGuire, N.L., Calisi, R.M., Perfito, N. and Bentley, G.E. 2008. The control of reproductive physiology and behavior by gonadotropin-inhibitory hormone. *Integrative and Comparative Biology*. 1-10.
- Calisi, R.M. and D.K. Hews. 2007. Steroid correlates of multiple color traits in the spiny lizard, *Sceloporus pyrocephalus*. *Journal of Comparative Physiology* 177:641-654.
- Calisi, R.M. 2005. Variation in Bidder's organ volume is attributable to reproductive status in *Bufo woodhousii*. *Journal of Herpetology* 39(4): 656-659.
- Calisi, R.M. 2004. Geographic distribution. *Hyla squirrela*. *Herpetological Review* 35:282.

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### GRANTS & AWARDS

2008	Mentor Research Award, UC Berkeley	\$14,000
2008	Outstanding Graduate Student Instructor Award, UC Berkeley	-
2008	Ford Predoctoral Fellowship Honorable Mention	-
2008	Society of Integrative and Comparative Biology, Div. Neurobiology - Best Poster	\$100
2008	Society of Integrative and Comparative Biology Student Research Grant	\$1,000
2006	Univ. California, Berkeley, Berkeley Edge Summer Fellowship	\$6,000
2006-2008	Univ. California, Berkeley, Chancellor's Fellowship	\$92,000
2006-2007	Arizona State Univ., Ph.D. Fellowship: <i>declined</i>	\$20,000
2006	Phi Sigma Student Research Grant, Univ. Texas, Arlington	\$1000
2006	Phi Sigma Student Travel Grant, Univ. Texas, Arlington	\$100
2005	Nominated by D.K. Hews (ISU) as a Student Associate Member, Society of Sigma Xi	-
2005	Howard McCarley Student Research Award, Southwestern Association of Naturalists	\$1000
2005	Texas Academy of Science Student Research Grant	\$500
2005	Texas Academy of Science Student Travel Award	\$100
2005	Phi Sigma Student Travel Award, Univ. Texas, Arlington	\$100
2004	Phi Sigma Student Research Grant, Univ. Texas, Arlington	\$1000
2004	Phi Sigma Student Travel Grant, Univ. Texas, Arlington	\$100
2004	East Texas Herpetological Society Student Research Grant	\$500

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## PRESENTATIONS

### PAPERS:

- Bentley, G.E., Ubuka, T., McGuire, N.L., **Calisi, R.M.**, Perfito, M.N., Tsutsui, K., Wingfield, J.C. Regulation of vertebrate reproduction by GnRH and GnIH. Society for Integrative and Comparative Biology, Boston, MA.
- Bentley, G.E., McGuire, N., **Calisi, R.M.**, Perfito, N. and Ubuka, T. **2008**. Gonadotropin-inhibitory hormone: A synopsis. Society for Integrative and Comparative Biology, San Antonio, TX.
- Calisi, R.M.**, J.H. Malone, and D.K. Hews. **2006**. Female secondary sexual coloration in a spiny lizard is associated with nematode load, testosterone, and reproductive state. Animal Behaviour Society, Snow Bird, Utah.
- Calisi, R.M.** and J.H. Malone. **2006**. Female secondary coloration elicits particular behavioral responses from conspecific males and females in a spiny lizard. Texas Academy of Science, Lamar University, Beaumont, Texas.
- Calisi, R.M.**, J.H. Malone, J. W. Malcom, and D.R. Formanowicz. **2005**. Size and secondary color correlates to area coverage in the Mexican Boulder Spiny Lizard, *Sceloporus pyrocephalus*. Texas Herpetology Society Meeting, Austin, Texas.
- Calisi, R.M.** and D.K. Hews. **2005**. Plasma hormone concentrations and sexual color traits in male and female *Sceloporus pyrocephalus* lizards. Animal Behavior Society, Snow Bird, Utah.
- Calisi, R.M.** and J.H. Malone. **2005**. Female coloration and parasitism in the Mexican boulder spiny lizard, *Sceloporus pyrocephalus*. Texas Academy of Science, Pan American University, Edinburgh, Texas.

### INVITED LECTURES:

- Calisi, R.M.** **2009**. The effects of seasonal and social stress on the reproductive neuroendocrinology of European starlings. Invited speaker in symposium entitled "From phylogeny to physiology: integrative studies of starlings and mockingbirds," American Ornithologists' Union. Philadelphia, Aug 12-14.
- Calisi, R.M.** **2007**. Methods used in endocrine analyses. Comparative Endocrinology course guest lecturer, Univ. California at Berkeley.
- Calisi, R.M.** **2007**. Neural pathways of reproductive strategies: A review. Neurocircuitry Seminar Series, Univ. California at Berkeley.
- Calisi, R.M.** **2006**. Proximate and ultimate mechanisms associated with female secondary coloration in the Mexican Boulder Spiny Lizard, *Sceloporus pyrocephalus*. Animal Behavior Seminar, Univ. California at Berkeley.
- Calisi, R.M.** **2006**. Proximate and ultimate mechanisms associated with female secondary coloration in the Mexican Boulder Spiny Lizard, *Sceloporus pyrocephalus*. Ph.D. program interview lecture, Dept. of Integrative Biology, Bentley Lab, Univ. California at Berkeley.
- Calisi, R.M.** **2005**. Could the Mc1r gene be influencing secondary color variation in a spiny lizard? A review of the evidence and proposal for further investigation. Phi Sigma Society, Univ. Texas at Arlington.
- Calisi, R.M.** **2005**. The importance of studying secondary sexual color: a look at female coloration in the Mexican Boulder Spiny Lizard. Comparative Vertebrate Anatomy course guest lecturer, Univ. Texas at Arlington.
- Calisi, R.M.** **2004**. Determining enrichment effects on captive Tree lizards, *Urosaurus ornatus*, using corticosterone as an index of stress reactivity. Phi Sigma Society, Univ. Texas at Arlington.
- Calisi, R.M.** **2004**. Glucocorticoids and the Adrenal gland. Stress Hormones and their role in reproduction. Endocrinology course guest lecturer, Univ. Texas at Arlington.

### POSTERS:

- Calisi, R.M.**, N.O. Rizzo and G.E. Bentley. **2008**. Capture-handling stress and its effects upon hypothalamic EGR-1 and GnIH expression in House sparrows (*Passer domesticus*). Society for Integrative and Comparative Biology, San Antonio, TX.
- Calisi, R.M.** and G.E. Bentley. **2007**. Lab and field experiments: are they the same animal? Society for Integrative and Comparative Biology, Phoenix, Arizona.
- Calisi, R.M.** and J.H. Malone. **2005**. Relationships between body size and territory acquisition in Mexican boulder spiny lizards, *Sceloporus pyrocephalus*. Texas Academy of Science, Pan American University, Edinburgh, Texas.
- Calisi, R.M.** and J.H. Malone. **2004**. Relaciones entre tamaño corporal y adquisición de territorio en lagartijas espinosas de las rocas, *Sceloporus pyrocephalus*, hembras y machos. Mexican National Herpetology Conference held by La Sociedad Herpetológica Mexicana, A. C. (SHM) at Universidad Autónoma de Juárez, Villahermosa, Tabasco, México.
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## APPOINTMENTS

2007, 2008 Graduate Student Instructor, Comparative Endocrinology, Univ. California, Berkeley  
2007 Graduate Student Instructor, Animal Behavior, Univ. California, Berkeley  
2006 Research Assistant, Bentley Lab, Univ. California, Berkeley  
2006 Graduate Teaching Assistant, Structure and Function of Organisms, Univ. Texas, Arlington  
2005 Research Assistant, Tropical Herpetofauna Catalogue, Univ. Texas, Arlington  
2004 Head Graduate Teaching Assistant, Cell and Molecular Biology, Univ. Texas, Arlington  
2003 Graduate Teaching Assistant, Cell and Molecular Biology, Univ. Texas, Arlington  
2002-2003 Instructor, Education and Research Department, Dallas Zoo and Aquarium

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## SERVICE

2009 Grant writer for capoeira (Brazilian martial art) after school program for at-risk teens, Aceituno Arts Coop.  
2008,2009 Member, Graduate Admissions Diversity Committee, Dept. Integrative Biology, UC Berkeley  
2007, 2008 Volunteer, Co-coordinator for prospective graduate student visits, Dept. Integrative Biology, UC Berkeley  
2007 Mentor to college student Emanuel Zamora, NSF Research Experience for Undergrads (REU), UC Berkeley  
2007 Volunteer, Student coordinator for departmental mixer, UC Berkeley  
2006 Mentor to high school student Noel Cruz, Eastside Project (increasing diversity in academics), UC Berkeley  
2006 Volunteer, Texas Science Olympiad (Grades 6-12): Genetics Section, Univ. Texas, Arlington  
2005-2006 Graduate Student Senator for M.S. Biology program, Univ. Texas, Arlington  
2005-2006 Co-Chair, Guest Speaker Committee, Phi Sigma Biology Honors Society, Univ. Texas, Arlington  
2000-2001 President of Psi Chi (Psychology Honor Student Society), Boston College

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## SOCIETY MEMBERSHIPS

Animal Behavior Society  
Phi Sigma Honor Society (President, Boston College Chapter, 2000-2001)  
Society for Behavioral Neurobiology  
Society for Integrative and Comparative Biology  
Society of Sigma Xi, Student Associate Member