

SEAN P GRAHAM

Assistant Professor  
Sul Ross State University  
Department of Biology, Geology, & Physical Sciences  
P.O. Box C-64, Alpine, TX 79830  
432-837-8084  
sean.graham@sulross.edu

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EDUCATION

2007-2011: PhD in Biology. Auburn University (Advisors: Dr. Craig Guyer and Dr. Mary T. Mendonça). Dissertation title: "Ecoimmunological investigations of the Cottonmouth (*Agkistrodon piscivorus*)."

2003-2006: Masters in Biology. Georgia State University (Advisor: Dr. Matthew Grober). Thesis title: "An integrative analysis of reproduction and stress in male Cottonmouths (*Agkistrodon piscivorus*)."

1995-2000: Bachelor of Art in Communications (film) with honors (cum laude). Georgia State University.

PROFESSIONAL EXPERIENCE

2014-present: Assistant Professor of Biology, Sul Ross State University

2013-2014: Visiting Assistant Professor of Biology, University of Findlay

2011-2013: Post Doctoral Fellow. The Pennsylvania State University (Advisor: Dr. Tracy Langkilde).

PROFESSIONAL ASSOCIATIONS

Society for the Study of Amphibians and Reptiles (editor for Herpetological Review)

American Society of Ichthyologists and Herpetologists

Southwestern Partners in Amphibian and Reptile Conservation (steering committee member)

HONORS, AWARDS, AND LISTINGS

2010-ASIH Frederick H. Stoye Award, Physiology & Physiological Ecology-Winner

2010-Auburn University Dean's Research Award-Graduate Student Winner

2007-SSAR Henri Seibert Award for Physiology and Morphology-Winner

2005-SSAR Henri Seibert Award for Physiology and Morphology-Honorable Mention

2005-GSU Biology Department Teaching Award-Winner

PUBLICATIONS (recent)

- Herr, M., **S.P. Graham**, and T. Langkilde. Stressed snakes strike first. *General and Comparative Endocrinology*, in press.
- Camp, C.D., J. Wooten, **S.P. Graham**, and T. Pauley. Ecological limits to local species richness in dusky salamanders (genus *Desmognathus* Baird). *Canadian Journal of Zoology*, in press.
- Graham, S.P.**, C. Thawley, T. Robbins, N. Freidenfelds, and T. Langkilde. Are invasive species stressful? The glucocorticoid profile of native lizards exposed to invasive fire ants depends on the context. *Physiological and Biochemical Zoology*, in press.
- Carlson, B.E., C.J. Thawley, and **S.P. Graham**. 2016. Natural history of the Valley and Ridge salamander (*Plethodon hoffmani*): demography, movement, microhabitats, and abundance. *Herpetological Conservation and Biology* 11: 315-327.
- Deitloff, J., C. Floyd, and **S.P. Graham**. 2016. Examining head-shape differences and ecology in morphologically similar salamanders at their zone of contact. *Copeia* 104: 233-242.
- Stevenson, D. J., Jenkins, C. L., Stohlgren, K. M., Jensen, J. B., Bechler, D. L., Deery, I., Duff, D., **Graham, S. P.**, Herrington, R., Higgins, P., Horan, R. V., Kelehear, C. et al. 2015. Significant new records of amphibians and reptiles from Georgia, USA. *Herpetological Review* 46: 597-601.
- Graham, S.P.**, D.A. Steen, M. Bailey, J. Stiles, S. Stiles, T. Langkilde, and C. Guyer. 2015. The Amphibians and Reptiles of Conecuh National Forest, Escambia and Covington Counties, Alabama. *Bulletin of the Alabama Museum of Natural History* 32: 1-112 (*monograph*).
- Graham, S.P.**, C. Ward, J. Shelby, S. Sterrett, and M.T. Mendonça. 2015. Sexual size dimorphism and seasonal variation in sex hormones in the Pascagoula Map Turtle, *Graptemys gibbonsi*. *Copeia* 2015: 42-50.
- Walker, D. M., B. R. Lawrence, D. Esterline, **S. P. Graham**, M. A. Edelbrock, and J.A. Wooten\*. 2014. A metagenomics-based approach to the top-down effect on the detritivore food web: a salamander's influence on fungal communities within a deciduous forest. *Ecology and Evolution* 4: 4106-4116.
- Sweirk, L., **S. P. Graham**, and T. Langkilde. 2014. The stress of scramble: Sex differences in behavior and physiological stress response in a time-constrained mating system. *Behavioral Ecology and Sociobiology* 68: 1761-1768.
- Deitloff, J., M. A. Alcorn, and **S. P. Graham**. 2014. Variation in the mating system of salamanders: mate guarding or territoriality? *Behavioural Processes* 106: 111-117.

Beane, J. C., **S. P. Graham**, T. J. Thorp, and L. T. Pusser. 2014. Natural history of the Southern Hognose Snake (*Heterodon simus*) in North Carolina, USA. *Copeia* 2014: 168-175.

Jellen, B., **S. P. Graham**, R. L. Earley, and R. Aldridge. 2014. Oestrus in a secretive species: endogenous estradiol varies throughout the shed cycle and influences attractiveness in wild northern watersnakes (*Nerodia sipedon*). *Behaviour* 151: 403-419.

#### RESEARCH AND PROFESSIONAL PRESENTATIONS

Southwest Partners in Amphibian and Reptile Conservation annual meeting, Alpine, Texas, August 2016. Good News At last: Conservation Status of the Seepage Salamander

Texas Herpetological Society, San Marcos, Texas, November 2015. Conservation Status and Phylogenetics of the Chamberlain's Dwarf Salamander in Georgia.

Texas Herpetological Society, San Marcos, Texas, November 2014. Good News at Last: Conservation Status of the Seepage Salamander.

#### GRANTS RECEIVED

National Geographic Committee for Research and Exploration grant, coauthored with Crystal Kelehear, 2016

\$18,525

State of Georgia State Wildlife Grant, coauthored with Sharon Hermann, 2014.

\$45,000

State of Georgia State Wildlife Grant, coauthored with John Maerz, 2007.

\$70,000

#### OTHER AFFILIATIONS AND INVOLVEMENT

Meeting host and organizer for the SWPARC annual conference at Sul Ross, August 2016.

Curator of the James Scudday Vertebrate Collections, 2014-present

Auctioneer, Joint Meetings of Ichthyologists and Herpetologists 2014, 2016