

SEAN P GRAHAM
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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, 2013-2020)

American Society of Ichthyologists and Herpetologists

Southwestern Partners in Amphibian and Reptile Conservation (steering committee member and co-chair, 2016)

Texas Herpetological Society 2014- present (co-chair 2018-2019)

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)

Books

Graham, S.P. *American Snakes*. 2018. Johns Hopkins University Press.

Graham, S.P. *Kennesaw: Natural History of a Southern Mountain*. University of Alabama Press. In press.

Scientific Papers

Tylan, C., K. Camacho, S. French, **S.P. Graham** et al. 2020. Obtaining plasma to measure baseline corticosterone concentrations in reptiles: how quick is quick enough? *General and Comparative Endocrinology* 287:113324.*

Feist, S., T. Mann, **S.P. Graham**, et al. 2019. A morphologically cryptic salamander reveals additional hidden diversity: evidence for ancient genetic divergence in Webster's salamander, *Plethodon websteri*. *Conservation Genetics* 20: 947-960.

Walker, D.M., A.J. Hill, M.A. Albecker, M.W. McCoy, M. Grisnik, A. Romer, A. Grujal-Puche, C. Camp, C. Kelehear, J. Wooten, J. Rhuebert, and **S.P. Graham**. 2019. Variation in the slimy salamander (*Plethodon* spp.) skin and gut-microbial assemblages is explained by geographic distance and host affinity. *Microbial Ecology*. <https://doi.org/10.1007/s00248-019-01456-x>.

Hernandez, T., M. Herr,...and **S.P. Graham**. 2019. New records for amphibians and reptiles in east central Chihuahua, Mexico. *Checklist* 15:79-86.

Walker, D.M., C.M. Murray, D. Talbert, P. Tinker, **S.P. Graham**, and T.W. Crowther. 2018. A salamander's top down effect on fungal communities in a detritivore ecosystem. *FEMS Microbiology Ecology* 94:1-9.

Thawley, C.J., M. Goldy-Brown, G.L. McCormick, **S.P. Graham**, and T. Langkilde. 2018. Presence of an invasive species reverses latitudinal clines of multiple traits in a native species. *Global Change Biology* 25: 620-628.

Graham, S.P., R. Kline, D.A. Steen, and C. Kelehear. 2018. Description of an extant salamander from the Gulf Coastal Plain of North America: The Reticulated Siren, *Siren reticulata*. *PloS ONE* 13(12): e0207460.

Book Review

Graham, S. P. 2019. Herping Texas. *Herpetological Review* 50: 177-178.

RESEARCH AND PROFESSIONAL PRESENTATIONS

Presentations

Keynote speaker: Colorado Partners in Amphibian and Reptile Conservation annual meeting. "Make your Herping Count." Boulder, Colorado, 9 February 2019.

Invited Seminar: Annual Mardis Gras Speaker at Southeastern Louisiana University. "The Secret Lives of American Snakes." Hammond, Louisiana, 28 February 2019.

Invited Seminar: Angelo State University. "Adventures with Salamanders." San Angelo, Texas, 12 April 2019.

Texas Herpetological Society fall meeting, oral presentation "Prey of the Loggerhead Shrike in West Texas." Alpine, Texas, 8 November 2019.

Media Exposure

2020 Two broadcast interviews for "Nature Notes," NPR Marfa Public Radio

2019-present Co-host of "Science Knights in the Morning", a weekly 1 hour science show. Broadcast ~ 60 shows to date.

2019 Two broadcast interviews on "The Trail Less Travelled." NPR Missoula, Montana. "Desert Ecosystems with Dr. Sean Graham" and "SNAKES: evolution, development, venom & more with Dr. Sean Graham".

2018 Interviews and news articles for the *New York Times*, *National Geographic*, *Popular Science*, *CNN*, *NPR*, and the *Alpine Avalanche*, among many others, in association with description of the Reticulated Siren

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

Co-chair and meeting host for Texas Herpetological Society at Sul Ross, 2019

Curator of the James Scudday Vertebrate Collections, 2014-present

Monthly snake lectures, Davis Mountains State Park, 2016-present