

David A. Beamer, Ph.D.
Curriculum Vitae

Biographical Information

Department of Natural Science
Nash Community College
522 N. Old Carriage Rd.
Rocky Mount, NC 27804
Phone: (252) 451-8334
Email: dbeamer@nashcc.edu
Website: www.davidabeamer.com

Professional appointments

Faculty/Lead Researcher, Nash Community College, 2010-present

Research Fellow, NSF ROA at Genomics & Microbiology Research Lab, NC Museum of Natural Sciences, 2014-2016, Bryan Stuart, advisor

Research Technician, Lake Michigan Ecological Research Station, USGS BRD, 1998-2001, Ralph Grundel, supervisor

Research Technician, Field Museum of Natural History, 1998-1999, Harold Voris, supervisor

Education

Ph.D., East Carolina University, Biology, 2015, Trip Lamb, advisor

M.S., East Carolina University, Biology, 2004, Trip Lamb, advisor

B.S., Indiana University Northwest, Biology, 1997, Spencer A. Cortwright, advisor

Grants Funded

Nash Community College Foundation Grant, Title: Professional Experiences In Science For Nash Community College Students & Faculty, 2019-2020, **\$2967**, PI

Nash Community College Foundation Grant, Title: Professional Experiences In Science For Nash Community College Students & Faculty, 2018-2019, **\$2985**, PI

Duke Energy K-12 to Career Grant Program, Title: Eighth to Associate Degree, 2018-2019, **\$75,000**
Co-PI with Lettie Allen

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Collaborative Research: Genome-Scale Phylogeographic Analysis of *Desmognathus* Salamanders. National Science Foundation – DEB-1656111, 2017-2020, **\$96,382** (grant total is \$528,022), PI

Duke Energy Water Resources Fund, Title: NCC Water Quality Institute Project, 2015-2017, **\$99,850**, Co-PI with Marguerite Bishop

National Science Foundation, Title: RESEARCH OPPORTUNITY AWARD: Biological Inventory of the Amphibians and Reptiles of Laos, Supplement to National Science Foundation – DEB-1145922, 2014-2016, **\$25,140** Co-PI with Bryan Stuart

Nash Community College Foundation Grant, Title: Transforming the Organismal Biology Lab, 2013-2014, **\$1,170**, PI

NC State Wildlife Grant Program, Title: Population status, distribution, and phylogeography of the seepage salamander (*Desmognathus aeneus*) in North Carolina, 2010-2011, **\$4,530**, Co-PI with Trip Lamb

National Science Foundation, Title: DISSERTATION RESEARCH: Detecting ecomorphological convergence in the salamander genus *Desmognathus*: A phylogenetic approach using molecular and geometric morphometric analyses, National Science Foundation – DEB-0808451, 2008-2009, **\$11,912**, Co-PI with Trip Lamb

SC State Wildlife Grant Program, Title: Seepage Slope Amphibians, 2007-2008, **\$7,680**, Co-PI with Trip Lamb

North Carolina Herpetological Society Grant, Title: Phylogenetic systematics of the plethodontid salamander genus *Desmognathus*: a comprehensive lineage survey based on fine-scale geographic sampling, 2007 **\$1,000**, PI

Theodore Roosevelt Memorial Grant, American Museum of Natural History, Title: Systematics, population status, and life history evolution of the plethodontid salamander genus *Desmognathus* in the coastal plain, 2005, **\$1,475**, PI

National Oceanic and Atmospheric Administration Grant, Title: Amphibian and Reptile Surveys in the Indiana Lake Michigan Coastal Zone, 2004-2005, **\$36,129**, Co-PI with Alan Resetar, Robert Brodman, Donna Resetar and Spencer Cortwright

Shirley Heinz Fund Grant, Title: Inventory of amphibians and reptiles of the Lerner Wetland with management recommendations, 1999-2000, **\$2342**, PI

Indiana University Northwest Undergraduate Research Grant, Title: Turtle species diversity before and after wetland drainage in Newton County, IN, 1997, **\$900**, PI

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Chicago Herpetological Society Research Grant, Title: Turtle species diversity before and after wetland drainage in Newton County, IN, 1997, **\$100**,

Lake County Government Parks and Recreation Department Grant, Title: Inventory of amphibians and reptiles of the Oak Ridge Prairie with management recommendations, 1996, **\$2,900**, Co-PI with Spencer Cortwright

United States Department of Interior Grant, Title: Ecological assessment of amphibian and reptile populations in the Grand Calumet River drainage basin, 1996, **\$2,400**, Co-PI with Kenneth Mierzwa and Spencer Cortwright

Indiana University Northwest Undergraduate Research Grant, Title: Turtle species diversity in relation to wetland diversity, 1996, **\$500**, PI

Chicago Herpetological Society Research Grant, Title: Turtle species diversity in relation to wetland diversity, 1996, **\$500**, PI

Peer Reviewed Publications

Stuart, B.L. **D.A. Beamer**, H.L. Farrington, J.C. Beane, D.L. Chek, L.T. Pusser, H.E. Som, D.L. Stephan, D.M. Sever, and A.L. Braswell. *In review*. A New Two-lined Salamander (*Eurycea bislineata* Complex) from the Sandhills of North Carolina. *Herpetologica*.

Pyron, R.A. and **D.A. Beamer**. *In review*. The herpetological legacy of Jacob Green and the nomenclature of eastern US salamanders. *Zootaxa*.

Means, D.B., C.H. Holzheuser and **D.A. Beamer**. 2020. Geographic Distribution: EURYCEA SPHAGNICOLA (Bog Dwarf Salamander). *Herpetological Review*, 51:1 p.68.

Pyron, R.A., K.A. O'Connell, E.M. Lemmon, A.R. Lemmon and **D.A. Beamer**. 2020. Phylogenomic data reveal reticulation and incongruence among mitochondrial candidate species in Dusky Salamanders (*Desmognathus*). *Molecular Phylogenetics and Evolution*. 146:.

Beamer, D.A. and T. Lamb. 2020. Towards rectifying limitations on species delineation in dusky salamanders (*Desmognathus*: Plethodontidae): An ecoregion-drainage sampling grid reveals additional cryptic clades. *Zootaxa* 4734(1):1-61.

Grundel, R., **D.A. Beamer**, G.A. Glowacki, K.J. Frohnapple and N.P. Pavlovic. 2014. Opposing responses to ecological gradients structure amphibian and reptile communities across a temperate grassland–savanna–forest landscape. *Biodiversity and Conservation* 24(5):1089-1108.

Graham, S.P., **D.A. Beamer** and T. Lamb. 2012. Good news at last: conservation status of the seepage salamander (*Desmognathus aeneus*). *Herpetological Conservation and Biology* 7(3):339–348.

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Lamb, T. and **D.A. Beamer***. 2012. Digits Lost or Gained? Evidence for Pedal Evolution in the Dwarf Salamander Complex (*Eurycea*, Plethodontidae). PLoS ONE. 7:5.

*** authors contributed equally to this work**

Beamer, D.A. and T. Lamb. 2008. Dusky salamanders (*Desmognathus*, Plethodontidae) from the Coastal Plain: Multiple independent lineages and their bearing on the molecular phylogeny of the genus. Molecular Phylogenetics and Evolution. 47: 143-153.

Bond, J.E. **D.A. Beamer**, T. Lamb and M.C. Hedin. 2006. Combining genetic and geospatial analyses to infer population extinction in mygalomorph spiders endemic to the Los Angeles region. Animal Conservation. 9: 145-157.

Bond, J.E. and **D.A. Beamer**. 2006. A morphometric analysis of Mygalomorph spider carapace shape and its efficacy as a phylogenetic character (Aranae). Invertebrate Systematics. 20: 1-7.

Stockman, A.K., **D.A. Beamer** and J.E. Bond. 2006. An evaluation of a GARP model as an approach to predicting the distribution of a non-vagile invertebrate species. Diversity and Distributions. 12: 81-89.

Beamer, D.A. and M.J. Lannoo. 2005. Blue Ridge Gray-cheeked Salamander (*Plethodon amplus*). Pp. 789-790. In Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Tellico Salamander (*Plethodon aureolus*). Pp. 791-792. In Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Chattahoochee Slimy Salamander (*Plethodon chattahoochee*). Pp. 793-794. In Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Cheoah Bald Salamander (*Plethodon cheoah*). Pp. 794-795. In Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Atlantic Coast Slimy Salamander (*Plethodon chlorobryonis*). Pp. 795-796. In Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. White-spotted Slimy Salamander (*Plethodon cylindraceus*). Pp. 800-802. In Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

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Beamer, D.A. and M.J. Lannoo. 2005. Northern Ravine Salamander (*Plethodon electromorphus*). Pp. 805-806. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Northern Slimy Salamander (*Plethodon glutinosus*). Pp. 808-811. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Southeastern Slimy Salamander (*Plethodon grobmani*). Pp. 811-812. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Valley and Ridge Salamander (*Plethodon hoffmani*). Pp. 812-814. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Jordan's Salamander (*Plethodon jordani*). Pp. 816-818. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. South Mountain Gray-cheeked Salamander (*Plethodon meridianus*). Pp. 822-823. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Southern Gray-cheeked Salamander (*Plethodon metcalfi*). Pp. 823-825. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Mississippi Slimy Salamander (*Plethodon mississippi*). Pp. 825-826. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Northern Gray-cheeked Salamander (*Plethodon montanus*). Pp. 826-828. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Ocmulgee Slimy Salamander (*Plethodon ocmulgee*). Pp. 831. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Savannah Slimy Salamander (*Plethodon savannah*). Pp. 837-838. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

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Beamer, D.A. and M.J. Lannoo. 2005. Southern Red-backed Salamander (*Plethodon serratus*). Pp. 838-840. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Red-legged Salamander (*Plethodon shermani*). Pp. 841-842. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Southern Appalachian Salamander (*Plethodon teyahalee*). Pp. 844-846. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Van Dyke's Salamander (*Plethodon vandykei*). Pp. 846-847. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. South Carolina Slimy Salamander (*Plethodon variolatus*). Pp. 847-848. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Southern Zigzag Salamander (*Plethodon ventralis*). Pp. 849-850. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Shenandoah Mountain Salamander (*Plethodon virginia*). Pp. 850-852. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Webster's Salamander (*Plethodon websteri*). Pp. 852-853. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Weller's Salamander (*Plethodon welleri*). Pp. 854-856. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Beamer, D.A. and M.J. Lannoo. 2005. Yonahlossee Salamander (*Plethodon yonahlossee*). Pp. 856-858. *In* Lannoo, M.J. (Ed.), Amphibian Declines: The Conservation Status of United States Species. University of California Press, Berkeley, California.

Bond, J.E., **D.A. Beamer**, M.C. Hedin and P. Sierwald. 2003. Gradual evolution in a sibling species complex of millipedes (Diplopoda: Spirobolida: Rhinocricidae: *Anadenobolus*). Invertebrate Systematics. 17: 711-717.

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Mierzwa, K. S., S. A. Cortwright, and **D.A. Beamer**. 2002. Amphibians and reptiles of the Grand Calumet River Basin. Proceedings of the Indiana Academy of Science. 108/109: 105-121.

Beamer, D.A.1996. Black Rail Field Notes. National Audubon Society Field Notes Winter 1996. Vol. 50 No. 5.

LaDuc, T., D. I. Lannutti, M. K. Ross, and **D.A. Beamer**. 1996. Natural History Notes: Diet of *Lampropeltis* and *Tantilla*. Herpetological Review, 27:1 p.25.

Teaching Experience

Nash Community College, 2010-present

- Introduction to Biology I & II (with Lab)
- Introduction to Biotechnology (with Lab)
- Genetics (with Lab)
- Field Biology
- Regional Natural History
- Microbiology (with Lab)

East Carolina University, Visiting Faculty Instructor of Biology, 2010-2011

- Survey of Human Physiology and Anatomy and Biology and Survey of Human Physiology and Anatomy Lab

East Carolina University, Teaching Assistant for Introduction to Biology I Lab (majors)/ Introduction to Biology Lab (non-majors), Fall 2006-Spring 2009

East Carolina University, Teaching Assistant for Introduction to Biology II Lab (majors), Fall 2001-Spring 2002

Mentoring Experience

Undergraduate Mentor, Nash Community College, 2010-present

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- Samantha Gaskins and Brittany Shearin - Temporal aspects of head shape evolution in an introduced population of salamanders
- Jessica Trueblood - Genomic assessment of diversity in Red, Mud and Spring Salamanders
- Haley Honeycutt - Morphological variation in tail shape of stream-edge dusky salamanders species
- Henri Vega-Bernal - Biogeographic variation in seepage salamanders
- Tyler Scott - Testing species limits in Three-lined and Longtail Salamanders
- Natalie Bernat - Developing an eDNA protocol to distinguish two closely related species of waterdogs in turbid coastal waters
- Trina Phan - Using Maximum Likelihood Networks to infer reticulation events between lineages in the Northern Dusky Salamander species complex
- Alan Babineau - Phylogeographic survey of Gray Cheeked Salamanders in the area surrounding the South Mountains and Evaluating seasonal variation in the use of eDNA to detect the presence of Neuse River waterdogs
- Adriana Cabera-Zurita and Marilu Salazar - Using genomic data to detect cryptic diversity in Northern Dusky Salamanders
- Inderson Mirchandani - Mimicry In Two Genera Of Salamander
- Zachary Privette - Phylogeography of the Three-Lined Salamander
- Kabryn Mattison - Testing for sexual incompatibility between dusky salamander species characterized by an ancient hybridization event
- Clayton Lynch - Phylogeography of the Red, Mud, and Spring Salamanders
- Ismael Gomez - Phylogeography of the Seepage Salamander
- Chelsea Crocker - Development of nuclear markers to examine speciation in salamanders
- Nathaniel Akers, Bobbie Legg and Thomas Bridgers - The phylogenetic position of Two-lined Salamander populations along North Carolina and Virginia borders
- Jessica Avila - Morphological homoplasy in mountain dusky salamanders
- LaShonda Caine - Phylogeographic profile of the salamander genus, *Pseudotriton*

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Undergraduate Mentor, East Carolina University, 2008-2009

- Dorothy Lloyd and Courtney Morgan - Phylogeography of dwarf salamanders

Supervised undergraduate grants

2018 Yarborough Grant - \$500. Tyler Scott – Specific status of *Eurycea guttolineata* and *Eurycea longicauda* based on mtDNA sequence data.

2015 George Barthalmus Undergraduate Research Grant - \$355. Ismael Gomez - A Comparison of Mitochondrial and Nuclear Gene Trees of the Seepage Salamander (*Desmognathus aeneus*).

2014 George Barthalmus Undergraduate Research Grant - \$178. Kabryn Mattison - Past, Present, Future: Hybridization Between Two Dusky Salamander Lineages.

2013 Yarborough Grant - \$300. Jessica Avila – Morphological Homoplasy Within Mountain Dusky Salamanders.

2013 George Barthalmus Undergraduate Research Grant - \$165. Jessica Avila - Morphological Homoplasy Within Mountain Dusky Salamanders.

2012 George Barthalmus Undergraduate Research Grant - \$932. LaShonda Caine - A Phylogeographic Profile Of Red And Mud Salamander.

2011 George Barthalmus Undergraduate Research Grant - \$375. Bobbie Legg – The Phylogenetic Position of the Two-lined Salamander Populations from a Contact Zone Along the North Carolina and Virginia Borders.

Professional development

Short Course: Phylogenetic comparative analysis of integrated anatomical trait. 2019 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists, Providence, RI, June 21-25, 2019.

ASN Workshop – Science Communication 101. 2019 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists, Providence, RI, June 21-25, 2019.

Reproducibility For Everyone Workshop. 2019 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists, Providence, RI, June 21-25, 2019.

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Fostering Research Experiences in Introductory Laboratory in Biology Workshop. 2017 Meeting of the National Associations of Biology Teachers. St. Louis, MO, November 9-12, 2017.

Professional Development for Undergraduate Educators: Scientific Thinking with Models and Data. 2017 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Portland, OR, June 22-28, 2017.

SSB Phylogenetics Symposium and SSB Software School. 2016 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Portland, OR, June 16-22, 2016.

Symposium of Phylogenomics. 2014 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Raleigh, NC, June 19, 2014.

Experiencing Evolution: A Professional Development Workshop for Undergraduate Educators. 2014 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Raleigh, NC, June 20, 2014.

Generation and Analysis of High-Throughput Sequencing Data for Phylogenetics and Phylogeography. NESCent, Durham, NC June 3-9, 2013.

NSF ATE Professional Development, Genomic Approaches in BioSciences Follow-up Workshop, Gwinnett Technical College, Lawrenceville, Georgia, April 14, 2012.

NSF ATE Professional Development, Genomic Approaches in Biosciences Workshop, Universidad del Turabo, Gurabo, Puerto Rico, August 8-12, 2011.

Divergence Time Estimation Workshop. Rutgers University, NJ. January 8, 2010.

Presentations/ Published Abstracts

Beamer, D.A. 2019. Evolutionary history and taxonomic status of Shovelnose Salamanders. 2019 Southeastern Ecology, Evolution, and Population Genetics Meeting, Clemson, SC, October 4-6, 2019.

Beamer, D.A. 2019. Developing a sustainable, common thread research experience through multiple 100-level and 200 level science majors biology courses at a two-year community college. 2019 Society for the Advancement of Biology Education Research Meeting, Minneapolis, MN, July 26-28, 2019.

Beamer, D.A., S. Gaskins and B. Shearin. 2019. Rapid morphological evolution in an introduced salamander species. 2019 Joint Meeting of the Society for the Study of

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Evolution, the Society of Systematic Biologists, and the American Society of Naturalists, Providence, RI, June 21-25, 2019.

- Beamer, D.A.** 2019. A Genomic Assessment Of Diversity Within Waterdogs (*Necturus*). 2019 North Carolina Giant Salamander Network Meeting, Black Mountain, NC, February 14, 2019.
- Beamer, D.A.** 2018. A Genomic Assessment Of Diversity Within Waterdogs (*Necturus*). The Joint Meeting Of Herpetologists And Ichthyologists. Rochester, NY, July 11-15, 2018.
- Babineau, A.M. and **D.A. Beamer**. 2018. Testing the Utility of eDNA Detection for Species in Highly Turbid Coastal Streams. The Joint Meeting Of Herpetologists And Ichthyologists. Rochester, NY, July 11-15, 2018.
- Beamer, D.A.** 2018. A Genomic Assessment Of Diversity Within Waterdogs (*Necturus*). The 79th Annual Association of Southeastern Biologists Meeting. Myrtle Beach, SC, March 28-31, 2018.
- Beamer, D.A. and R. Cobb.** 2017. Embedding Authentic Research into Introductory Biology Lab Courses. 2017 Meeting of the National Associations of Biology Teachers. St. Louis, MO, November 9-12, 2017.
- Beamer, D.A.** 2017. Giant Genomes and Low Genetic Diversity Across Independent River Drainages: What's Going on with Waterdogs (*Necturus*). 2017 Southeastern Ecology, Evolution, and Population Genetics Meeting, Laurel Hill, NC, October 20-22, 2017.
- Beamer, D.A.** 2017. Towards rectifying limitations on species delineation in dusky salamanders (*Desmognathus*: Plethodontidae): An ecoregion drainage sampling grid reveals additional cryptic lineages. The 78th Annual Association of Southeastern Biologists Meeting. Montgomery, AL, March 29 – April 1, 2017.
- Beamer, D.A.** 2017. Undergraduate Research In A Community College Setting. The 114th Annual Meeting of the North Carolina Academy of Science. High Point, NC, March 24-25, 2017.
- Beamer, D.A.** 2016. Ancient hybridization events between two species of Dusky Salamanders (*Desmognathus*). Special Highlands Conference On Plethodontid Salamander Biology. Highlands, NC, August 4-7, 2016.
- Beamer, D.A.** 2016. Ancient hybridization events between two species of Dusky Salamanders (*Desmognathus*). 2016 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Austin, TX, June 17-21, 2016.
- Beamer, D.A.** 2016. Enigmatic Populations of Northern Dusky Salamanders (*Desmognathus fuscus*) Characterized by Widespread Introgression of Carolina Mountain Dusky (*D. carolinensis*) Mitochondrial DNA. The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016.
- Humphries, J., J. Hall and **D.A. Beamer**. 2016 Neuse River Waterdog Update/Survey Results. North Carolina Giant Salamander Network Meeting. Swannanoa, NC, January 27, 2016.

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- Beamer, D.A.** 2015. Taxonomic Status of Shovel-nosed Salamanders: Convergence or Introgression? Southeastern Ecology, Evolution, and Population Genetics Meeting Eatonton, GA, October 23-25, 2015.
- Beamer, D.A.** 2015. Undergraduate Research In A Community College Setting. The 76th Annual Association of Southeastern Biologists Meeting. Chattanooga, TN, April 1-4, 2015.
- Beamer, D.A.** 2015. Taxonomic Status of the Black Shovel-nosed Salamander (*Desmognathus melanius*). The 112th Annual Meeting of the North Carolina Academy of Science. Winston-Salem, NC, March 27-28, 2015.
- Beamer, D.A.** 2015. A Comprehensive, Range-wide Molecular Phylogenetic Survey of the Dusky Salamanders (*Desmognathus*). The 12th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 13-15, 2015.
- Beamer, D.A.** and S.P. Graham. 2014. Diversification of seepage salamanders across a complex geologic landscape. 2015 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Raleigh, NC, June 20-24, 2014.
- Beamer, D.A.**, J.A. Avila and K.L. Bloniarczyk. 2014. Contribution to taxonomic status of Peruvian salamanders. 6th Conference on the Biology of Plethodontid Salamanders. Tulsa, OK, May 18-20, 2014.
- Beamer, D.A.** 2013. 8000 Salamanders And How I Found Them: A Robust Sampling Strategy For The Southeastern United States. The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014.
- Beamer, D.A.** 2013. How many species of *Desmognathus* occur in the coastal plain of the southeastern United States? The 110th Annual Meeting of the North Carolina Academy of Science. Pembroke, NC, April 5-6, 2013.
- Beamer, D.A.** 2013. The role of head shape evolution in an adaptive radiation of salamanders. Annual Meeting of Southeastern Partners in Amphibian and Reptile Conservation. Hickory Knob State Park, SC, February 21-24, 2013.
- Beamer, D.A.** and T. Lamb. 2012. A comprehensive, range-wide molecular phylogenetic survey of the dusky salamanders (*Desmognathus*). 2012 World Congress of Herpetology. Vancouver, Canada, August 8-14, 2012.
- Beamer, D.A.** and T. Lamb. 2012. The role of head shape evolution in an adaptive radiation of salamanders. 2012 World Congress of Herpetology. Vancouver, Canada, August 8-14, 2012.
- Beamer, D.A.** and T. Lamb. 2012. River drainages, ecoregions and twisted tales of *Desmognathus* systematics. The 73rd Annual Association of Southeastern Biologists Meeting. Athens, GA, April 4-7, 2012.
- Beamer, D.A.** 2012. The role of head shape evolution in an adaptive radiation of salamanders. The 109th Annual Meeting of the North Carolina Academy of Science. Buies Creek, NC, March 23-25, 2012.

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- Beamer, D.A.** 2012. The role of head shape evolution in an adaptive radiation of salamanders. The 9th Annual Southeastern Ecology and Evolution Conference. Clemson, SC, March 2-4, 2012.
- Beamer, D.A.** 2011. The role of head shape evolution in an adaptive radiation of salamanders. The 37th Annual Southeastern Population Ecology & Evolutionary Genetics Meeting. Reidsville, NC, October 21-23, 2011.
- Beamer, D.A.** 2011. A phylogeographic profile of the three-lined salamander, *Eurycea guttolineata*. The 108th Annual Meeting of the North Carolina Academy of Science. Elon, NC, March 25-26, 2011.
- Beamer, D.A.** 2010. 5000 salamanders and how I found them. The 6th Annual Southeastern Ecology and Evolution Conference. Atlanta, GA, March 26-28, 2010.
- Beamer, D.A.** and T. Lamb. 2009. A comprehensive, range-wide molecular phylogenetic survey of the dusky salamanders (*Desmognathus*). 2009 Joint Meetings of Ichthyologists and Herpetologists. Portland, OR, July 22-27, 2009.
- Beamer, D.A.** and T. Lamb. 2009. Digits lost or regained? A molecular phylogenetic perspective on dwarf salamanders and the genus *Eurycea*. 2009 Joint Meetings of Ichthyologists and Herpetologists. Portland, OR, July 22-27, 2009.
- Beamer, D.A.** and T. Lamb. 2008. A phylogenetic survey of the *Desmognathus fuscus* complex in the southeastern US. The 69th Annual Association of Southeastern Biologists Meeting. Spartanburg, SC, April 16-19, 2008.
- Beamer, D.A.** 2008. A new method for calculating isolation by distance and inferring gene flow: An example using woodland salamanders. The 5th Annual Southeastern Ecology and Evolution Conference. Tallahassee, FL, March 28-30, 2008.
- Beamer, D.A.** and T. Lamb. 2007. River drainages, ecoregions and twisted tales of *Desmognathus* systematics. The 5th Conference on the Biology of Plethodontid Salamanders. San Cristobal de las Casas, Chiapas, Mexico, August 3-6, 2007.
- Beamer, D.A.** and T. Lamb. 2007. Parallelism in dwarf salamanders (Genus *Eurycea*)? The 68th Annual Association of Southeastern Biologists Meeting. Columbia, SC, April 17-20, 2007.
- Beamer, D.A.** 2007. A new method for calculating isolation by distance and inferring gene flow: An example using woodland salamanders? 104th Annual Meeting of the North Carolina Academy of Science. Greenville, NC, March 30- April1, 2007.
- Beamer, D.A.** and T. Lamb. 2007. Are there any southern dusky salamanders in North Carolina? 104th Annual Meeting of the North Carolina Academy of Science. Greenville, NC, March 30- April1, 2007.
- Beamer, D.A.** 2006. A re-evaluation of competition in terrestrial salamanders of the genus *Plethodon*. 2006 Joint Meetings of Ichthyologists and Herpetologists. New Orleans, LA, July 12-17, 2006.

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- Beamer, D.A.** and T. Lamb. 2006. Population status of coastal plain *Desmognathus*. 2006 Joint Meetings of Ichthyologists and Herpetologists. New Orleans, LA, July 12-17, 2006.
- Davenport, J.M., **D.A. Beamer** and D. Chalcraft. 2006. Predicting the geographic distribution of *Ambystoma mabeei* using ecological niche models. 2006 Joint Meetings of Ichthyologists and Herpetologists. New Orleans, LA, July 12-17, 2006.
- Beamer, D.A.** and T. Lamb. 2006. Parallelism in dwarf salamanders (Genus *Eurycea*)? 2006 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. June 23 – 27, 2006.
- Beamer, D.A.** 2005. A re-evaluation of competition in terrestrial salamanders of the genus *Plethodon*. 2005 Southeastern Ecology, Evolution, and Population Genetics Meeting, Hendersonville, NC, September 23-25, 2005.
- Beamer, D.A.** and T. Lamb, 2005. Highs and lows in salamander evolution: phylogenetics of coastal plain dusky salamanders. 2005 Joint Meetings of Ichthyologists and Herpetologists. Tampa Bay, FL, July 6-11, 2005.
- Beamer, D.A.** and J.E. Bond, 2005. A morphometric analysis of mygalomorph carapace shape and its efficacy as a phylogenetic character. 2005 American Arachnological Society Annual Meeting. Akron, OH, June 27-30, 2005.
- Bond, J.E., **D.A. Beamer** and M.C. Hedin. 2005. Combining genetic and geospatial analyses to infer population extinction in mygalomorph spiders endemic to the Los Angeles region. 2005 American Arachnological Society Annual Meeting. Akron, OH, June 27-30, 2005.
- Stockman, A.K., **D.A. Beamer** and J.E. Bond. 2005. The *Promyrmekiaphila* world according to GARP. 2005 American Arachnological Society Annual Meeting. Akron, OH, June 27-30, 2005.
- Beamer, D.A.** and J.E. Bond. 2004. Predicting the occurrence of *Apomastus* species across the Los Angeles basin using geospatial analyses. 2004 American Arachnological Society Annual Meeting. Norman, OK, June 23-27, 2004.
- Bond, J.E. and **D.A. Beamer**. 2004. The Californian euctenizine genus *Apomastus*: species “paraphyly”, biogeography, and conservation. 2004 American Arachnological Society Annual Meeting. Norman, OK, June 23-27, 2004.
- Beamer, D.A.** 2004. Phylogenetic systematics of coastal plain *Desmognathus*. 2004 Joint Meetings of Ichthyologists and Herpetologists. Norman, OK, May 26-31, 2004.
- Beamer, D.A.** 2004. A novel technique for sampling amphibian and reptile populations – portable drift fences. 101st Annual Meeting of the North Carolina Academy of Science. Salisbury, NC, March 26-28, 2004.
- Beamer, D.A.** 2004. Population status of *Desmognathus* in the coastal plain. Southeastern Ecology and Evolution Conference. Atlanta, GA, March 5-7, 2004.
- Beamer, D.A.** and R. Grundel. 2003. Can cricket frogs live where they used to? Cricket Frog Decline Symposia. Porter, IN, September 15-16, 2003.

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- Grundel, R., N. B. Pavlovic, E. Garza, **D.A. Beamer** and G. A. Glowacki. 2002. Effects of habitat structure and fire history on the herpetofauna of oak woodlands. 87th Annual Meeting of the Ecological Society of America and the 14th Annual International Conference of the Society for Ecological Restoration. Tucson, AZ, August 4-9, 2002.
- Glowacki, G., **D.A. Beamer**, N. Pavlovic and R. Grundel. 2001. Herpetofaunal responses to habitat structure along a gradient of degraded oak savanna sites in northwest Indiana. 117th Annual Meeting of the Indiana Academy of Science. Fort Wayne, IN, November 9, 2001.
- Beamer, D.A.** and R. Grundel. 2001. The role of fire in structuring amphibian and reptile communities in northwest Indiana. 2001 Joint Annual Meeting of the Society for the Study of Amphibians and Reptiles and The Herpetologists' League. Indianapolis, IN, July 28-31 2001.
- Beamer, D.A.**, G. Glowacki, N. Pavlovic and R. Grundel. 2000. The role of fire history in structuring amphibian and reptile communities in northwest Indiana. 116th Annual Meeting of the Indiana Academy of Science. Richmond, IN, November 3, 2000. p.44.
- Glowacki, G., **D.A. Beamer**, N. Pavlovic and R. Grundel. 2000. The influence of habitat structure on herpetofaunal communities in northwest Indiana. 116th Annual Meeting of the Indiana Academy of Science. Richmond, IN, November 3, 2000. p.45.
- Grundel, R., and **D.A. Beamer**. 1999. Amphibian and reptile use of oak woodlands and savannas. 61st Midwest Fish and Wildlife Conference. Chicago, IL, December 5-8 1999. p. 285.
- Beamer, D.A.** 1997. Isolated remnant habitats and species diversity of amphibian and reptiles. Indiana University Undergraduate Research Conference, Indianapolis, IN, October 24, 1997.
- Beamer, D.A.** 1997. Turtle species diversity before and after wetland drainage in Newton County, IN. 9th Undergraduate Research Conference, Butler University, Indianapolis, IN, April 11, 1997. p. 10.
- Beamer, D.A.** 1996. Turtle species diversity in relation to wetland diversity. Indiana University Undergraduate Research Conference, Indianapolis, IN, October 18, 1996.

Supervised Undergraduate Presentations

- Davis, K., P. Morales and **D.A. Beamer**. 2019. Identifying Cryptic Lineages within the Northern Dusky Salamander Species Complex Using mtDNA. 2019 Southeastern Ecology, Evolution, and Population Genetics Meeting, Clemson, SC, October 4-6, 2019.
- Vega-Bernal, H. and **D.A. Beamer**. 2019. Insights into the evolutionary history of the Seepage Salamander (*Desmognathus aeneus*): Comparing genomic and mitochondrial data sets. 2019 Southeastern Ecology, Evolution, and Population Genetics Meeting, Clemson, SC, October 4-6, 2019.

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- Minchew, G. and **D.A. Beamer**. 2019. Phylogeography of the three-lined salamander (*Eurycea guttolineata*). 2019 Southeastern Ecology, Evolution, and Population Genetics Meeting, Clemson, SC, October 4-6, 2019.
- Wiggins, A., S. Gaskins, T. Smith and **D.A. Beamer**. 2019. Examining the contact zone between northern and southern two-lined salamanders (*Eurycea*): Has hybridization occurred? The 80th Annual Association of Southeastern Biologists Meeting. Memphis, TN, April 3-6, 2019.
- Trueblood, J. H. Honeycutt and **D.A. Beamer**. 2019. Phylogenomic Examination Of A Contact Zone Between Three Dusky Salamander Lineages In South Carolina. The 80th Annual Association of Southeastern Biologists Meeting. Memphis, TN, April 3-6, 2019.
- Davis, K., N. Tyson, J. Davis and **D.A. Beamer**. 2019. Identifying Cryptic Lineages within the Northern Dusky Salamander Species Complex Using mtDNA. The 80th Annual Association of Southeastern Biologists Meeting. Memphis, TN, April 3-6, 2019 .
- Vega-Bernal, H. and **D.A. Beamer**. 2019. Phylogeographic Analysis Of Seepage Salamanders(*Desmognathus aeneus*). The 80th Annual Association of Southeastern Biologists Meeting. Memphis, TN, April 3-6, 2019.
- Gaskins, S, B. Shearin and **D.A. Beamer**. 2019. Is 80 Years Enough Time To Display Character Displacement Insalamanders?: A Case Study. The 116th Annual Meeting of the North Carolina Academy of Science. Wilmington, NC, March 22-23, 2019. **2nd place Derieux Award - Poster Presentation**
- Trueblood, J. H. Honeycutt and **D.A. Beamer**. 2019. Phylogenomic Examination Of A Contact Zone Between Three Dusky Salamander Lineages In South Carolina. The 116th Annual Meeting of the North Carolina Academy of Science. Wilmington, NC, March 22-23, 2019.
- Davis, J., N. Tyson, K. Davis and **D.A. Beamer**. 2019. Identifying Cryptic Lineages within the Northern Dusky Salamander Species Complex Using mtDNA. The 116th Annual Meeting of the North Carolina Academy of Science. Wilmington, NC, March 22-23, 2019.
- Vega-Bernal, H. and **D.A. Beamer**. 2019. Phylogeographic Analysis Of Seepage Salamanders(*Desmognathus aeneus*). The 116th Annual Meeting of the North Carolina Academy of Science. Wilmington, NC, March 22-23, 2019.
- Babineau, A. and **D.A. Beamer**. 2019. *Plethodon meridianus*: Looking Outside The Park. 2019 Southeastern Partners in Amphibian and Reptile Conservation Meeting, Black Mountain, NC, February 14-17, 2019.
- Vega-Bernal, H. and **D.A. Beamer**. 2019. Phylogeographic Analysis Of Seepage Salamanders(*Desmognathus aeneus*). 2019 Southeastern Partners in Amphibian and Reptile Conservation Meeting, Black Mountain, NC, February 14-17, 2019.
- Honeycutt, H., J. Trueblood and **D.A. Beamer**. 2019. Phylogenomic Examination Of A Contact Zone Between Three Dusky Salamander Lineages In South Carolina. 2019 Southeastern Partners in Amphibian and Reptile Conservation Meeting, Black Mountain, NC, February 14-17, 2019.

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- Shearin, B., S. Gaskins and **D.A. Beamer**. 2019. Is 80 Years Enough Time To Display Character Displacement In Salamanders?: A Case Study. 2019 Southeastern Partners in Amphibian and Reptile Conservation Meeting, Black Mountain, NC, February 14-17, 2019.
- Vega-Bernal, H., T.S. Smith and **D.A. Beamer**. 2018. Integrating Genomic, Mitochondrial, and Morphological Datasets to Examine Species Boundaries in Seepage Salamanders (*Desmognathus aeneus*). 2018 Southeastern Ecology, Evolution, and Population Genetics Meeting, Mountain Lake, VA, October 5-7, 2018.
- Trueblood, J.M., H. Honeycutt and **D.A. Beamer**. 2018. Mitochondrial and Genomic Data Set Resolve Congruent Topologies in *Pseudotriton* and *Gyrinophilus*. 2018 Southeastern Ecology, Evolution, and Population Genetics Meeting, Mountain Lake, VA, October 5-7, 2018.
- Babineau, A.M. and **D.A. Beamer**. 2018. *Plethodon meridianus*: Looking Outside the Park. 2018 Southeastern Ecology, Evolution, and Population Genetics Meeting, Mountain Lake, VA, October 5-7, 2018.
- Phan, T.P. and **D.A. Beamer**. 2018. Using Maximum Likelihood Networks to Infer Reticulation Events Between Lineages in the Northern Dusky Salamander Species Complex. The 79th Annual Association of Southeastern Biologists Meeting. Myrtle Beach, SC, March 28-31, 2018.
- Vega-Bernal, H. and **D.A. Beamer**. 2018. Testing for Introgression and Speciation in Seepage Salamanders (*Desmognathus aeneus*). The 79th Annual Association of Southeastern Biologists Meeting. Myrtle Beach, SC, March 28-31, 2018.
- Lynch, C.L., J.M. Trueblood and **D.A. Beamer**. 2018. Using Genomic Data to Test for Monophyly in *Pseudotriton* and *Gyrinophilus*: A Range Wide Survey. The 79th Annual Association of Southeastern Biologists Meeting. Myrtle Beach, SC, March 28-31, 2018.
- Scott, T., A.M. Babineau and **D.A. Beamer**. 2018. Taxonomic Perspective of *Eurycea guttolineata* and *Eurycea longicauda* Based on Mitochondrial DNA Sequence Data. The 79th Annual Association of Southeastern Biologists Meeting. Myrtle Beach, SC, March 28-31, 2018.
- Liu, M., T.P. Phan and **D.A. Beamer**. 2018. An Examination of the Contact Zone between Northern and Southern Two-Lined Salamanders (*Eurycea*). The 79th Annual Association of Southeastern Biologists Meeting. Myrtle Beach, SC, March 28-31, 2018.
- Phan, T.P. and **D.A. Beamer**. 2018. Using Maximum Likelihood Networks to Infer Reticulation Events Between Lineages in the Northern Dusky Salamander Species Complex. The 115th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 23-24, 2018. **2nd place Derieux Award - Oral Presentation**
- Scott, T. and **D.A. Beamer**. 2018. Taxonomic Perspective of *Eurycea guttolineata* and *Eurycea longicauda* Based on Mitochondrial DNA Sequence Data. The 115th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 23-24, 2018. **3rd place Derieux Award - Poster Presentation**

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- Trueblood, J.M. and **D.A. Beamer**. 2018. Using Genomic Data to Test for Monophyly in *Pseudotriton* and *Gyrinophilus*: A Range Wide Survey. The 115th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 23-24, 2018.
- Vega-Bernal, H. and **D.A. Beamer**. 2018. Determining Morphological Differentiation in Tiny Salamanders (*Desmognathus aeneus*): A Look Into Head Structure. The 115th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 23-24, 2018.
- Phan, T.P. and **D.A. Beamer**. 2017. Using Genomic Data to Test for Introgression Between Putative Species of Dusky Salamanders (*Desmognathus*). The 13th Annual State of North Carolina Undergraduate Research & Creative Symposium. Buies Creek, NC, November 4, 2017.
- Lewis, E.A. and **D.A. Beamer**. 2017. Developing an eDNA Protocol to Distinguish Two Closely Related Species of Waterdogs (*Necturus*) in Turbid Coastal Waters. The 13th Annual State of North Carolina Undergraduate Research & Creative Symposium. Buies Creek, NC, November 4, 2017.
- Vega-Bernal, H. and **D.A. Beamer**. 2017. Looking for Morphological Differentiation in Deeply Diverged Lineages of Tiny Salamanders (*Desmognathus aeneus*). The 13th Annual State of North Carolina Undergraduate Research & Creative Symposium. Buies Creek, NC, November 4, 2017.
- Phan, T.P. and **D.A. Beamer**. 2017. Using Genomic Data to Test for Introgression Between Putative Species of Dusky Salamanders (*Desmognathus*). 2017 Southeastern Ecology, Evolution, and Population Genetics Meeting, Laurel Hill, NC, October 20-22, 2017.
- Bernat, N. and **D.A. Beamer**. 2017. Developing an eDNA Protocol to Distinguish Two Closely Related Species of Waterdogs (*Necturus*) in Turbid Coastal Waters. 2017 Southeastern Ecology, Evolution, and Population Genetics Meeting, Laurel Hill, NC, October 20-22, 2017.
- Vega-Bernal, H. and **D.A. Beamer**. 2017. Looking for Morphological Differentiation in Deeply Diverged Lineages of Tiny Salamanders (*Desmognathus aeneus*). 2017 Southeastern Ecology, Evolution, and Population Genetics Meeting, Laurel Hill, NC, October 20-22, 2017.
- Babineau, A.M. and **D.A. Beamer**. 2017. Expanding the Known Range of the South Mountain Gray-Cheeked Salamander (*Plethodon meridianus*) using mtDNA sequencing. The 114th Annual Meeting of the North Carolina Academy of Science. High Point, NC, March 24-25, 2017.
- Lewis, E.A., H. Vega-Bernal and **D.A. Beamer**. 2017. Phylogeographic structure and speciation in Seepage salamanders (*Desmognathus aeneus*). The 114th Annual Meeting of the North Carolina Academy of Science. High Point, NC, March 24-25, 2017.
- Phan, T.P., A.M. Babineau and **D.A. Beamer**. 2017. Using mtDNA to Accurately Describe Diversity within the Northern Dusky Salamander Species Complex. The 114th Annual Meeting of the North Carolina Academy of Science. High Point, NC, March 24-25, 2017.
1st place Derieux Award - Poster Presentation

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- Babineau, A.M., T.P. Phan, and **D.A. Beamer** 2017. A New Species of "*Desmognathus*" identified within Northern Dusky species complex. The 78th Annual Association of Southeastern Biologists Meeting. Montgomery, AL, March 29 – April 1, 2017.
- Vega-Bernal, H. and **D.A. Beamer** 2017. Phylogeographic structure and speciation in a tiny vertebrate species: Seepage salamanders (*Desmognathus aeneus*). The 78th Annual Association of Southeastern Biologists Meeting. Montgomery, AL, March 29 – April 1, 2017.
- Gomez, I. and **D.A. Beamer**. 2016. Diversification of Seepage Salamanders (*Desmognathus aeneus*) as Revealed Through Mitochondrial and Nuclear Sequence Data. The 12th Annual State of North Carolina Undergraduate Research & Creative Symposium. Raleigh, NC, November 5, 2016.
- Cabrera Zurita, A., M. Salazar and **D.A. Beamer**. 2016. Cryptic diversity in Northern Dusky Salamanders. 2016 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Austin, TX, June 17-21, 2016.
- Cabrera Zurita, A., M. Salazar and **D.A. Beamer**. 2016. Cryptic Diversity in Northern Dusky Salamanders. The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016.
- Gomez, I., I.K. Mirchandani and **D.A. Beamer**. 2016. Diversification of Seepage Salamanders (*Desmognathus aeneus*) as Revealed Through Mitochondrial and Nuclear Sequence Data. The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016. **3rd place Derieux Award - Poster Presentation**
- Lynch, C.L., and **D.A. Beamer**. 2016. Phylogeography of the Red, Mud, and Spring Salamanders. The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016.
- Mirchandani, I.K., Z.W. Privette, I. Gomez and **D.A. Beamer**. 2016. Does the Northern Two-Lined Salamander (*Eurycea bislineata*) Occur in North Carolina? The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016.
- Smith, H., and **D.A. Beamer**. 2016. Dwarf Black Bellied Salamanders (*Desmognathus folkertsi*): Are They In North Carolina? The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016.
- Killoran, S.M., Z.W. Privette and **D.A. Beamer**. 2016. Phylogeography of the Three-Lined Salamander: Unexpected Levels of Genetic Homogeneity Across the Southeastern United States. The 113th Annual Meeting of the North Carolina Academy of Science. Fayetteville, NC, April 1-2, 2016. **2nd place Derieux Award - Poster Presentation**
- Lynch, C.L. and **D.A. Beamer**. 2016. Phylogeography of the Red, Mud, and Spring Salamanders. The 13th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 11-13, 2016.

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- Marshall, P.J., R. Rogers and **D.A. Beamer**. 2016. Distribution of Mitochondrial DNA Haplotypes Associated With An Ancient Hybridization Event. The 13th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 11-13, 2016.
- Mirchandani, I.K., I. Gomez, Z.W. Privette and **D.A. Beamer**. 2016. mtDNA Sequence Data Reveals the Presence of Northern Two-Lined Salamanders (*Eurycea bislineata*) in North Carolina. The 13th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 11-13, 2016.
- Salazar, M., A. Cabrera Zurita and **D.A. Beamer**. 2016. Cryptic Diversity in Northern Dusky Salamanders. The 13th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 11-13, 2016.
- Privette, Z.W., S.M. Killoran and **D.A. Beamer**. 2016. Phylogeography of the Three-Lined Salamander: Unexpected Levels of Genetic Homogeneity Across the Southeastern United States. The 13th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 11-13, 2016.
- Gomez, I. and **D.A. Beamer**. 2015. A Comparison of Mitochondrial and Nuclear Gene Trees of the Seepage Salamander (*Desmognathus aeneus*). The 11th Annual State of North Carolina Undergraduate Research & Creative Symposium. High Point, NC, November 14, 2015.
- Rios, J., A. King, J. Mobley, I.K. Mirchandani and **D.A. Beamer**. 2015. Mimicry In Two Genera Of Salamander. The 11th Annual State of North Carolina Undergraduate Research & Creative Symposium. High Point, NC, November 14, 2015.
- Gomez, I. and **D.A. Beamer**. 2015. A Comparison of Mitochondrial and Nuclear Gene Trees of the Seepage Salamander (*Desmognathus aeneus*). Southeastern Ecology, Evolution, and Population Genetics Meeting Eatonton, GA, October 23-25, 2015.
- Mattison, K. and **D.A. Beamer**. 2015. Past, Present, Future: Hybridization Between Two Dusky Salamander Lineages. The 76th Annual Association of Southeastern Biologists Meeting. Chattanooga, TN, April 1-4, 2015.
- Gomez, K.A., K. Mattison and **D.A. Beamer**. 2015. Phylogenetic Perspective of a Contact Zone Between *Desmognathus fuscus* and *Desmognathus carolinensis*. The 76th Annual Association of Southeastern Biologists Meeting. Chattanooga, TN, April 1-4, 2015.
- Gomez, I. and **D.A. Beamer**. 2015. Diversification of Seepage Salamanders (*Desmognathus aeneus*) Across a Complex Geological Landscape. The 76th Annual Association of Southeastern Biologists Meeting. Chattanooga, TN, April 1-4, 2015.
- Mattison, K. and **D.A. Beamer**. 2015. Past, Present, Future: Hybridization Between Two Dusky Salamander Lineages. The 112th Annual Meeting of the North Carolina Academy of Science. Winston-Salem, NC, March 27-28, 2015. **3rd place Derieux Award - Oral Presentation**
- Lynch, C.L., I. Gomez, C. Stamper and **D.A. Beamer**. 2015. Phylogeography Of The Neuse River Waterdog. The 112th Annual Meeting of the North Carolina Academy of Science. Winston-Salem, NC, March 27-28, 2015.

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- Mesko, J., I. Gomez and **D.A. Beamer**. 2015. Phylogeography Of Seepage Salamanders. The 112th Annual Meeting of the North Carolina Academy of Science. Winston-Salem, NC, March 27-28, 2015.
- Gomez, I., K. Mattison and **D.A. Beamer**. 2015. The Distribution of mtDNA Haplotypes Associated With An Ancient Hybridization Event. The 112th Annual Meeting of the North Carolina Academy of Science. Winston-Salem, NC, March 27-28, 2015. **2nd place Derieux Award - Poster Presentation**
- Mattison, K. and **D.A. Beamer**. 2015. The Distribution of mtDNA Haplotypes Associated With An Ancient Hybridization Event. The 12th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 13-15, 2015.
- Gomez, I. and **D.A. Beamer**. 2015. Phylogeography Of The Neuse River Waterdog. The 12th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 13-15, 2015.
- Avila, J.M. and **D.A. Beamer**. 2015. Snout-vent Length Variation in Mountain Dusky Lineages. The 12th Annual Southeastern Ecology and Evolution Conference. Athens, GA, March 13-15, 2015.
- Gomez, I., Z.W. Privette and **D.A. Beamer**. 2014. Phylogeography of the Seepage Salamander (*Desmognathus aeneus*). The 10th Annual State of North Carolina Undergraduate Research & Creative Symposium. Raleigh, NC, November 22, 2014.
- Mattison, C.K., and **D.A. Beamer**. 2014. Past, present, future: Hybridization between two dusky salamander lineages. The 10th Annual State of North Carolina Undergraduate Research & Creative Symposium. Raleigh, NC, November 22, 2014.
- Avila, J.M., and **D.A. Beamer**. 2014. Snout-vent length variation in mountain dusky lineages (*Desmognathus*). The 10th Annual State of North Carolina Undergraduate Research & Creative Symposium. Raleigh, NC, November 22, 2014.
- Avila, J.M., and **D.A. Beamer**. 2014. Morphological homoplasy within mountain dusky lineages (*Desmognathus*). 2014 Joint Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. Raleigh, NC, June 20-24, 2014.
- Privette, Z.W., C.L. Crocker, I. Gomez, S.P. Graham and **D.A. Beamer**. 2014. The Phylogeography of the Northern Seepage Salamander. The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014.
- Hernandez, J.C., S.L. Spencer, J.J. Joyner, S.P. Graham and **D.A. Beamer**. 2014. The Phylogeography of the Southern Seepage Salamander. The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014.
- Akers, N.T. and **D.A. Beamer**. 2014. Does the Northern Two-lined Salamander (*Eurycea bislineata*) occur in North Carolina? The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014. **2nd place Derieux Award - Poster Presentation**

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- Crocker, C.L., Z.W. Privette, I. Gomez, S.P. Graham and **D.A. Beamer**. 2014. Independent Nuclear Markers Reveal Cryptic Diversity within Seepage Salamanders (*Desmognathus aeneus*). The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014. **3rd place Derieux Award - Poster Presentation**
- Avila, J.M., B.L. Bottoms and **D.A. Beamer**. 2014. Morphological homoplasy within mountain dusky lineages (*Desmognathus*). The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014.
- Caine, L.M. and **D.A. Beamer**. 2014. Extreme genetic homogeneity: Phylogeography of the red and mud salamanders. The 111th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 28-29, 2014. **3rd place Derieux Award - Oral Presentation**
- Avila, J.M., and **D.A. Beamer**. 2014. Morphological homoplasy within mountain dusky lineages (*Desmognathus*). NCPARC 2014 Annual Meeting. Newland, NC, March 26-27, 2014.
- Caine, L.M., and **D.A. Beamer**. 2014. A phylogeographic profile of the salamander genus, *Pseudotriton*. NCPARC 2014 Annual Meeting. Newland, NC, March 26-27, 2014.
- Akers, N.T., and **D.A. Beamer**. 2014. Does the Northern Two-Lined Salamander (*Eurycea bislineata*) occur in North Carolina?. NCPARC 2014 Annual Meeting. Newland, NC, March 26-27, 2014.
- Caine, L.M., and **D.A. Beamer**. 2013. The impact of the Apalachicola River as a phylogeographic barrier in *Pseudotriton ruber*. The 9th Annual State of North Carolina Undergraduate Research & Creative Symposium. Charlotte, NC, November 16, 2013.
- Avila, J.M., K.L. Bloniarczyk and **D.A. Beamer**. 2013. Contribution to Taxonomic Status of Peruvian salamanders. Annual Meeting of Southeastern Partners in Amphibian and Reptile Conservation. Hickory Knob State Park, SC, February 21-24, 2013.
- Bottoms, B.L., J.M. Avila, and **D.A. Beamer**. 2013. Morphological Homoplasy Within Mountain Dusky Salamanders (*Desmognathus*). Annual Meeting of Southeastern Partners in Amphibian and Reptile Conservation. Hickory Knob State Park, SC, February 21-24, 2013.
- Caine, L.M., J.M. Avila, **D.A. Beamer** and S.P. Graham. 2013. Diversification Of Seepage Salamanders Across A Complex Geologic Landscape. Annual Meeting of Southeastern Partners in Amphibian and Reptile Conservation. Hickory Knob State Park, SC, February 21-24, 2013.
- Avila, J.M., L.M. Caine, **D.A. Beamer** and S.P. Graham. 2013. Diversification Of Seepage Salamanders Across A Complex Geologic Landscape. The 74th Annual Association of Southeastern Biologists Meeting. Charleston, WV, April 10-13, 2013.
- Caine, L.M., C.M. Stewart and **D.A. Beamer**. 2013. The impact of the Apalachicola River as a phylogeographic barrier in *Pseudotriton ruber*. The 74th Annual Association of Southeastern Biologists Meeting. Charleston, WV, April 10-13, 2013.

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Curriculum Vitae

- Bottoms, B.L., J.M. Avila, and **D.A. Beamer**. 2013. Morphological homoplasy within mountain dusky salamanders (*Desmognathus*). The 74th Annual Association of Southeastern Biologists Meeting. Charleston, WV, April 10-13, 2013.
- Akers, N.T., T.W. Cannon, T.L. Walker and **D.A. Beamer**. 2013. A genetically distinct population of three-lined salamanders, *Eurycea guttolineata*, in the Florida Parishes of Louisiana. The 74th Annual Association of Southeastern Biologists Meeting. Charleston, WV, April 10-13, 2013.
- Avila, J.M., B.L. Bottoms and **D.A. Beamer**. 2013. Morphological variation within mountain dusky lineages (*Desmognathus*). The 110th Annual Meeting of the North Carolina Academy of Science. Pembroke, NC, April 5-6, 2013. **3rd place Derieux Award - Poster Presentation**
- Caine, L.M., J.M. Avila, **D.A. Beamer** and S.P. Graham. 2013. Diversification of seepage salamanders across a complex geologic landscape. The 110th Annual Meeting of the North Carolina Academy of Science. Pembroke, NC, April 5-6, 2013. **2nd place Derieux Award - Poster Presentation**
- Stewart, C., L.M. Caine and **D.A. Beamer**. 2012. A phylogeographic profile of the salamander genus, *Pseudotriton*. The 110th Annual Meeting of the North Carolina Academy of Science. Pembroke, NC, April 5-6, 2013. **2nd place Derieux Award - Poster Presentation**
- Cannon, T.W., N.T. Akers, T. Walker and **D.A. Beamer**. 2012. A genetically distinct population of three-lined salamanders, *Eurycea guttolineata*, in the Florida Parishes of Louisiana. The 110th Annual Meeting of the North Carolina Academy of Science. Pembroke, NC, April 5-6, 2013.
- Legg, B.J., A. Godwin and **D.A. Beamer**. 2012. The phylogenetic position of two-lined salamander populations along North Carolina and Virginia borders. The 8th Annual State of North Carolina Undergraduate Research & Creative Symposium. Durham, NC, November 17, 2012.
- Caine, L.M., C. Stewart and **D.A. Beamer**. 2012. A phylogeographic profile of the salamander genus, *Pseudotriton*. The 8th Annual State of North Carolina Undergraduate Research & Creative Symposium. Durham, NC, November 17, 2012.
- Avila, J.M., B. Bottoms and **D.A. Beamer**. 2012. Morphological homoplasy within mountain dusky salamanders (*Desmognathus*). The 8th Annual State of North Carolina Undergraduate Research & Creative Symposium. Durham, NC, November 17, 2012.
- Tant, J.H., L.L. Cross and **D.A. Beamer**. 2012. A phylogeographic profile of the three-lined salamander, *Eurycea guttolineata*. The 73rd Annual Association of Southeastern Biologists Meeting. Athens, GA, April 4-7, 2012.
- Tinajero, G., B.J. Legg, T. Bridgers and **D.A. Beamer**. 2012. The phylogenetic relationships of two-lined salamander populations along the North Carolina and Virginia borders. The 73rd Annual Association of Southeastern Biologists Meeting. Athens, GA, April 4-7, 2012.

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- Legg, B.J., L.M. Caine, S.P. Graham and **D.A. Beamer**. 2012. The phylogeography of the seepage salamander (*Desmognathus aeneus*). The 73rd Annual Association of Southeastern Biologists Meeting. Athens, GA, April 4-7, 2012.
- Caine, L.M., E.A. Lewis and **D.A. Beamer**. 2012. A phylogeographic profile of the salamander genus, *Pseudotriton*. The 73rd Annual Association of Southeastern Biologists Meeting. Athens, GA, April 4-7, 2012.
- Caine, L., B.J. Legg, S.P. Graham and **D.A. Beamer**. 2012. A phylogeographic profile of the seepage salamander, (*Desmognathus aeneus*). The 109th Annual Meeting of the North Carolina Academy of Science. Buies Creek, NC, March 23-25, 2012. **3rd place Derieux Award - Poster Presentation**
- Cross, L.L., J.A. Tant and **D.A. Beamer**. 2012. A phylogeographic profile of the three-lined salamander, *Eurycea guttolineata*. The 109th Annual Meeting of the North Carolina Academy of Science. Buies Creek, NC, March 23-25, 2012.
- Tyson, J.A. and **D.A. Beamer**. 2012. Head shape evolution in introduced populations of woodland salamanders (genus *Plethodon*). The 109th Annual Meeting of the North Carolina Academy of Science. Buies Creek, NC, March 23-25, 2012.
- Lewis, E.A., L.M. Caine, and **D.A. Beamer**. 2011. A phylogeographic profile of the salamander genus, *Pseudotriton*. The 109th Annual Meeting of the North Carolina Academy of Science. Buies Creek, NC, March 23-25, 2012.
- Tyson, J.A. and **D.A. Beamer**. 2012. Head shape evolution in introduced populations of woodland salamanders (genus *Plethodon*). The 9th Annual Southeastern Ecology and Evolution Conference. Clemson, SC, March 2-4, 2012.
- Caine, L.M., E.A. Lewis and **D.A. Beamer**. 2012. A phylogeographic profile of the salamander genus, *Pseudotriton*. The 9th Annual Southeastern Ecology and Evolution Conference. Clemson, SC, March 2-4, 2012.
- Bridgers, T., G. Tinajero, B.J. Legg and **D.A. Beamer**. 2012. The phylogenetic position of two-lined salamander populations along North Carolina and Virginia borders. The 9th Annual Southeastern Ecology and Evolution Conference. Clemson, SC, March 2-4, 2012.
- Bridgers, T., G. Tinajero, B. Legg and **D.A. Beamer**. 2011. The phylogenetic position of two-lined salamander populations along North Carolina and Virginia borders. The 7th Annual State of North Carolina Undergraduate Research & Creative Symposium. Greenville, NC, November 19, 2011.
- Caine, L.M., W.S. Richardson, T. Reynolds and **D.A. Beamer**. 2011. A phylogeographic profile of the salamander genus, *Pseudotriton*. The 7th Annual State of North Carolina Undergraduate Research & Creative Symposium. Greenville, NC, November 19, 2011.
- Hadley, C., K. Braden, N. Nahshal, C. Moss and **D.A. Beamer**. 2011. Testing the utility of introns to resolve the phylogenetic relationships of closely related salamander taxa. The 108th Annual Meeting of the North Carolina Academy of Science. Elon, NC, March 25-26, 2011.

David A. Beamer, Ph.D. Curriculum Vitae

- Lockhart, A., E. Kelly, J. Kennedy and **D.A. Beamer**. 2011. A phylogeographic profile of the, *Pseudotriton*. The 108th Annual Meeting of the North Carolina Academy of Science. Elon, NC, March 25-26, 2011.
- Bridgers, T., C. Hadley and **D.A. Beamer**. 2010. The phylogenetic position of two-lined salamander populations along North Carolina and Virginia borders. The 6th Annual State of North Carolina Undergraduate Research & Creative Symposium. Raleigh, NC, November 20, 2010.
- Tinajero, G., T. Bridgers, C. Hadley, A. Short and **D.A. Beamer**. 2010. A phylogeographic profile of the three-lined salamander, *Eurycea guttolineata*. The 6th Annual Southeastern Ecology and Evolution Conference. Atlanta, GA, March 26-28, 2010.
- Morgan, C.A., D.H. Lloyd, and **D.A. Beamer**. 2008. The Big Picture on Tiny Salamanders: A Phylogenetic Survey of Dwarf Salamanders. The 69th Annual Association of Southeastern Biologists Meeting. Spartanburg, SC, April 16-19, 2008.
- Peroutka, C.M., **D.A. Beamer** and T. Lamb. 2008. A phylogeographic profile of the three-lined salamander, *Eurycea longicauda guttolineata*. 105th Annual Meeting of the North Carolina Academy of Science. Greenville, NC, March 28-30, 2008. **1st place Derieux Award - Oral Presentation**
- Lloyd, D.H., C.A. Morgan and D.A. Beamer. 2008. The Big Picture on Tiny Salamanders: A Phylogenetic Survey of Dwarf Salamanders. The 5th Annual Southeastern Ecology and Evolution Conference. Tallahassee, FL, March 28-30, 2008.

Awards

Nash Community College Foundation Instructional Innovation Award – 2019

National Institute for Staff and Organizational Development (NISOD) Award – 2017

American Arachnological Society Annual Meeting, Best Student Poster – 2004

Professional Service

REU Mentor for Mountain Lake Biological Station REU Site (cancelled due to COVID-19 emergency)

Vice President North Carolina Herpetological Society (2020-present)

NC Scientific Council for Reptiles and Amphibians Population Status, 2018-present

Panelist for Beers And Careers Session at SSAR/HL Student Social at the The Joint Meeting Of Herpetologists And Ichthyologists. Rochester, NY, July 11-15, 2018

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Panelist for Workshop II: Research at Community Colleges. The 115th Annual Meeting of the North Carolina Academy of Science. Raleigh, NC, March 23-24, 2018

Moderator for Herpetology Section at 2017 Association of Southeastern Biologists Meeting
Montgomery, AL

Judge for student Poster Session, 2016 Southeastern Ecology Evolution Conference, Tallahassee, FL

Faculty liason for Nash Community College STEM club 2010-present

Ad hoc reviewer for: *Copeia*, *Herpetologica*, *Forest Ecology And Management*, *Herpetological Conservation and Biology*, *Southeastern Naturalist*, *Global Change Biology*, *Journal of Arachnology*, *IUCN species accounts*

Community Service

STEM Night at Spring Hope Elementary, Feb. 28, 2020

Homeschool Science Fair Judge, Jan. 28, 2020

Monthly after school camp: Using Biotechnology To Uncover Biodiversity for 4th & 5th grade AIG students from Nash County, NC, 2018-2019

Exhibit table at Darwin Day, NC Museum of Natural Sciences, 2016-2019

Exhibit table at Reptile and Amphibian Day, NC Museum of Natural Sciences, 2016-2019

Science related activities and exhibit table at First Friday Events, Imperial Center, Rocky Mount, NC, 2016-2019

Exhibit table at Nash County 4-H Science Fair Blast Event, Nashville, NC, 2016-2018

Presentation at NC State University Herpetology Club Meeting, 2013-2019

Presentation at East Carolina University Herpetology Club Meeting, 2013

Presentation at NC State University Roots & Shoots Club Meeting, 2015

Led team during a Bioblitz of Cherokee Reservation, Cherokee, NC, 2015

Created and organized STEM club Meet The Scientist and Meet The Transfer Student events, 2013-present

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Volunteer for Neuse River Waterdog Population Status Survey, NC Wildlife Resource Commission, 2011-2015

Led team sampling amphibians and reptiles during National Geographic Bioblitz, Indiana Dunes National Lakeshore, 2009

Professional Membership

American Association for the Advancement of Science

American Society of Naturalists

Society for the Study of Amphibians and Reptiles

National Association of Biology Teachers

Society for the Advancement of Biology Education Research

Association of Southeastern Biologists

Southeastern Partners in Amphibian and Reptile Conservation (SE PARC)

North Carolina Academy of Science

North Carolina Herpetological Society