RYAN J. HANSCOM

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PROFESSIONAL APPOINTMENTS

Assistant Professor of Ecology and Evolution 2025-*present*
Department of Natural Sciences
University of South Carolina Beaufort, Beaufort, SC

EDUCATION

Doctor of Philosophy in Biology 2025
Joint Doctoral Program in Evolution
San Diego State University, San Diego, CA and University of California, Riverside, CA
Advisor: Dr. Rulon Clark (San Diego State University)

Master of Science in Biology 2020
Tennessee Technological University, Cookeville, TN
Major Advisor: Dr. Carla Hurt

Bachelor of Science in Biology 2017
Framingham State University, Framingham, MA
Major Advisor: Dr. Stephen Dinkelacker

PEER-REVIEWED PUBLICATIONS (*DENOTES MENTEE; ᵟDENOTES CORRESPONDENCE)

Maag, D. W., **R. J. Hanscom**, C. Fisher, V. Marcantonio*, E. McAndrews*, K. Kabat, J. Hill*, and R. W. Clark. 2025. Spatial Ecology of North American Pitvipers (Viperidae:Crotalinae): a Review and Meta-Analysis. Herpetological Monographs (*accepted*).

Strebler, M.*, M. Grisnik, M. White, and **R. J. Hanscomᵟ**. 2025. Herpetofauna of Catoosa Wildlife Management Area and species-area relationships of reptiles and amphibians across Tennessee. Herpetological Conservation and Biology 20(1) :158–166.

Romer A., M. Grisnik, W. Sutton, C. M. Murray, J. W. Dallas, R. H. Hardman, T. Blanchard, **R. J. Hanscom**, R. W. Clark, C. Godwin, R. Alexander, K. C. Moe, J. Eaker, R. Colvin, D. Thames, C. Ogle, J. Campbell, C. Frost, R. L. Brubaker, S. D. Snyder, D. W. Ludwig, J. L. Phillips, and D. M. Walker. 2024. Snake Fungal Disease (*Ophidiomycosis*) induces microbiome dysbiosis across biological scales. Conservation Biology. p.e14411.

Applegate, P.*, S. Dinkelacker, A. J. McCall, T. Gmerek, and **R. J. Hanscomᵟ**. 2024. Microhabitat use of chicken turtles (*Deirochelys reticularia*) in a barrier island ecosystem with interdune ponds. Chelonian Conservation and Biology: *Celebrating 25 years as the World's Turtle and Tortoise Journal* 23(2): 228–235.

Smith, N., **R. J. Hanscom**, J. Q. Richmond, R. N. Fisher, and R. W. Clark. 2024. Variation in dietary ecology of two invasive American Bullfrog (*Lithobates catesbeianus*) populations in southern California. Herpetologica 80(3):241–247.

Hill, J. L*., M. Grisnik, **R. J. Hanscom**, J. Sukumaran, T. E. Higham, and R. W. Clark. 2024. The past, present, and future of predator-prey interactions in a warming world: using species distribution modeling to forecast ectotherm-endotherm niche overlap. Ecology and Evolution 14(3):e11067.

Casaubon, A., K. M. Hultgren, C. Murray, **R. J. Hanscom**, A. Anker, and C. Hurt. 2023. Evolutionary relationships and geometric morphometrics of the *Alpheus gracilipes* species complex: an integrative approach. Journal of Crustacean Biology 43(4):ruad078.

Hanscom, R. J.ᵟ, J. L. Hill*, C. Patterson*, T. Marbach, J. Sukumaran, T. Higham, and R. W. Clark. 2023. Cryptic behavior and activity cycles of a small mammal keystone species revealed through accelerometry: a case study on Merriam's kangaroo rats (*Dipodomys merriami*). Movement Ecology 11(1):20.

Hanscom, R. J.ᵟ, T. E. Higham, D. Ryan, and R. W. Clark. 2023. Ambush hunting in snakes: behavior, function, and diversity. In D. Penning (Ed.), *Snakes: Morphology, Function, and Ecology*. 2023. Hauppauge, New York: Nova Science Publishers.

Hanscom, R. J.ᵟ, D. L. DeSantis, J. L. Hill*, T. Marbach, J. Sukumaran, A. Tipton, M. Thompson, T. E. Higham, and R. W. Clark. 2023. How to study a predator that only eats a few meals a year: high frequency accelerometry to quantify feeding behaviours of rattlesnakes (*Crotalus* spp.). Animal Biotelemetry 11(1):20.

Grisnik, M., and **R. J. Hanscom**. 2020. New county records for reptiles and amphibians from middle Tennessee's Cumberland Plateau. Herpetological Review 51:282–284.

Hanscom, R. J.ᵟ, S. Dinkelacker, A. McCall, and A. Parlin. 2020. Demographic traits of freshwater turtles in a maritime forest habitat. Herpetologica 76:12–21.

PEER-REVIEWED NATURAL HISTORY NOTES (*DENOTES MENTEE; ᵟDENOTES CORRESPONDENCE)

Hanscom, R. J.ᵟ, and R. W. Clark. 2023. *Crotalus viridis* (Prairie Rattlesnake). Scavenging Behavior. Natural History Notes. Herpetological Review 54(2): 311.

Hanscom, R. J.ᵟ, and C. Cranwell. 2023. *Ambystoma tigrinum* (Tiger Salamander). Geographic distribution. Herpetological Review 54(1):69.

Hanscom, R. J.ᵟ, and C. Cranwell. 2023. *Pseudacris triseriata* (Weid; Upland Chorus Frog). Geographic distribution. Herpetological Review 54(1):69.

Hanscom, R. J.ᵒ, and C. Cranwell. 2023. *Trachemys scripta elegans* (Pond Slider). Geographic distribution. Herpetological Review 54(1):72.

Hanscom, R. J.ᵒ, and M. Grisnik. 2023. *Aneides aeneus* (Green Salamander). Geographic distribution. Herpetological Review 54(1):66.

Hanscom, R. J.ᵒ, M. White, C. Cranwell, and M. Grisnik. 2023. *Regina Septemvittata* (Queen Snake). Geographic distribution. Herpetological Review 54:76.

Grisnik, M., **R. J. Hanscom,** and O. Bowers. 2019. *Desmognathus conanti* (Spotted Dusky Salamander). Parental Care. Herpetological Review 50:334–335.

SCIENTIFIC REPORTS (*DENOTES MENTEE; ᵒDENOTES CORRESPONDENCE)

Hanscom, R. J., and R. Clark. 2023, 2024. Predator-prey interactions between Ord's kangaroo rats and prairie rattlesnakes in Alberta, Canada. Alberta Fish and Wildlife.

Hanscom, R. J., and R. Clark. 2022, 2023, 2024. Prairie Rattlesnake and Kangaroo Rat predator-prey interactions in the Marathon Grasslands Preserve. The Nature Conservancy.

Alianelli*, D., H. Bahoura*, S. Dano*, A. Egan*, S. Habib*, A. Hernandez-Eleiter*, N. Huynh*, A. Martinez-Padilla*, R. Palomera-Salas*, V. Rodriguez*, D. Romero*, C. Russo*, S. Sabri*, C. Serrano*, A. Soto*, M. Strebler*, C. Summerlin*, K. Wyatt*, and **R. J. Hanscomᵒ**. 2022. How is biodiversity impacted within urban agricultural farms using regenerative practices? A case study of the intermediate disturbance hypothesis at Coastal Roots Farm, Encinitas, CA. Coastal Roots Farm Non-Profit Organization.

Hurt, C., K. Hultgren, A. Anker, and **R. J. Hanscom**. 2019. Genomic variation and species diversification in Alpheid snapping shrimp. National Geographic Society.

RESEARCH EXPERIENCE

Research Associate, San Diego State University, San Diego, CA. 2024 – 2025.

Doctoral Candidate, San Diego State University, San Diego, CA. 2020 – 2025.

Wetland Conservation Lead Field Technician, Tennessee Technological University, Cookeville, TN. 2020.

Graduate Research Assistant, Tennessee Technological University, Cookeville, TN. 2018 – 2020.

Tennessee Technological University Natural History Museum: Herpetological Primary Volunteer, Tennessee Technological University, Cookeville, TN. 2020.

Snake Fungal Disease Research Assistant, Middle Tennessee State University, Murfreesboro, TN. May – August 2018, 2019.

Fantail Darter (*Etheostoma flabellare*) Microbiome Research Technician, Middle Tennessee State University, Murfreesboro, TN. May 2019.

Freshwater Turtle Primary Research Technician, The Nature Conservancy, North Carolina. May – August 2015, 2016, and 2017.

American Alligator Survey Research Assistant, Framingham State University, Framingham, MA. Summer 2017.

Herpetological Laboratory Primary Technician, Framingham State University, Framingham, MA. 2014, 2015, 2016, and 2017.

TEACHING EXPERIENCE AND PUBLIC OUTREACH

Adjunct Instructor: Life and Death in the Salt Marsh, University of South Carolina Beaufort, Maymester 2025

- Designed, lectured, and taught an intensive Maymester course focusing on the understanding of the ecological and anthropological importance of coastal salt marsh.
- Students spent more than 5 hours per day investigating local salt marsh communities and participating in interactive classroom sessions culminating in the planning, developing, and carrying out of their own independent research project.

Instructor of Record: Conservation Ecology, San Diego State University, Fall 2024

- Designed, lectured, and taught an upper-level biology course this fall and have the responsibility of managing a Teaching Assistant for the laboratory portion.
- Students will learn the essentials of conservation ecology in lecture and practical big data skills and analyses during the laboratory portion of the class.

Instructor of Record: Experimental Ecology, San Diego State University, Fall 2022, 2023

- Designed, lectured, and taught an upper-level undergraduate field course in Experimental Ecology intended to teach students how to conduct research from the field to dissemination.
- Students went on field trips to collect data, analyzed data in R, and wrote reports for the class. Examples of general methods used were mark-recapture, behavioral observations, and biodiversity estimates.

Lead Teaching Assistant: General Biology, San Diego State University, 2020 – 2021

- Administrative duties for large lectures, organizing and leading discussion sections, and at home laboratory experiments.

Lead Teaching Assistant: General Genetics, Tennessee Technological University, 2018 – 2020

- Lectured the following material: Probability, Mendelian Inheritance, Pedigrees, Sex-Linked Genes, Chi-Squared Analysis, and Hardy-Weinberg.
- Lab experiments include the following: Structure of DNA, Gel electrophoresis, and PCR.

Supplemental Instruction Leader: Organismal Biology, Framingham State University, 2017

- Organized and administered lecture content and extra help studying sessions.

General Biology Tutor: All undergraduate biology classes, Framingham State University, 2017

- Provided a one-on-one setting for any student on campus who needed tutoring for a biology course.

- Courses that I assisted students with included Biological Concepts, Human Biology, Intro to Organismal Biology, Intro to Cellular and Molecular Biology, Cell Biology, Processes of Organic Evolution, and Animal Physiological Ecology.

Supplemental Instruction Leader: Introduction to Biology, Framingham State University, 2015 – 2017

- Provided supplemental instruction as a teaching assistant for a specific class with a higher-than-average failure and withdrawal rate. Review sessions were held where student attendance was voluntary.

Outreach and Education Leader: The Freshwater Turtles and Snakes of Nags Head Woods Ecological Preserve, The Nature Conservancy, 2015 – 2017

- Led public outreach events discussing the natural history of freshwater turtles and snakes found on the barrier islands of North Carolina.

Guided Hike Tour Educational Leader: Nags Head Woods Ecological Preserve Ecology and Natural History, The Nature Conservancy, 2015 – 2017

- Designed and implemented a guided hike for visitors done weekly throughout Nags Head Woods Ecological Preserve exploring its natural history and ecology.

Guided Bear Tour Educational Leader: The Natural History of the American Black Bear at Alligator River Wildlife Refuge, 2015 – 2016

- Led public outreach tours to view American black bears (*Ursus americanus*) in their natural habitat and discussed their natural history, along with the overall ecology of the refuge.

CONFERENCE PRESENTATIONS AND INVITED ACADEMIC TALKS (*DENOTES MENTEE)

Hanscom, R. J., J. Hill*, T. E. Higham, J. Sukumaran, and R. W Clark. 2025 Exploring the intersection of behavior and physiology in Crotalus viridis across their range through biologging. Biology of Pitvipers Conference, Rodeo, New Mexico.

McAndrews, E.*, J. Lemm, **R. J. Hanscom**, and R. W. Clark. 2025 Integrating novel and traditional field technologies to quantify the activity cycles, behavior, and spatial ecology of a California species of special concern, *Crotalus ruber*. Biology of Pitvipers Conference, Rodeo, New Mexico.

Kodama, T., **R. J. Hanscom**, H. Vallebhani, R. Tobin, and R. W. Clark. 2025. Ten snakes, ten venoms: Functional variation in prey resistance to venoms of individual rattlesnakes within a single population.

Hanscom, R. J. 2024. Conservation of Reptiles in Southern California. Fallbrook Land Conservancy, Fallbrook, California.

Hanscom, R. J. 2024. Reptile behavior using advanced field technologies. The Sierra Club, Temecula Chapter, Temecula, California**.**

Hanscom, R. J., J. L. Hill*, J. Sukumaran, T. E. Higham, and R. W. Clark. 2024. Determining activity patterns and foraging rates of prairie rattlesnakes across their range using high-frequency accelerometry. Society for the Study of Amphibians and Reptiles, Ann Arbor, Michigan.

Clark, R. W., **R. J. Hanscom**, E. McAndrews*, L. Carpenter*, C. Fisher, A. Tipton, M. Thompson, and D. L DeSantis. 2024. Using animal borne accelerometry for the understanding of ecology and behavior of free-ranging snakes: progress, pitfalls, and best practices. Snake Ecology Group VII, Winter, Wisconsin.

Hill, J. L.*, **R. J. Hanscom**, T. E. Higham, J. Sukumaran, and R. W. Clark. 2024. Intraspecific Variation in the Spatial Ecology of a Widely Distributed North American Pitviper (Prairie Rattlesnake, *Crotalus viridis*). Southern California Animal Behavior Meeting, Los Angeles, CA.

Hanscom, R. J. Exploring reptile behavior through biologging: next generation natural history. 2024. San Diego Herpetological Society, San Diego, California.

Hanscom, R. J. The future of natural history in a changing world: training the next generation of human ecologists. 2023. College of the Atlantic, Bar Harbor, Maine.

Hanscom, R. J., J. L. Hill*, C. Patterson*, T. Marbach, J. Sukumaran, T. E. Higham, and R. W. Clark. 2023. Animal-borne accelerometry to quantify behavior and activity cycles of a nocturnal, small bodied kangaroo rat. 13th International Mammalogical Congress, Anchorage, Alaska.

Goode, M., A. Pawlicki, J. Bauder, and **R. J. Hanscom**. 2023. Long-Term Research on Species-, Population-, and Community-Level Effects of Urbanization on Snakes and Lizards. Joint Meeting of Ichthyologists and Herpetologists, Norfolk, VA.

Hill, J. L.*, M. Grisnik, **R. J. Hanscom**, J. Sukumaran, T. E. Higham, and R. W. Clark. 2023. Using Ecological Niche Models to Examine a Predator-Prey System Over Time: Prairie Rattlesnakes (*Crotalus viridis*) and Ord's Kangaroo Rats (*Dipodomys ordii)*. International Association for Landscape Ecology North America Meeting, Riverside, CA.

Patterson*, C., **R. J. Hanscom**, J. Hill*, T. Marbach, J. Sukumaran, T. Higham, and R. W. Clark. 2023.Using accelerometry to quantify cryptic behaviors of a small nocturnal mammal. The Wildlife Society, Evenstad Chapter, Evenstad, Norway.

Hanscom, R. J., J. Hill*, T. Marbach, C. Patterson, J. Sukumaran, T. Higham, and R. W. Clark. 2023.Using accelerometry to hop into the behavioral classification of a small nocturnal mammal. Society of Integrative and Comparative Biology Meeting, Austin, TX.

Hill, J.*, M. Grisnik, **R. J. Hanscom**, J. Sukumaran, T. Higham, and R. W. Clark. 2023. Describing a predator-prey system using ecological niche models: rattlesnakes and kangaroo rats. Society of Integrative and Comparative Biology Meeting, Phoenix, AZ.

Hanscom, R. J. 2022. Becoming a biologist: ecology, evolution, and academia. Invited Guest Lecture in Animal Behavior, San Diego State University, CA.

Hanscom, R. J., D. DeSantis, J. Hill*, T. Marbach, J. Sukumaran, A. Tipton, M. Thompson, T. Higham, and R. W. Clark. 2022. Rattlesnake feeding ecology: using high frequency accelerometry to capture feeding events across *Crotalus*. Biology of Pitvipers Conference, Rodeo, NM.

Hill, J.*, M. Grisnik, **R. J. Hanscom**, and R. W. Clark. 2022. Determining the potential for geographic range expansion of pitvipers at northern latitudes in the context of climate change. Biology of Pitvipers Conference, Rodeo, NM.

Goode, M., A. Pawlicki, and **R. J. Hanscom**. 2022. Tiger Rattlesnake (*Crotalus tigris*) population demography based on 20 years of capture-recapture data. Biology of Pitvipers Conference, Rodeo, NM.

DeSantis, D., A. Tipton, M. Thompson, **R. J. Hanscom**, R. W. Clark, V. Mata-Silva, J. Johnson, and J. Diosdado. 2022. Integrating radio-telemetry and accelerometry to monitor the spatial and temporal movement patterns of snakes. Biology of Pitvipers Conference, Rodeo, NM.

Hanscom, R. J., J. Hill*, C. A. Patterson*, T. Marbach, J. Sukumaran, T. Higham, and R. W. Clark. 2022. Using animal-borne accelerometers to characterize detailed behavioral traits of a nocturnal rodent (Merriam's Kangaroo Rat, *Dipodomys merriami*). Southern California Animal Behavior Meeting, Riverside, CA.

Hill, J.*, **R. J. Hanscom**, T. Marbach, J. Sukumaran, T. Higham, and R. W. Clark. 2022. Quantifying cryptic behaviors using high frequency accelerometry in reptiles: feeding ecology of rattlesnakes. Southern California Animal Behavior Meeting, Riverside, CA.

Hanscom, R. J., J. Hill*, C. Patterson*, T. Marbach, J. Sukumaran, T. Higham, M. Remmington, and R. W. Clark. 2022. Quantifying cryptic behaviors using high frequency accelerometry in reptiles: feeding ecology in rattlesnakes. Society of Integrative and Comparative Biology Meeting, Phoenix, AZ.

Hill, J.*, **R. J. Hanscom**, C. Patterson*, T. Marbach, J. Sukumaran, T. Higham, and R. W. Clark. 2022. Using animal-borne accelerometers to characterize detailed behavioral traits of a secretive, nocturnal rodent (Merriam's Kangaroo Rat, *Dipodomys merriami*). Society of Integrative and Comparative Biology Meeting, Phoenix, AZ.

Hanscom, R.J. 2020. Snapping shrimp species diversification: the role of genome size, geography, and ecology in two genera (*Alpheus* and *Synalpheus*), M. S. Thesis Seminar, Cookeville, TN.

Hanscom, R. J. 2019. Freshwater turtle populations are resilient to the impacts of anthropogenically caused habitat loss: a case study on the barrier islands of North Carolina. Department of Biology, Tennessee Technological University, TN.

Hanscom, R. J. 2019. Genome size may contribute to reproductive isolation of sympatric species pairs within the snapping shrimp genus *Alpheus*. Department of Biology, Tennessee Technological University, TN.

Hanscom, R. J., K. Hultgren, and C. Hurt. 2019. Genome size may contribute to reproductive isolation of sympatric species pairs within the snapping shrimp genus *Alpheus.* Southeastern Population Ecology and Evolutionary Genetics Meeting, Clemson, SC.

Hanscom, R. J., S. A. Dinkelacker, A. Parlin, and A. McCall. 2019. Demographic traits of freshwater turtles in a maritime forest habitat. Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT.

Hanscom, R. J. 2017. Undergraduate research in wildlife biology. Accepted Students Day: STEM*,* Framingham State University, MA.

Hanscom, R. J. 2016. Undergraduate research in wildlife biology. Accepted Students Day: STEM*,* Framingham State University, MA.

Hanscom, R. J. 2016. Freshwater turtle population demography research. Board of Trustees Meeting: *Student Spotlight,* Framingham State University, MA.

RESEARCH GRANTS AND ACADEMIC AWARDS (~ $82,000 AWARDED)

Clark, R. W., C. Fischer, and **R. J. Hanscom**. 2023 – 2025. Developing bio-logging tools for informed conservation of a Colorado Desert flagship species, the flat-tailed horned lizard. Bureau of Reclamation, $55,000.

Hanscom, R. J. 2023 – 2025. Achievement Rewards for College Scientists (ARCS) San Diego Chapter Scholarship. San Diego State University, $20,000.

- ARCS Foundation advances science and technology in the United States by providing financial awards to academically outstanding doctoral students studying to complete degrees in science, engineering, math, technology, and medical research.

Hanscom, R. J. 2023. Charlotte Magnum Student Award. Graduate student travel award for the Society of Integrative and Comparative Biology Meeting, ~$1,000.

Hanscom, R. J. 2022. Achievement Rewards for College Scientists (ARCS) San Diego Chapter Scholarship (Finalist). San Diego State University.

Hanscom, R. J. 2022. Donald W. and Glennis A. Kaufman Research Award. Impacts of environmental variability on the behavioral ecology of a keystone species (*Dipodomys ordii*) using miniaturized animal-borne movement and temperature sensors. American Society of Mammalogists, $2,500.

Hanscom, R. J. 2022. Charlotte Magnum Student Award. Graduate student travel award for the Society of Integrative and Comparative Biology Meeting, ~$1,000.

Hanscom, R. J. 2019. Clark Hubbs' Student Travel Award. Graduate student travel award for the Joint Meeting of Ichthyologists and Herpetologists, $1,000.

Hanscom, R. J. 2017. William H.D. Meier Award.

- This award is presented to a senior in Biology who has shown outstanding ability and interest in the field of Natural Science and holds the promise of continuing that interest in a leadership role. Framingham State University.

Hanscom, R. J. 2016. Undergraduate Research Award. Demographic traits of freshwater turtles in a maritime forest habitat. Framingham State University, $1,000.

Hanscom, R. J. 2016 – 2017. President's List. Awarded to an undergraduate student carrying a minimum of 3 course-credits and earns a place on this honor roll in which the student earns a GPA of 3.75 to 4.00. Framingham State University, 4 semesters.

Hanscom, R. J. 2015 – 2017. Dean's List. Awarded to an undergraduate student carrying a minimum of 3 course-credits and earns a place on this honor roll in which the student earns a GPA of 3.30 to 3.74. Framingham State University, 6 semesters.

ACADEMIC SERVICE & TRAINING

Professional Service

- R workshop: Principles of Biological Data — University of South Carolina Beaufort: Summer 2025
  - Held two sessions discussing the basics of R with USCB summer interns
- Mentor — The Graduate Student Mentorship Program 2024 – 2025 *Society for the Study of Amphibians and Reptiles*
- Diversity, Equity, and Inclusion Committee Member: 2023 – *present Society for the Study of Amphibians and Reptiles*
  - Workshops created and participated in as a panel member: 'Virtual info session on identifying graduate programs and preparing to apply: 2024'; 'Navigating the grad school Interview:2024'
- Volunteer and Steward of Santa Margarita Ecological Reserve 2023 – 2025
- Career Day: SD MET High School 2024 (part of The Big Picture Learning Network; participated as the ecologist)
- Student Affairs Committee Member 2023: *Herpetologists' League*
- Urban Evolutionary Biologist Faculty Student Search Committee: *San Diego State University*
- California State University System-wide Student Research Competition: *Judge* of the Biological and Agricultural Sciences Graduate Level Final

Ad Hoc Reviewer

- Functional Ecology (1)
- Frontiers in Amphibian and Reptile Science (1)
- Sensors (1)

- Animal Biotelemetry (2)
- Tennessee Journal of Herpetology (1)

Mentoring Experience

- Throughout my professional career thus far in academia, I have mentored and guided undergraduate and graduate students to further their careers in biology in both field and laboratory environments.
    - I am currently mentoring undergraduate students in my research program at University of South Carolina Beaufort
        - Loren Quintana – mentee; primary lab technician for ecological fieldwork
        - Layla Bowman – mentee
        - Mason Reid – mentee
    - I have mentored several undergraduate/graduate students during my time as a Ph. D. Candidate at San Diego State University.
        - Emma McAndrews – mentee; M.S. student leading efforts to develop biologging tools for the California species of special concern, the red diamond rattlesnake
        - Jessica Hill – mentee/co-leader for fieldwork for my dissertation project. Have co-authored multiple papers together and graduated with her M. S.; currently works for private company consulting NOAA
        - Marissa Strebler – lab assistant/mentee; leading a first-author publication as my student, which is currently *accepted* at Herpetological Conservation Biology
        - Parker Applegate – field assistant/mentee; led a first-author publication as my student, which is currently *in press* at Chelonian Conservation and Biology.
        - Charlotte Patterson – field assistant/mentee; currently pursuing her M. S. in carnivore biology and is a co-author for a publication in Movement Ecology.
        - Leah Carpenter – lab assistant/mentee; hired as an M.S. student to develop biologging tools for the flat-tailed horned lizard and is funded through a grant acquired by R. W. Clark, C. Fischer, and myself.
        - Camryn Bowling – lab and field assistant/mentee
        - Dominic Alianelli –lab and field assistant/mentee
        - Chelsey Assor – field assistant/mentee
        - Andrew Powers – field assistant/mentee
        - Sebastian Mendoza – field assistant/mentee
        - Bryan Meraz – field assistant/mentee
        - Brynn Sablan – field assistant/mentee
        - Hana Koyoma – lab assistant/mentee
        - Alexis Harris – lab assistant/mentee
        - Jackeline Hurtado Soto – lab assistant/mentee
        - Olivia Hillger – lab assistant/mentee
        - Peter Weiss – lab assistant/mentee
        - Briana Aldrete – lab assistant/mentee
        - Daniela Martinez Zazuata – lab assistant/mentee
        - Darren Romero – lab assistant/mentee
        - Jordan Paulson – lab assistant/mentee
        - Valeria Gutierrez Lemus – lab assistant/mentee
        - Taylor Kallman – lab assistant/mentee
        - Matthew Bazzi – lab assistant/mentee
        - Savannah Silva -–lab assistant/mentee
        - Shannon Michel – lab assistant/mentee

- Xochitl Lopez – lab assistant/mentee
- Erica Noe – lab assistant/mentee
- John Carlo Dizon – lab assistant/mentee
- Joshua Mayo – lab assistant/mentee
- Mariana Padilla – lab assistant/mentee
- Rachel Restrepo – lab assistant/mentee
- Lea Sanders – lab assistant/mentee
- Vanessa Tyler – lab assistant/mentee
- Talon Weck – lab assistant/mentee
- Makena Macias – lab assistant/mentee
- Mariana Montiel – lab assistant/mentee
- Nicole Tristan Udan – lab assistant/mentee
- Fiorella Dongo – lab assistant/mentee
- Justin Cole Murakawa – lab assistant/mentee
- Roman Mammo – lab assistant/mentee
- Veronica Bravo – lab assistant/mentee
- Vincent Marcantonio –undergraduate mentee
- Kylie Neubauer –undergraduate mentee
- Adam Guss –undergraduate mentee

o I have mentored several undergraduate students during my time as a Teaching and Research Assistant at Tennessee Technological University

- Parker Hildreth – lab and field assistant/mentee; completed his M. S. in biology with my former M. S. advisor, described a new species of crayfish, and is currently a biologist for Tennessee Wildlife Resources Agency.
- Tanner Thomas – lab assistant/mentee
- Alexandra Thornton – mentee
- Joshua Bean – mentee
- Aaron Schoch – mentee

Specialized Training

- San Diego IRACDA: *Institutional Research and Academic Career Development Award Program*
  - The IRACDA program aims specifically to develop a diverse group of highly trained biological scientists.
  - San Diego IRACDA is committed to diversity and inclusion and welcomes all people including individuals from underrepresented racial/ethnic backgrounds, women, and persons with disabilities.
- CPR and First Aid Certified
- SCUBA certified
- South Carolina Boater Education Course Certified

Professional Memberships

- American Society of Mammologists
- American Society of Ichthyologists and Herpetologists
- Herpetologists' League
- Society for the Study of Amphibians and Reptiles
- Society of Integrative and Comparative Biology