CHRISTOPHER L. PARKINSON

CONTACT INFORMATION

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EDUCATION

Ph.D. *in* Biology, University of Louisville, Louisville, KY. 1996
B.S. *in* Zoology (Wildlife Biology), **B.S.** *in* Botany (Field Biology),
Ohio University, Athens, OH. March 1990 *cum laude*

CURRENT POSITIONS

Professor — Department of Biological Sciences
8/15/2017 – Present — *Clemson University,*

Director — Clemson University Genomics and Bioinformatics Facility
5/15/2021 – Present (20% FTE) — *Clemson University, College of Science*

Chair, Graduate Advisory Committee & Biological Sciences Graduate Program Coordinator
8/15/2023 – Present — Department of Biological Sciences
Clemson University

PREVIOUS POSITIONS

Professor (Joint affiliation dropped) — Department of Forestry and Environmental Conservation College of Agriculture, Forestry and Life Sciences
8/15/2017-11/31/2025 — *Clemson University*

Interim Director — Clemson University Genomics and Bioinformatics Facility
5/1/2018 – 5/14/2021 (20% FTE) — *Clemson University, College of Science*

Professor — Department of Biology
8/1/2013 – 8/14/2017 — *University of Central Florida*

Special Assistant to the Provost on Faculty Cluster Initiatives — Academic Affairs
5/28/2015 – 8/14/2017 (50% FTE) — *University of Central Florida*

I was responsible for all aspects of UCF's **Faculty Cluster Initiative**. My role included designing and leading the search process for faculty cluster hires across 11 colleges, facilitating cross-college hiring efforts, and coordinating space needs with Deans and Academic Affairs. I played a key role in the planning and occupancy optimization of the new 98,000 GSF Research 1 building. Additionally, I enabled and implemented the next phase of the initiative (FCI 2.0) and managed a budget of $15–20 million. I reported directly to Provost A. Dale Whittaker and Vice President for Research Elizabeth Klonoff.

Chair, Institutional Animal Care and Use Committee (IACUC)
2010-7/31/2016 (20% FTE) — Office of Research and Commercialization
University of Central Florida

PREVIOUS POSITIONS continued

Provost's Faculty Fellow (1 year training fellowship) Academic Affairs
8/1/2014 – 5/27/15 (50% FTE) *University of Central Florida*
As a Provost Faculty Fellow, I led university-level efforts to advance interdisciplinary scholarship and education at UCF. My work included assessing institutional strengths and barriers, leading a task force to design systemic and process improvements, and contributing to strategic decision-making. These efforts culminated in the launch of the **Faculty Cluster Initiative**—a ~$12–15 million program designed to drive discovery in key areas of excellence aligned with UCF's academic priorities.

Associate Professor Department of Biology
2007 – 2013 *University of Central Florida*
Vice-Chair of the University IACUC Office of Research and Commercialization
2009 – 2010 *University of Central Florida*
Assistant Professor Department of Biology
2001 – 2007 *University of Central Florida*
Post-Doctoral Fellow Section of Reptiles and Amphibians
2000-2001 *Carnegie Museum of Natural History*
Co-Instructor, Tropical Biology Department of Biology
Dec. 27-Jan. 9, 2000 *Indiana University* (taught in Costa Rica)
NSRA Post-Doctoral Fellow National Institutes of Health
1998-2000 *Indiana University with Jeff Palmer*
Post-Doctoral Fellow Jeff Palmer
1996-1998 *Indiana University*
Co-Instructor, Tropical Ecology Department of Biology
Spring 1995 *University of Louisville*
Co-Instructor, Tropical Field Ecology Department of Biology
Summer 1995 *University of Louisville* (taught in Costa Rica)
Wallace Chair Graduate Teaching Assistant Molecular Evolution and Systematics
1992-1993 *University of Louisville*
Graduate Research Assistant Department of Biology: Dr. J E. Ahlquist
1991-1992, 1993-1996 *University of Louisville*
Graduate Teaching Assistant Department of Zoology and Biomedical Sciences
September 1990 - August 1991 *Ohio University*

HONORS

RESEARCH

Collaboration Award
College of Engineering, Computer and Applied Sciences, Clemson University 2022
Mentor of the Year
Office of Undergraduate Research, University of Central Florida 2013-14
Research Incentive Award (RIA)[1]
College of Sciences, University of Central Florida, Fall 2012
Research Incentive Award (RIA)[1]
College of Sciences, University of Central Florida, Fall 2005
Dean's Citation
University of Louisville Graduate Program, Louisville KY 1996

[1] Competitive Research or Teaching award which resulted in a permanent $5000 base salary increase that faculty may compete for once every 5 years.

HONORS continued

TEACHING

University Excellence in Undergraduate Teaching[2] (*Campus-wide, one individual selected from all college winners*)
University of Central Florida 2012
Excellence in Undergraduate Teaching[2]
College of Sciences, University of Central Florida 2012
Teaching Incentive Program (TIP)[3]
College of Sciences, University of Central Florida, 2010
Excellence in Undergraduate Teaching[2]
College of Sciences, University of Central Florida 2005
Teaching Incentive Program (TIP)[3]
College of Sciences, University of Central Florida, 2005

OTHER DISTINCTIONS

Featured in Clemson News, Clemson University
Clemson researchers created Venom Maps 8/22/2022
Featured in Clemson News, Clemson University
Clemson researchers find snake venom complexity is driven by prey diet 4/19/2021
Featured in Clemson News, Clemson University
Biological Sciences course gives graduate students learning opportunity 3/26/2021
Featured in Clemson News, Clemson University
Genetic Research on highly venomous Tiger Rattlesnakes breaks new ground 1/21/2021
Featured in Clemson News, Clemson University
Mojave rattlesnakes' life-threatening venom is more widespread than expected. 1/14/2019
Invited participant in the "Cross Campus Leadership Development Workshop"
Faculty Affairs, University of Central Florida 2013
Featured WUCF Segment on the ONE show
UCF TV program 2012
Featured in UCF Today
UCF Biologists Ask: Where have the Snakes Gone, May 22, 2012
Featured in UCF Today
Regarding the University Award in Excellence in Undergraduate Teaching, 2012
Featured Segment on UCF PROFILES
UCF TV program 2006
Interdisciplinary and International Summer Fellow
International Studies, University of Central Florida 2005
Featured in QUEST Magazine
College of Arts and Sciences, University of Central Florida 2005
Featured Segment on ZENITH
UCF Office of Research and Commercialization TV program 2005

INVITED SEMINARS

2024 Mitigating Risk in the Field and Lab when Dealing with Venomous Creatures in Research. The Association for Biosafety and Biosecurity Annual Meeting. Plenary Talk- Phoenix AZ
2024 The genomic landscape and the evolution of New World pitvipers and their venoms. SCPARC Beaufort SC
2023 Genome and Venom Evolution in Vipers. BioPhysics Colloquia. Clemson University

[2] Competitive Teaching award which resulted in a $2000 salary bonus that faculty may compete for once every 3 years
[3] Competitive Research or Teaching award which resulted in a permanent $5000 base salary increase that faculty may compete for once every 5 years.

INVITED SEMINARS continued

2022 The genomic landscape and the evolution of New World pitvipers. Biology of Pitvipers4. Rodeo NM

2022 Challenges of High-Risk Fieldwork and Working with Venomous and Hazardous Species for IACUCs. NAS ILAR workshop: Animal Welfare Challenges in Research and Education on Wildlife, Non-Model Animal Species, and Biodiversity. Hosted by The National Academies of Sciences, Engineering & Medicine. See Proceedings Workshop: https://doi.org/10.17226/26614

2022 The genomic landscape and the evolution of New World pitvipers and their venoms. Western Carolina University Cullowhee, NC

2021 The Evolution of Venom Variation in Rattlesnakes. Snake Days Conference, Zoom Conference.

2020 Understanding the Evolution of Rattlesnakes and Their Venom. Ohio University, Athens OH

2020 Venom Evolution in New World Snakes. The University of Kentucky, Lexington KY (4/2020) Canceled due to Covid-19

2019 Challenges and Achievements: Understanding the Evolution of Rattlesnakes and Their Venom. University of North Carolina Charlotte. Dept. of Bioinformatics and Genomics. Charlotte NC

2018 Venom gland transcriptomics and the evolution of venom variation in rattlesnakes. Venomous Snake Symposium ZooMiami, Miami Fl.

2017 The Trees Tell All: Investigating Speciation and Defining Adaptive Traits in Snakes and Lizards. Department of Biological Sciences. Clemson University

2017 The Trees Tell All: Delimiting Conservation Priorities and Defining Adaptive Traits in Snakes and Lizards. Department of Forestry and Environmental Conservation. Clemson University

2017 Taxonomy and Biogeography of New World Snakes. (Plenary Lecture). Congress of the Brazilian Society of Toxinology. Florianopolis, Brazil.

2017 Evolution and Diversification of New World Pitvipers. Institute Butantan. Sao Paulo Brazil.

2016 Venom Evolution in Pitvipers: A comparative Phylogenetics and Transcriptomics Approach. Venom Evolution Symposium; World Congress of Herpetology China.

2015 What is in a name: why taxonomy matters and why it changes? Snake Days Conference, Sanderson TX.

2014 Care and Use of Nonvenomous and Venomous Reptiles in Science. American Association for Laboratory Animal Science National Meeting. San Antonio TX

2014 Evolution in the New World Tropics: a venomous snake perspective. Valdosta State University, Valdosta GA.2012

2012 Phylogenetics in Conservation, Evolution and Medicine. University of Central Florida Orlando FL.

2011 Evolution of New World Venomous Snakes. Universidad de Costa Rica, Instituto Clodomiro Picado. San Jose Costa Rica

2010 Evolution and Biogeography of New World Venomous Snakes. Invited "Charla Magistral or Keynote speaker" in the venomous animals symposium held at the III Congreso Colombiano Zoologia meeting in Medellín, Colombia

2009 Venomous Snakes of the South Eastern United States. Snow Bird Retriever Club. Thomasville GA.

2007 Evolution and Biogeography of New World venomous snake evolution. UF, Gainesville FL

2006 Phylogenetics: The string that unites systematics, genome evolution, and conservation. UCF

2006 Endangered Beach Mouse Genetics. USFWS, FWC. Lake City, Florida

2005 Evolution of Snakes. Universidad de Antioquia, Medellin, Colombia

2004 Evolutionary History of *Atractaspis*. Linnaean Society of London, London England

2004 Pitviper systematics and why their names change. International Herpetological Symposium

2004 Pitviper evolution and taxonomy. Daytona Beach Community College

2003 Evolution within pitvipers: the forests and the trees. Universidad de Antioquia, Medellin, Colombia

2003 An Investigation of Vertical Transmission in the Role of the Fibropapillomatosis-Associated Herpesvirus in Marine Turtles. Fish and Wildlife Conservation Commission.

2002 Pitviper Evolution. Natural History Museum of Denmark- University of Copenhagen

2002 Evolution of New World Pitvipers. Gothenburg University. Gothenburg, Sweden.

INVITED SEMINARS continued

2002 Pitviper Evolution in Middle America. Washington University St. Louis.
2001 Evolution of Pitvipers. Universidad de São Paulo, Brazil.
2000 Plant mitochondrial genome evolution. University of Pittsburgh.
2000 Molecular evolution in the Garden of Eden. University of Central Florida
2000 Multigene phylogenetic analysis of pitvipers, with comments on the biogeography of the group. Biology of the Vipers, Uppsala Sweden
1999 Molecular evolution within seed plants, and viper biogeography. Eastern Illinois University
1998 Molecular systematics and biogeography of pitvipers. Ohio University
1997 Roller coaster evolution in plant mitochondrial genomes. University of Missouri, Columbia
1997 Molecular systematics of the Crotalinae. University of Missouri, Columbia

INVITED TRAINING SEMINARS

2019 Snakes, SOPs, and Research Safety: Considerations for the Lab and the Field. With ∞E.P. Hofmann. Southeastern Biological Safety Association Invited Workshop, Clemson University, Clemson, SC.
2017 SCAW 3 day Worksop/Conference: Meeting the Challenges of IACUC Oversight in Fish and Wildlife Research. Sponsors: OLAW/NIH/DHHS; USDA/APHIS/AC; US Forest Service and CITI Program. San Diego CA
2013 New Euthanasia Guidelines, AAALAC accreditation and working with your IACUC. With N. Guilloud DVM. UCF College of Medicine Lake Nona campus given twice, UCF main campus given twice.
2013 IACUC Basics and writing a successful protocol- The laboratory edition and the Wildlife edition. With N. Guilloud DVM. UCF College of Medicine Lake Nona campus given twice, UCF main campus given twice.
2012 IACUC and AAALAC (Important Changes and what it means to you). with Norman Guilloud DVM. UCF College of Medicine Lake Nona campus given twice, UCF main campus given twice.
2010 Institutional Animal Care and Use Committee: A quick tour for PI's, Researchers, and Students. UCF Main Campus

FUNDED RESEARCH PROJECTS

Clemson University (CU-MRI) **$207,415+130,650 (trade-in match)**
2023-2024 CU-MRI: Acquisition of Mid-level Next Generation Sequencer. PI-Parkinson, co-I's Mackay, Dean, & Saski

National Institutes of Health, Research Core Lead **$2,305,640**
2022-2027. NIGMS, 1P20GM146584-01 "COBRE: Eukaryotic Pathogens Innovation Center (EPIC)" Total funding ~11.1 million. PI James Morris

National Institutes of Health **$734,137**
2022-2023. NIGMS, 3P20GM121342-03S1- SARS-CoV2 sequencing surveillance program for Upstate South Carolina. PI Yao, co-I's: Dean, Parkinson, Saski, Kalbaugh, Pekarek, Renert & Peng

Clemson University (CU-Seed Grant) **$10,000**
2022 "Keeping pace with a warming world: The ecological genomics of adaptation to climate change." PI Sears, co-I's: Parkinson & Saski

Clemson University (CU-MRI) **$314,117**
2022 "Boosting Computational Infrastructure for Multidisciplinary Big Data Analyses" PI Mackay, co-I's : Anholt, Parkinson, Stamatikos

FUNDED RESEARCH PROJECTS continued

National Institutes of Health via SC INBRE **$10,000**
2021-2022. "*Sequencing the Saw-scaled Viper Genome and Venome with Third-Generation Technologies to Facilitate the Next-Generation of Antivenoms"*. PI Parkinson, Co-I Ed Myers

National Institutes of Health (Total $1,522,309 including $771,900 Clemson match) **$750,405**
2021-2022. NIGMS, 3P20GM121342-03S1- SARS-CoV2 sequencing surveillance program for Upstate South Carolina. PI Yao, co-I's: Dean, Parkinson, Saski, Kalbaugh, Pekarek, Renert & Peng

Clemson University (CU-MRI) **$203,046**
2021 "Acquisition of common-use equipment for quality control, optimization and quantification for Next Generation Sequencing" PI Parkinson, co-I's: Mackay, Dean, Saski, & Duckett

National Institutes of Health, Research Core, Co-Director w/Trudy Mackay **$2,081945**
2021-2026 NIGMS, P20 GM 139769 "COBRE in Human Genetics"
Total funding ~10.7 million. PI Trudy F. Mackay.

National Geographic Exploration Grant (NGS-61140R-19) **$29,360**
2019-2022 Venomous archipelagos: Integrating adaptability and island biogeography theory to assess persistence in the Anthropocene. PI's Mark Margres & Jason Strickland- former postdocs.

National Institutes of Health, Research Core Lead (took over 2 years into the 5 year award) **$864,783**
2018-2022 NIGMS, P20 GM 10904 "COBRE: Eukaryotic Pathogens Innovation Center (EPIC)"
Total funding ~10.5 million. PI Lesly A. Temesvari.

National Science Foundation **$651,000**
2020-2023. *MRI: Acquisition of a Cyberinstrument for AI-Enabled Computational Science & Engineering.* PI Amy Apon: CECS - Parkinson senior investigator

National Science Foundation **$557,120**
2016-2022 "Collaborative Research: Dimensions US-BIOTA-São Paulo: Scales of biodiversity – Integrated studies of snake venom evolution and function across multiple levels of diversity" $4,000,000 total across all investigators (2M in US & 2M in Brazil); CoPIs: H. Lisle Gibbs at Ohio State University, Darin Rokyta at the Florida State University, and in Brazil, Inacio de L. M. Junqueira-de-Azevedo, Ana M. Moura da Silva, Felipe Grazziotin and Erika Hingst-Zaher.

U.S. Fish and Wildlife Service (to UCF subcontract to Clemson) **$51,624**
2018-2019 "Evaluating Mole Skinks and Salt Marsh subspecific taxonomy in Florida using genomics".

Florida Wildlife Conservation Commission **$19,000**
2016-2018 "Evaluating Mole Skinks and Salt Marsh subspecific taxonomy in Florida using genomics".

U.S. Fish and Wildlife Service **$66,621**
2015-2017 "Evaluating Mole Skinks and Salt Marsh subspecific taxonomy in Florida using genomics".

Florida Wildlife Conservation Commission **$54,625**
2014 "Is managed retreat a feasible option for Gopher Tortoise and burrow commensal animal populations impacted by projected sea level rise in Florida." Co-Pi Rich Seigel, Towson University.

FUNDED RESEARCH PROJECTS continued

COS/ORC Seed Grant, UCF **$25,000 + $5000 match from Biology and $20,000 match from COM.**

2013 "Investigating the prevalence and transmission dynamics of *Staphylococcus aureus* in an integrated healthcare and community setting: an evolutionary approach." (with A. Cole, M. Deichen and J. Schaus)

National Science Foundation **$1,800,000+ $100,000 in UCF match**

2012-2017 "UCF COMPASS: Convincing-Outstanding-Math-Potential-Admits-to-Succeed-in-STEM" (with C. Young [PI], M. Georgiopoulos, A. Daire and M. Dagley-Falls)

Workforce Central Florida **$147,000**

2011-2012 "STEM: Persistence and Female Mentorship Programs for Undergraduates" (with M. Georgiopoulos [PI], C. Young and M. Dagley-Falls).

Workforce Central Florida **$274,500**

2011-2012 "STEM Research/Subsidized Employment for Undergraduates" (with M. Georgiopoulos and M. Aldarondo-Jeffries).

Workforce Central Florida **$700,000**

2010-2012 "New and Emerging Research/Subsidized Employment for Undergraduates" (with M. Georgiopoulos [PI], M. Aldarondo-Jeffries. S. Dressler and Jackie Herold).

U.S. Fish and Wildlife Service **$22,929**

2010-2013 "Assessment and Conservation Genetics of the Atlantic Saltmarsh Snake".

Workforce Central Florida **$130,850**

2010-2011 "STEM Research/Subsidized Employment for Undergraduates" (with M. Georgiopoulos [PI]).

Workforce Central Florida **$88,000**

2010 "ARRA: Work Experiences for STEM Undergraduate Students at the University of Central Florida" (with M. Georgiopoulos [PI]).

Florida Fish and Wildlife Conservation Commission **$11,852**

2008 "Conservation genetics of Atlantic Coast Beach Mice"

LIFE at UCF **$1,150**

2008 "Conservation of imperiled snakes on UCF's main campus"

National Science Foundation **$1,800,000+$329,312 in UCF match**

2005-2012 "UCF STEP Pathways to STEM: From Promise to Prominence" (with M. Georgiopoulos [PI], C. Young [Co-PI], and others)

National Science Foundation **$50,000**

2005-2010 "Collaborative Research: SCC Advance: Strengthening the Foundation of STEM Education for Seminole Community College" (with M. Georgiopoulos [PI] and others).

U.S. Fish and Wildlife Service **$137,241**

2005-2008 "A Range Wide Evaluation of the Impact of Hurricane Activity in 2004 on the Status of the Southeastern Beach Mouse" (with I.J. Stout [PI] and J. Roth)

FUNDED RESEARCH PROJECTS continued

U.S. Fish and Wildlife Service **$127,691**
2005-2008 "Population viability analysis of *Polygonella myriophylla* in roads and Florida scrub with different times since fire." (with P. Quintana-Ascencio [PI])

Caribbean Conservation Corporation **$13,193**
2005-2006 "Integrative Marine Turtle Conservation in Florida and the Middle East."

National Science Foundation **$130,984**
2004-2007 "Collaborative Research: Phylogeny of New and Old World Venomous Coralsnakes." (with Eric Smith and Jonathan Campbell at UTA)

Patrick Air Force Base **$379,803**
2003-2006 Distribution and Abundance of the Southeastern Beach Mouse (*Peromyscus polionotus niveiventris*) on the Cape Canaveral Air Force Station" (with I.J. Stout [PI] and J. Roth)

Caribbean Conservation Corporation **$15,050**
2003-2004 "The Genetic Identity and Global Significance of Juvenile Loggerhead Turtles in the Indian River Lagoon."

University of Central Florida, Office of Research **$7,500**
2003-2004 "Forest fragmentation and population connectivity: conservation implications for Brazilian vipers in Atlantic Coastal Forests"

National Geographic Research and Exploration Fund **$23,000**
2002-2003 "Project Jararaca: Conservation and ecology of endangered Brazilian vipers" (with K. Zamudio[PI] and M. Martins)

Women in Science Collaboration (WISC) NSF-AAAS **$8,000**
2002-2003 "Conservation genetics and ecology of endangered Brazilian vipers" (with K. Zamudio [PI])

University of Central Florida, Office of Research, Undergraduate Research Initiative **$1,960**
2002-2003 "The Genetic Structure of *Rhineura floridana*"
U.S. National Park Service **$1,831**
2002-2003 "Genetic identification of *Mus* populations on Buck Island, Buck Island National Monument"

Florida Fish and Wildlife Conservation Commission (FWC) **$31,761**
2002-2003 "The transmissibility and diversity of marine turtle viruses: searching for evidence of vertical transmission and novel Herpesviruses"

Carnegie Museum of Natural History **$~2,500**
2001 "Evolution within Brazilian Snake fauna"

Carnegie Museum of Natural History **$~2,500**
2000 "Phylogeography of two critically endangered insular pitvipers from the Atlantic coast of Southeastern Brazil"

National Institute of Health, National Research Service Award (NRSA) **$67,000**
1998-2000 "Accelerated Evolution of Plant Mitochondrial DNA"

FUNDED RESEARCH PROJECTS continued

Institute for Environmental and Sustainable Development, University of Louisville **$500**
1994 "Phylogeny of the African Stiletto Snake: *Atractaspis*"

Institute for Environmental and Sustainable Development, University of Louisville **$500**
1993 "A new source of DNA for molecular systematic studies, and is the snake genus *Porthidium* natural?"

Sigma Xi **$375**
1993 "The molecular systematics of the Family Viperidae as determined by partial mt rRNA sequence data."

The Center for Environmental Studies, The University of Louisville **$2,500**
1993-1994 "Research and course development in tropical biology" (with J. Thorpe)

Society for the Study of Amphibians and Reptiles **$345**
1992 "The Relationships within the *Agkistrodon* complex (Viperidae: Crotalinae) as determined by DNA-DNA hybridization"

FUNDED RESEARCH/TRAVEL/FELLOWSHIPS AND AWARDS GARNERED BY MY TRAINEE'S (#Postdoctoral Scholar, *undergraduate, ∞ graduate)

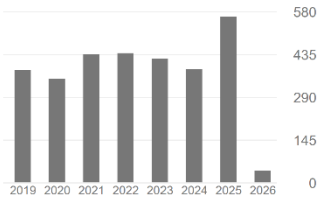
2025 ∞Cornell, T. Grant in Aid of Research – *Orianne Society* **$2500**
2025 ∞Cornell, T. Grant in Aid of Research – *Science Student Advisory Board (SciSAB)* **$1000**
2025 ∞Rosales, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$603**
2025 ∞Rosales, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2025 ∞McTernan, M. Dr. Harry and Catherine T. Findley Endowment– *Clemson University* **$2,750**
2025 ∞Fowler, JH. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2025 ∞Fowler, JH. Grant in Aid of Research – *Science Student Advisory Board (SciSAB)* **$1000**
2024 ∞Rosales, R. Dr. Harry and Catherine T. Findley Endowment. – *Clemson University* **$2660**
2024 ∞Rosales, R. SSAR GANS Travel Grant – *Society for the Study of Reptiles and Amphibians* **$800**
2024 ∞Rosales, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2024 ∞Heptinstall, T. Sigma Xi-GIAR – **$1000**
2024 ∞McTernan, M. Sigma Xi-GIAR – **$1000**
2023 ∞McTernan, M. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2023 ∞Heptinstall, T. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2023 ∞Heptinstall, T. SSAR GANS Travel Grant – *Society for the Study of Reptiles and Amphibians* **$800**
2022 ∞Schramer, T. David L. Stephan Grant in Herpetology – North Carolina Herpetological Society **$1000**
2021 ∞Schramer, T. NSF GRFP – **$144,000**
2021 ∞Schramer, T. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2021 ∞Rautsaw, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$1000**
2021 ∞Rosales, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$1000**
2021 ∞Rautsaw, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2021 ∞Mellor, NJ. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2020 ∞Rautsaw, R. Graduate Travel Grant – *Clemson University Graduate Student Government* **$750**
2020 ∞Rautsaw, R. Howard McCarley Research Award – *Southwestern Association of Naturalists* **$1,000**
2020 ∞Schramer, T. The Chicago Herpetological Society (Conservation) **$1,000**
2019 ∞Rautsaw, R. E.E. Williams Research Grant – *Herpetologists' League* **$1,000**
2019 ∞Rautsaw, R. Graduate Student Research Awards – *Society of Systematic Biology* **$2,000**
2019 ∞Rautsaw, R. Klauber Summer Research Grant – Southwestern Center for Herpetological Research **$250.00**
2019 ∞Rautsaw, R. Best Student Herpetology Paper Award for 2018. ASIH Copeia
2019 ∞Rautsaw, R. BioOne Ambassador Award. 1 of 5 awardees Worldwide.
2019 #Magres, M. Theodore Roosevelt Memorial Fund $3500.00

FUNDED RESEARCH/TRAVEL/FELLOWSHIPS AND AWARDS GARNERED BY MY TRAINEE'S (#Postdoctoral Scholar, *undergraduate, ∞ graduate)

2019 ∞Rautsaw, R. Travel award to Mexico Viper Congress in Aguascalientes. CU Grad. School **$1000**
2019 ∞Rautsaw, R. Travel award to Biology of Pitvipers. CU Grad. School **$750**
2019 ∞Stiers, E. Travel award to Biology of Pitvipers. CU Grad. School **$1000**
2019 ∞Mason, A. Travel to the Evolution Meeting. CU Graduate School **$1000**
2019 ∞Hofmann, E. Field work in South Africa. CU Graduate School **$1000**
2018 ∞Hofmann, E. CU Open Access Publication fund~$**850**
2018 ∞Hofmann, E. Venomous Snake Symposium Student Travel Award. ~$**175**
2018 ∞Rautsaw, R. Venomous Snake Symposium Student Travel Award. ~$**175**
2017 ∞Mercier, K.P. Graduate Presentation Fellowship: UCF College of Graduate Studies **$500**
2017 ∞Mercier, K.P. Student Travel Award: UCF Department of Biology **$800**
2017 ∞Mason, A.J. Special Department Travel Award, Biology Department, UCF: International Fieldwork and Collaborative Training in Honduras, **$800**
2016 ∞Rautsaw, R. ASIH Student Travel Award. ~$**600**
2016 ∞Strickland, J.L. Partial Scholarship from the World Congress of Herpetology to attend the 8th World Congress of Herpetology in Hangzhou, China. **~$2000**
2016 ∞Mason, A.J. Elucidating selective forces and molecular mechanisms driving venom evolution in palm-pitvipers. Theodore Roosevelt Memorial Grant for **$3,500**
2016 *Baylac, M. Phylogeography of Mole Skinks, *Plestiodon egregius*, in Florida. UCF Office of Undergraduate Research Grant for **$500**
2016 ∞Mason, A. J. Investigating the Venom of an Undescribed Palm-Pitviper in the Montane Cloud Forests of Costa Rica. The Explorers Club Exploration Fund-Mamont Scholars Program Grant for **$1,250**
2016 ∞Mason, A. J. Selective Forces and Genetics of Venom Evolution in Palm-Pitvipers. Southwestern Association of Naturalists McCarley Student Research Award for **$1,000**
2016 ∞Strickland, J.L. Travel award to attend World Congress of Herpetology in Hangzhou, China in August, 2016. **$~1500.**
2016 *Osorio, A. and H. Dahn*. OUR Travel Award to attend SWAN meeting in Mexico City **$800**.
2016 *Dahn, H. Bruce Stewart Travel Award to attend SWAN meeting in Mexico City, Mx. **$560**.
2016 *Osorio, A. Bruce Stewart Travel Award to attend SWAN meeting in Mexico City. **$560**.
2016 ∞Mason, A.M. Investigating the venom of an undescribed palm-pitviper in the montane cloud forests of Costa Rica. The Explorers Club Exploration Fund-Mamont Scholars Program Grant for $1,250
2015 ∞Strickland, J.L. Convergent evolution within a species? Hemotoxic venom in Mojave Rattlesnakes from Mexico and Arizona. Theodore Roosevelt Memorial Grant for $**3692**
2014 ∞Strickland, J. Snake Speciation in the Deming Plains Prairie of the Southwestern U.S. Prairie Biotic Research Inc. **$1000**
2014 ∞Strickland, J. Venom Evolution in Rattlesnakes of the Southwestern U.S. Southwestern Association of Naturalists' Howard McCarley Student Research Grant. **$1000**
2014 *Dahn, H. Examining Specific and Subspecific Diversity Within Two Monotypic Snake Genera. Southwestern Association of Naturalists' Howard McCarley Student Research Grant. **$1000**
2014 *Dahn, H. Examining Specific and Subspecific Diversity Within Two Monotypic Snake Genera. Chicago Herpetological Society Undergraduate Research Grant. **$1000**
2014 *Dahn, H. Examining Specific and Subspecific Diversity Within Two Monotypic Snake Genera. Theodore Roosevelt Memorial Grant. **$2500**
2014 *Dahn, H. Testing a Common Phylogeographic Break Using Two Desert Snakes. UCF Undergraduate Student Research Grant. **$500**
2014 *Dahn, H. Testing a Common Phylogeographic Break Using Two Desert Snakes. Sigma Xi. **$1000**
2014 *Dahn, H. Assessing Gene Flow Between Divergent Populations of Two Desert Snakes Through the Cochise Filter Barrier. Explorers Club Youth Activity Fund Grant. **$2500**

PUBLICATION INDICES AS CALCULATED BY GOOGLE SCHOLAR on 02/16/2026.

Overall Citations: 7853 h-index: 44 i10-index: 78



PUBLICATIONS

(#Postdoctoral scholar, students underlined, *undergraduate, ∞ graduate)

Peer Reviewed ISI Journal Articles:

103. *submitted.* ∞Fowler J. H., R. A. Rosales García∞, R. M. Rautsaw, M. P. Hogan, E. P. Hofmann, A. J. Mason, R. Nagesan, M. Borja, L. Herrera, G. Castañeda-Gaytán, A. R. Davis Rabosky, D. R Rokyta, **C. L. Parkinson**. Inter and intraspecific venom variation in the reclusive rear-fanged Black-striped snakes (*Coniophanes*). Toxins.

102. *submitted.* Farleigh, K., D.K. Highland, M.G. Alderman, Y.Z. Francioli, S.R. Hirst, Ellie M. Faber, B.W. Perry, M.L. Holding, G. Castañeda-Gaytán, M. Borja, H. Franz-Chávez, **C.L. Parkinson**, J.L. Strickland, M.J. Margres, S.P. Mackessy, J.M. Meik, T.A. Castoe, and D.R. Schield. Evolution of genome-wide barriers to gene flow during complex speciation in rattlesnakes. Submitted to *PNAS*.

101. *Accepted.* Ward, M.J., S.A. Ellsworth, E.G. King, E. Ng'oma, G.S. Nystrom, K.C. Lawrence, L. Maquet-Diafouka, A. Oliver, M.J. Margres, **C.L. Parkinson**, K.A. Hughes, and D.R. Rokyta. Venom resistance genetics magnifies biomedical and coevolutionary discovery. *Mol.Bio.Evol.* – [IF=15]

100. *Accepted*. Hirst, S.R., C.M. VanHorn, H. Franz-Chávez, V. Vásquez-Cruz, A. Kelly-Hernández, R. Alejandro Rosales-García∞, G. Castãneda-Gaytán, M. Borja, **C.L. Parkinson**, J.L. Strickland, and M.J. Margres. Lack of an Ontogenetic Shift in *Crotalus enyo cerralvensis* Venom Supports Integration of Cranial Morphology and Venom Expression in Rattlesnakes. *Western North American Naturalist*

99. Buontempo, M.J., P. Lavretsky, R.M. Rautsaw, L.M. McFaland, R. A. Rosales-García∞, J.L. Strickland, M. Borja, J. Jones, R. Ramírez-Chaparro, R.W. Bryson, **C.L. Parkinson**, and M.G. Harvey. 2026 Evolutionary history of Ridge-nosed Rattlesnakes (*Crotalus willardi*): a specialized and diverse montane species. *Molecular Phylogenetics and Evolution 217:*– [IF=3.6] https://doi.org/10.1016/j.ympev.2025.108522

98. Mason, A.J., P.G. Nachtigall, D.R. Rokyta, **C.L. Parkinson**, F.G. Grazziotin, I.L.M. Junqueira de Azevedo and H.L. Gibbs. 2025. Molecular mechanisms underlying early functional divergence in snake venom inferred from the genomes of two pitviper lineages. *BMC Biology.* 23:366– [IF=] https://doi.org/10.1186/s12915-025-02465-8

97. *Returned from review, invited to resubmit.* ∞Mason, A.J., C.R. Vásquez-Almazán, J.H. Townsend, L. Herrera-B., M. Borja, M. Sasa, and **C.L. Parkinson**. Toxins in the trees: Gene family dynamics and the evolution of gene expression in palm-pitvipers. *Systematic Biology*

96. Melendez-Martinez, D., A. Morales-Martinez, I.V. Almanza-Campos, F. Sierra-Valdez, M. Borja, A. Carbajal-Saucedo, and **C.L. Parkinson** and J. Benavides. 2025. Snake venom defensins: defining the structural and functional characteristics of the toxin family. *Journal of Structural Biology: X* . [IF=3.5]. https://doi.org/10.1016/j.yjsbx.2025.100129

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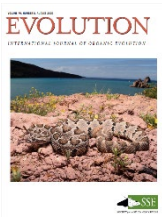

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85. ∞Napolitano, J.M., S. Srikanth, R.E. Noorai#, S. Wilson#, K.E. Williams, R.A. Rosales-Garcia∞, B. Krueger, C. Emerson, S. Parker, J. Pruitt, R. Dango, L. Iyer, A. Shafi, I. Jayawardena, **C.L. Parkinson**, C. McMahan, L. Rennert, C.A Peng, D. Dean. 2024. SARS-CoV-2 variant introduction following spring break travel and transmission mitigation strategies. *Plos One* – [IF=3.7] https://doi.org/10.1371/journal.pone.0301225

84. Hogan, M.P., M.L. Holding, G.S. Nystrom, T.J. Colston, D.A. Bartlett, A.J. Mason, S.A. Ellsworth, R.M. Rautsaw∞, K.C. Lawrence, J.L. Strickland, B. He, P. Fraser, M.J. Margres, D. Gilbert, H.L. Gibbs, **C.L. Parkinson** and D.R. Rokyta. 2024. The genetic regulatory architecture and epigenetic basis for age-related changes in rattlesnake venom. *Proceedings of the National Academy of Sciences U. S. A. 121:16* – [IF=11.1] https://www.pnas.org/doi/10.1073/pnas.2313440121

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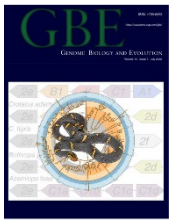

77. #Myers, E. A., J. L. Strickland#, R. M. Rautsaw∞, A. J. Mason∞, T. Schramer∞, G. S., Nystrom, M.P. Hogan, S. Yoseph, D. R. Rokyta, and **C. L. Parkinson**. 2022. De Novo Genome Assembly Illuminates Venom Evolution in Fea's Viper (*Azemiops feae*). *Genome Biology and Evolution*. https://doi.org/10.1093/gbe/evac082 [IF=3.46]

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70 #Holding, M.L., J.L. Strickland#, R.M. Rautsaw∞, E.P. Hofmann∞, A.J. Mason∞, M.P. Hogan, G.S. Nystrom, S.A. Ellsworth, T.J. Colston, M. Borja, G. Castañeda-Gaytán, C.I. Grünwald, J.M. Jones, L. Freitas-de-Sousa, V.L. Viala, M.J. Margres, F.G. Grazziotin, I.L.M. Junqueira-de-Azevedo, A.M. Moura-da-Silva, E. Hingst-Zaher, H.L. Gibbs, D.R. Rokyta, **C.L. Parkinson**. 2021. Phylogenetically diverse diets favor more complex venoms in North American pitvipers. *Proceedings of the National Academy of Sciences U. S. A.* 18 (17) e2015579118; https://doi.org/10.1073/pnas.2015579118 – [IF=9.4] Media and Press: Clemson Story, Press-News, ScienceBlog, PhysOrg, SciTech daily

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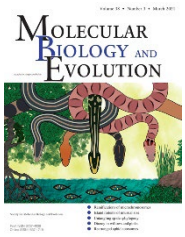

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66. Bayona-Serrano, J.D., Viala, V.L., ∞Rautsaw, R.M., ∞Schramer ,T.D., Barros, G., Junior M.Y.N., Sousa, L., Moura-da-Silva, A.M., **Parkinson, C.L.**, Grazziotin, F.G., and I.L.M. Junqueira-de-Azevedo. 2020. Metalloproteinase replacement and parallel structural simplification maintain venom phenotypes in diverse groups of rear-fanged snakes. *Molecular Biology and Evolution.* 37, 3563–3575 [IF=11.0]. https://doi.org/10.1093/molbev/msaa192

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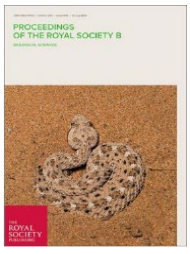

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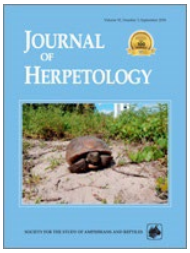
54. ∞Martin, S.A., R.M. Rautsaw∞, M.R. Bolt, **C.L. Parkinson**, and R.A. Seigel. 2018. Estimating the response of wildlife communities to coastal dune construction. *Ocean & Coastal Management* 161 (1) 31-36. https://doi.org/10.1016/j.ocecoaman.2018.04.021. [IF=2.3]

53. ∞Strickland, J.L., A.J. Mason∞, D. Rokyta and **C.L. Parkinson**. 2018. Phenotypic variation in Mojave Rattlesnake (*Crotalus scutulatus*) venom is driven by four toxin families. *Toxins* 10 (4). doi:10.3390/toxins10040135. [IF=3.27]

PUBLICATIONS (#Postdoctoral Scholar, students underlined, *undergraduate, ∞ graduate) continued



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50. ∞Rautsaw, R.M., S.A. Martin∞, B.A. Vincent*, K. Lanctot*, M.R. Bolt, R.A. Siegel, and **C.L. Parkinson**. Stopped dead in their tracks: The impact of railways on Testudine movement and behavior. *Copeia* 2018 (1) 135-143. 2018 **Best Student Paper in Herpetology**. **BioONE Ambassador Award winner.** [IF=1.2]

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45. ∞Martin, S.A., R.M. Rautsaw∞, M.R. Bolt, **C.L. Parkinson**, and R.A. Seigel. 2017. Adapting Wildlife Management to Climate Change: Response of an Ecosystem Engineer to Dune Construction. Submitted to the *Journal of Wildlife Management* 80(6): 982-989. doi: 10.1002/jwmg.21275

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PUBLICATIONS (#Postdoctoral Scholar, students underlined, *undergraduate, ∞ graduate) continued

41. ∞Strickland, J.L., *Carter, S., Kraus, F., and **C.L. Parkinson.** 2016 Snake evolution in Melanesia: origin of the Hydrophiinae (Serpentes, Elapidae), and the evolutionary history of the enigmatic New Guinean elapid Toxicocalamus. *Zoological Journal of the Linnean Society.* DOI: 10.1111/zoj.12423

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PUBLICATIONS (#Postdoctoral Scholar, students underlined, *undergraduate, ∞ graduate) continued

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20. ∞Castoe, T.A., C.L. Spencer, and **C. L. Parkinson.** (2007) Phylogeographic Structure and Historical Demography of the Western Diamondback Rattlesnake (*Crotalus atrox*): a Perspective on North American Desert Biogeography. *Molecular Phylogenetics and Evolution*. **43**:193-212.

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18. ∞Reece, J.S., L.M. Ehrhart, **C.L. Parkinson**. (2006) Mixed Stock Analysis of Juvenile Loggerhead Turtles in the Indian River Lagoon and Implications for Marine Turtle Conservation Planning. *Conservation Genetics* **7**:345-352.

17. **Parkinson, C.L.** J.P. Mower∞, Y-L. Qiu, A.J. Shirk∞, K. Song, N.D. Young, C.W. dePamphilis and J.D. Palmer. (2005) Multiple Major Increases and Decreases in Mitochondrial Substitution Rates in the Plant Family Geraniaceae. *BMC Evolutionary Biology* **5**:73

16. Wiens, J.J., J.W. Fetzner, **C.L. Parkinson**, and T.W. Reeder. (2005) Hylid Frog Phylogeny and Sampling Strategies for Speciose Clades. *Systematic Biology.* **54**:719–748.

15. ∞Castoe, T.A., M.M. Sasa, and **C.L. Parkinson**. (2005) Modeling Nucleotide Evolution at the Mesoscale: The Phylogeny of the Neotropical Pitvipers of the *Porthidium* Group (Viperidae). *Molecular Phylogenetics and Evolution* **37**:881-898.

14 ∞Herron, M.D., J.M. Waterman, and **C.L. Parkinson**. (2005) Phylogeny and Historical Biogeography of African Ground Squirrels: The Role of Climate Change in the Evolution of *Xerus*. *Molecular Ecology* **14**:2773-2788.

13. *Mulvaney, A., T.A. Castoe∞, K.G. Ashton, K.L. Krysko, and **C.L. Parkinson**. (2005) Population Genetic Structure within the Florida Worm Lizard, *Rhineura floridana* (Amphisbaenia: Rhineuridae): Biogeographic, Taxonomic, and Conservation Implications. *Journal of Herpetology*. **39**:118-124.

12. ∞Reece, J.S., T.A. Castoe∞, and **C.L. Parkinson**. (2005) Historical Perspectives on Population Genetics and Conservation of Three Marine Turtle Species. *Conservation Genetics* **6**: 235-251.

11. ∞Castoe, T.A., T.M. Doan, and **C.L. Parkinson**. (2004) Data Partitions and Complex Models in Bayesian Analysis: The Phylogeny of Gymnophthalmid Lizards. *Systematic Biology*. **53:** 448-469.

10. ∞Herron, M.D., T.A. Castoe∞, and **C.L. Parkinson**. (2004) Sciurid Phylogeny and the Paraphyly of Holarctic Ground Squirrels (*Spermophilus*). *Molecular Phylogenetics and Evolution.* **31**: 1015-1030.

9. Herrmann, H.W, T. Ziegler, A. Malhotra, R. Thorpe, and **C.L. Parkinson**. (2004) Redescription and Systematics of *Trimeresurus cornutus* (Serpentes: Viperidae) Based on Morphology and Molecular data. *Herpetologica* **60:** 211–221.

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8. ∞Castoe, T.A., P. Chippindale, J. Campbell, L. K. Ammerman, and **C. L. Parkinson**. (2003) Evolutionary Relationships of the Middle American Jumping Pitvipers (Genus *Atropoides*) and Phylogeography of the *Atropoides nummifer* complex. *Herpetologica*. **49**:421-432.

7. Daniell, H. and **C. L. Parkinson**. (2003) Jumping Genes and Containment. *Nature Biotechnology* **21**: 374-375.

6. Nickrent, D.L., **C.L. Parkinson**, J.D. Palmer, and R.J. Duff. (2000) Multigene Phylogeny of Land Plants with Special Reference to Bryophytes and the Earliest Land Plants. *Molecular Biology and Evolution* **17:** 1885-1895.

5. Palmer, J.D., K.L. Adams, Y. Cho, **C.L. Parkinson,** Y.-L. Qiu and K. Song. (2000) Dynamic Evolution of Plant Mitochondrial Genomes: Mobile Genes and Introns, and Highly Variable Mutation Rates. *Proceedings of the National Academy of Sciences U. S. A.* **97:**6960-6966.

4. **Parkinson, C.L.**, K.R. Zamudio, and H.W. Greene. (2000) Phylogeography of the Pitviper Clade *Agkistrodon*: Historical Ecology, Species Status, and Conservation of the Cantils. *Molecular Ecology* **9:**411-420

3. Chaw, S-M., **C.L. Parkinson**, Y. Cheng, T.M. Vincent*, and J.D. Palmer. (2000) Seed Plant Phylogeny Inferred from all Three Plant Genomes: Monophyly of Extant Gymnosperms and Origin of Gnetales from Conifers. *Proceedings of the National Academy of Sciences U. S. A.* **97**:4086-4091.

2. **Parkinson C.L.**, K.L. Adams, and J.D. Palmer. (1999) Multigene Analyses Identify the Three Earliest Lineages of Extant Flowering Plants. *Current Biology* **9**:1485-1488. **Note: Featured Cover of the Journal Article.**

1. **Parkinson, C.L.** (1999) The Molecular Systematics and Biogeography of the Subfamily Crotalinae as Determined by mtDNA Sequences. *Copeia* 1999 pp. 576-586.

PEER REVIEWED HERPETOLOGICAL NOTES (#Postdoctoral Scholar, students underlined, *undergraduate, ∞ graduate)

5. Franz-Chávez, H., R. Ramírez-Chaparro, T. Pérez-Fiol, D.E. López-Martínez, R.M. Rautsaw, S.R. Hirst, B. Rodriguez-Lopez, M. Borja, G. Castañeda-Gaytán, J.L Strickland, **C.L. Parkinson**, J. Reyes-Velasco and M.J. Margres. 2023. Mexican Geographical Distribution Notes 6: New Herpetological Records for Islands in the Gulf of California. *Bulletin of the Chicago Herpetological Society* 58(8):129-130.

4. ∞Hofmann EP, ∞Mason AJ, Townsend JH, Galeano CA, Vindel JA, and **CL Parkinson**. 2019. Natural History: *Rhadinella kinkelini* (Kinkelin's Graceful Brown Snake): Reproduction and Range Extension. *Herpetological Review* 50(2) 402. [IF=0.2]

3. ∞Hofmann EP, Herrera-B. L, Murillo EO, Castro JA, ∞Mason AJ, **CL Parkinson**, Townsend JH. 2019. Rediscovery of the Honduran endemic *Diploglossus scansorius* (*Squamata: Diploglossidae),* with description of the first known juvenile specimen from a new locality in north-central Honduras. *Phyllomedusa* 18(2) 255-258. [IF=0.13]

2. ∞Rautsaw, R., M. #Holding, J.L. Strickland∞, J. Castaneda-Gaytan, F. Garcia-Gonzalez, G. Castaneda-Gaytan, M. Borja-Jimenez∞, and **C.L. Parkinson**. 2018. *Hypsiglena tanzeri* (Tanzer's Night Snake) Geographic Distribution. Herpetological Review 49(2): 287. [IF=0.2]

1. ∞Rautsaw, R.M., C.J. Yanick*, S. Medina*, **C.L. Parkinson**, S.A. Martin∞, M. R. Bolt. 2016. *Gopherus polyphemus* (Gopher Tortoise). Attempted Predation. *Herpetological Review* 47(3) 448-449.

PEER-REVIEWED BOOK CHAPTERS AND PROCEEDINGS:

4. Georgiopoulos, M., C. Young, C. Geiger, S. Hagen, **C**. **Parkinson,** A. Morrison-Shetlar, T. Crouse, P. Krist, P. Lancey, M. Dagley-Falls, P. Ramsey, D. Forde, A. Koufakou. 2009. Progress of the EXCEL Program at the University of Central Florida: An NSF STEP Funded Project *ASEE, Annual Conference and Exposition: Excellence in Education*, Austin, TX.
3. **Parkinson, C.L.,** P. Chippindale, and J. Campbell. (2002) Multigene Analyses of Pitviper Phylogeny with Comments on their Biogeographical History. *In* Biology of the Vipers (Ed by GW Schuett, M Höggren, ME Douglas, and HW Greene). Eagle Mountain Publishing, LC. Eagle Mountain, Utah.
2. Adams, K.L., K. Song, Y.-L. Qiu, A. Shirk, Y. Cho, **C.L. Parkinson,** and J.D. Palmer. (1998) Evolution of Flowering Plant Mitochondrial Genomes: Gene Content, Gene Transfer to the Nucleus, and Highly Accelerated Mutation Rates. Pages 13-18 *in* Plant Mitochondria: From Gene to Function (I.M. Moller, P. Gardestrom, K. Glimeliusand E. Glaser eds.) Backhuys Publishers, Leiden, The Netherlands.
1. **Parkinson, C.L.**, S.M. Moody, and J.E. Ahlquist. (1997) Phylogenetic Relationships of the "*Agkistrodon* Complex" Based on Mitochondrial DNA Sequence Data. Pages 63-78 *in* Venomous Snakes: Ecology, Evolution and Snakebite (R.S. Thorpe, W. Wüster and A. Malhotra, eds.) The Zoological Society of London, Clarendon Press, Oxford.

Published Technical Reports

2008 Alansari, AS, IY Mahmoud, AYA Al Kindi, J Reece, SS Al Siyabi, KS Al-Dhafry and **C.L. Parkinson**. Genetic diversity in the nesting green turtles, Chelonia mydas at Ras Al-Hadd Reserve-sultanate of Oman. NOAA Technical Memorandum NMFS SEFSC, 111

2008 Reece JS, ABY Al Kindi, A Alansari, **C.L. Parkinson**. Preliminary findings on loggerhead and green turtle population genetic structure in the Sultanate of Oman. NOAA Technical Memorandum NMFS SEFSC, 18

2008 Reece, JS, LM Ehrhart, **C.L. Parkinson**. The genetic composition of Florida's Indian River Lagoon: Its significance as a juvenile foraging ground for the western Atlantic loggerhead turtle. NOAA Technical Memorandum NMFS SEFSC, 31

COURSES TAUGHT

At Clemson University

BIOL4930 Senior Seminar-Genomics and Evolution in Society
BIOL8150 Professional Development
BIOL8070 Readings in Evolution

At the University Central Florida

PCB4678C *Evolution and Medicine*
BSC4932L *Instructional Experience in Biology*
PCB4683C *Population Biology and Evolution* now called *Evolutionary Biology*
PCB6675C *Advanced Evolutionary Biology*
PCB5556C *Conservation Genetics*
PCB6677C *Molecular Evolution*
PCB6938 *Topics in Genomics*
PCB6938 *Advanced Systematics*
IDS7919 *Biomolecular Core Course*- (4 lectures)
BSC5937 *Tropical Conservation and Research*

COURSES TAUGHT INTERNATIONALLY

2006 BSC5937 *Tropical Conservation and Research*- Seven day portion taught in Belize.

2005 *Conservation Genetics and Phylogenetics*, 5 day graduate-level intensive course taught at the Universidad de Antioquia, Medellín, Colombia. This course was part of a Colombian Government program to bring international experts to lecture at their Universities trying to broaden the education of their graduate students. All costs were paid by the Colombian government.

2000 *Tropical Biology*, 2 week field course in Costa Rica- Indiana University

1995 *Tropical Biology*, 2 week field course in Costa Rica- University of Louisville

INTERNATIONAL STUDENT/FACULTY HOSTED RESEARCHERS

Many Latin American Universities require their Ph.D. students to spend time abroad. These students chose me as their international host as part of their Ph.D. educational experience. I also list international faculty that visit our lab for a research stay

Dr. Miguel Borja (Universidad Juárez del Estado de Durango, México)
Dr. Vivian Trevine (Instituto Butantan, Brasil)
Monica Saldarriaga (University of Chile)
Adriana Restrepo (University of Antioquia, Colombia)

RESEARCH TECHNICIANS SUPERVISED

Roberta Canton, Ph.D. (Tech) 11/2025-
Maslyn Green, Ph.D. (Tech) 8/2023-7/2025
Sabrina Salley, (Tech) 12/2022-2/2023
Kaitlyn William, (Tech) 2/2021-3/2023.
Jaime Randise, (Tech) 12/2018-11/2020
Kathryn P. Mercier, (Tech) 8/2017-2018.
Haakon Kalkvik, (Tech) 2005-2006
Jacob Degner, (Tech) 2004-2005

POST-DOCTORAL and STAFF RESEARCHERS MENTORED

(10) Elio Maximiliano Ortiz, Ph.D. 12/15/22-pres. Research Associate
(9) Edward Myers, Ph.D. 1/4/2021-1/2023. Post-doctoral Scholar- Cal. Acad. Sci.
(8) Stevin Wilson, Ph.D. 7/2020-3/2022, Bioinformatician- Illumina
(7) Rooksana Noorai, Ph.D. 6/2018-pres. Staff Scientist
(6) Andrew J. Mason, Ph.D. 5/2020-7/20. Post-doctoral Scholar. Bioinformaticist, PacBio
(5) Vijay Shankar, Ph.D. 6/2018-1/2019. Bioinformatician. CU Institute for Human Genetics
(4) Jason Strickland, Ph.D. 7/2018-7/2020. Assistant Prof. University of South Alabama
(3) Mark Margres, Ph.D. 7/2018-9/2019. Assistant Prof. University of South Florida
(2) Mathew Holding, Ph.D. 5/2017-4/2018. Post-doc University of Michigan
(1) Jeffrey Van Zant, Ph.D. 2006-2008 Assoc. Prof. Hillsdale College

GRADUATE STUDENTS SUPERVISED (Chair or Co-Chair)

Ph.D.

(15) Matthew McTernan**,** Biological Sciences- current.
(14) Diego Quirola, Biological Sciences-current.
13) John Henry Fowler, Biological Sciences-current.
(12) Jason Joines, Biological Sciences (co-advisor w/ Dr. S. DeWalt)- graduated 8/2025.
(11) Ramses Rosales, Biological Sciences-current. Fulbright Scholar Award Winner-
Neil Balchan, Biological Sciences-removed from the program
(10) Rhett Rautsaw, Biological Sciences-August 2022. Senior Bioinformaticist, PacBio
(9) Erich Hofmann, Biological Sciences – "left program" faculty at Cape Fear Community College
(8) Andrew Mason, Biological Sciences graduated 2020. Bioinformaticist, PacBio
(7) Jason Strickland, UCF- graduated 2018. Assistant Professor, University of South Alabama
(6) Allyson Fenwick, Conservation Biology- graduated 2012. Professor, Central Oklahoma State University
(5) Håkon M. Kalkvik, Conservation Biology-graduated August 2012 (Co-Chair Dr. I.J. Stout) Professor, Florida State College at Jacksonville.
(4) Ryan Lamers Biomedical Sciences- graduated 2011 (Co-Chair Dr. A. Cole) OLINK Proteomics
(3) Juan M. Daza, Conservation Biology-graduated 2010. Professor, University of Antioquia, Colombia
(2) Mary Beth Manjerovic, graduated 2010 Associate Professor VMI (unofficial Chair; advisor left UCF in 2009, but stayed chair until graduation-M.B. lists me as co-chair on her C.V.)
(1) Todd Castoe, Biomedical Sciences- graduated 2007. Professor, University of Texas at Arlington

M.S.

(19) Taryn Cornell, Biological Sciences-2025-pres.
(18) Thomas Buchloh, Biological Sciences - graduated 05/2025. (co-advisor w/ Dr. N. Wickett)
(17) Tucker Heptinstall, Biological Sciences - graduated 08/2024. Ph.D. student San Diego State University.
(16) Tristan Schramer, Biological Sciences - graduated 12/2022. Ph.D. student at UM- ***NSF GRFP Winner***.
(15) Nikata (Jade) Mellor, Biological Sciences - graduated 8/2022- Ph.D. Student UAB
(14) Erin Stiers, Biological Sciences -graduated 08/2020 Employed Roche Diagnostics
(13) Mark Dimeo, Biological Sciences -gradated 12/2019- teaching English in Japan
(12) Kathryn Mercier, Biology-UCF-graduated 2018 in Ph.D. City College New York
(11) Rhett Rautsaw, Biology-UCF -graduated 5/2017.
(10) Mathew Lawrence, Biology-UCF -graduated 2016.
(9) Jason Hickson, -UCF-graduated 12/2019.
(8) Greg Territo, Biology--UCF graduated 2013.
(7) Genevieve Metzger, Biology-UCF graduated 2010. Post doc in UW Seattle
Tracey Thirer, Biology- left the program.
(6) Kelly Kennedy, Biology-UCF -graduated 2008. Working as AP Biology Teacher
(5) David Calloway, Biology-UCF -graduated 2006. Vice President Nova Technologies
(4) Seethamahalakshmi Chebolu, Biology-UCF -graduated 2005
(3) Joshua Reece, Biology--UCF graduated 2005. Lecturer, Fresno State University
(2) Matthew D. Herron, Biology--UCF graduated 2004 NSF Program Officer
(1) Rachel (Hirschmann) Fischer Ph.D., Associate Program manager, Science at Amplify

GRADUATE STUDENT COMMITTEE Member at Clemson

Saidat Adeniran-Obey **Ph.D.** Biological Sciences Clemson University (Major Professor: Dr. J. George)
Alessandro Rocchi, **M.S.** Biological Sciences Clemson University (Major Professor: Dr. Z. Dou)
Meredith Cobb, **M.S.** Plant and Environmental Sciences – graduated 2025. (Major Prof. Norm Wickett)
Tara Cronin, **Ph.D.** Biological Sciences Clemson University (Major Professor: Dr. M. Childress)
Zachary Burton, **M.S.** Microbiology – graduated 2021. Clemson University **(**Major Professor: Harry Kurtz)
Leah Delorenzo **Ph.D.** Biological Sciences Clemson University – graduated 2023. (Major Professor: Dr. K Powder)
Brett Frye **Ph.D.** Biological Sciences – graduated 2019. Clemson University (Major Professor: Dr. M. Sears)

GRADUATE STUDENT COMMITTEE Member at UCF

Miles Zhang **Ph.D.** Conservation Biology. Moved to Clemson (Major Professor: Dr. B. Sharanowski)
Gina Ferrie **Ph.D.** Conservation Biology- graduated 2017. (Major Professor: Dr. E. Hoffman)
Muthukrishnan Gowrishankar, **Ph.D.** Biomedical Sciences- graduated 2014 (Major Professor: Dr. A. Cole)
Matthew Wood **Ph.D.** Biomedical Sciences- graduated 2014 (Major Professor: Dr. A. Cole)
Paul Cohill, **Ph.D.** Biomedical Sciences- expelled (Major Professor: Dr. VonKalm)
Michelle Alvarez, **Ph.D.** Biomolecular Sciences- graduated 2007 (Major Professor: Dr. J. Ballantyne)
Ravi Vijaya Satya, **Ph.D.** Computer Science- graduated 2006 (Major Professor: Dr. A. Mukherjee)
Kim Arnaldi, **M.S.** Biology- graduated 2016. (Major Professor: Dr. E. Hoffman)
Allexa Trujullo, **M.S.** Biology- graduated 2015. (Major Professor: Dr. E. Hoffman)
Vicki Villanova, **M.S.** Biology- graduated 2015. (Major Professor: Dr. E. Hoffman)
Sandor Kelly, **M.S.** Biology- graduated 2011. (Major Professor: Dr.Jenkins)
Sarah Johnson, **M.S.** Biology- graduated 2011. (Major Professor: Dr. E. Hoffman)
Leilani Bongao Pasicolan, **M.S.** Biology- graduated 2010 (Major Professor: Dr. W. Crampton)

Rosanna Tursi, **M.S.** Biology- graduated 2010 (Major Professor: Dr. E. Hoffman)
Tyler Hether, **M.S.** Biology- graduated 2010 (Major Professor: Dr. E. Hoffman)
Jacob Degner, **M.S.** Biology- switched to Eric Hoffman 2006- graduated 2007
David Rogers, **M.S.** Biology- graduated 2008 (Major Professor: Dr. C. Calestani)
Kristina Horn, **M.S.** Biology- graduated 2007
Kit Furhman, **M.S.** Micro and Molecular Biology- graduated 2007 (Major Professor: Dr.A. Cole)
Jacob Degner, **M.S.** Biology graduated 2007 (Major Professor: Dr. E. Hoffman)
Tricia Stephens, **M.S.** Biology- graduated 2006 (Major Professor: Dr. C. Calestani)
Shireen Alemadi, **M.S.** Biology- graduated 2006 (Major Professor: Dr. D. Jenkins)
Christina Kittipatarin, **M.S.** Biology, graduated 2005. Finished Ph.D.
Karen Dyer, **M.S.** Biology- graduated 2005 (Major Professor: Dr. J. Stout)

UNDERGRADUATE AND HIGH SCHOOL RESEARCH STUDENTS SUPERVISED

Jamison Peebles IV, 2025
Agilan Gunalan **B.S**. Fall 2024
Esa Khan **B.S**. su 2024
Kinzie F. Hall **B.S**. sp 2024
Avery Kleptach **B.S.** 2022-2023
Erik Cody **B.S.** 2021-pres
Brady O'Boyle, **B.S.** 2019-20
Cassie Simpson, **B.S.** 2018-20
Will Rumfelt, **B.S.** 2018-21
Kirsten Brown, **B.S.** 2018-19
Anna Hewitt, **B.S.** 2018-21
Jade Mellor, **B.S.** NSF REU Sumer 2018
Rachel Radick, **B.S.** 2017-present
Milagros Baylac, **B.S.** 2016-2017
Sergio Solano **B.S.**, 2016-2017
Alexander Robertson **B.S.**, 2014 -2016
Katelyn Lanctot **B.S.**, 2016 -2017
Bridget Vincent **B.S.**, 2016 -2017
Christopher Yanick **B.S.**, 2014 -2015
James Cheak, **B.S.**, 2013-2015
Steffany Medina **B.S.**, 2014 -2017
Hollis Dahn, **B.S.**, 2012-Phd Toronto
Alejandra Osorio, **B.S.**, 2014-UF medical school
Stephanie Pruneau, **B.S.**, 2014-2015
Michael Schrum, **B.S.,** WCF 2011-2014
Ramin Beheshti, **B.S.**, 2012-14
Rachael Acuna, **B.S.**, 2012-14
Sarah Schrum, **B.S.**, 2012-13
Sharon Carter, **B.S.**, NSF-YES 2011-14
Robbie McKenna, **B.S.**, 2012
Dain Odegaard, **B.S.**, 2012
Melinda Osborne, **B.S.,** WCF-RAMP 2011/12
Jason Hickson, **B.S.,** WCF 2011
Allison Welch, **B.S.,** EXCEL 2011
Frank Schaefer, **B.S.,** EXCEL 2011
Joshua Castro, **B.S.**, WCF 2010
Kelly Diamond, **B.S.**, RAMP 2009-14
Camille Carre, High School 2010
Emily Pitcairn, **B.S.**, RAMP, graduated 2011
Tyler Carney, **B.S.**, EXCEL, RAMP grad. 2012
Cassie Dickerson, **B.S.** EXCEL
Veronica Betancourt, **B.S.** EXCEL
Greg Territo, **B.S.** Honors, Graduated 2009
Katie Rovinsky, **B.S.** 2007
Robyn Schickler, **B.S.** Graduated 2007
Genevieve Metzger, **B.S.** Graduated 2006
Jenna Evans, **B.S.** Graduated 2006 (RAMP)
Kirby Erlandson, High School 2005
Max Rotatori, High School 2005
Amy Hoover, **B.S.** past (RAMP)
Mark Putchinski, **B.S.** Graduated 2005
Zanetta Rivers, **B.S.** Graduated 2004 (RAMP)
Christopher Mchan, **B.S.** Graduated 2004
Abigail Mulvaney, **B.S.** Graduated 2003
Hussey, Christina, **B.S.** Graduated 2003
Jennifer Ramalie, **B.S.** Graduated 2003
Jessie Wheeler, **B.S.** Graduated 2003

PROFESSIONAL SOCIETIES

Sigma Xi
American Association for the Advancement of Science
Society for the Study of Amphibians and Reptiles
American Society of Ichthyologists and Herpetologists
Society for the Study of Evolution

PROFESSIONAL DEVELOPMENT IN TEACHING AND RESEARCH

Workshop on Strategic Leadership and Budgeting sponsored by FCTL at UCF 2013
Aspiring Administrators Workshop sponsored by FCTL at UCF 2012
IACUC 101/201 King of Prussia, PA 2011
Participated in training conference-sponsored by Pennsylvania Biomedical Research and OLAW
IACUC 101/201 Chicago, IL 2009
Participated in training conference-sponsored by Northwestern University, Loyola Medicine and OLAW
Faculty Center for Teaching and Learning Summer Conference *UCF* 2007.
Participated in this conference with Eric Hoffman (new junior faculty member) to synchronize the laboratory and lecture of PCB 4683, Population Biology and Evolution.

Faculty Center for Teaching and Learning Summer Conference *UCF* 2006.
Participated in this conference with Eric Hoffman (new junior faculty member) to modify and reorganize PCB 4683, Population Biology and Evolution. This is the capstone course in our curriculum, and we wanted to integrate active learning and discussions into the curriculum.
FIRST.II *Archbold Biological Station,* 2003- 2005.
Participant in an NSF-funded national project with multiple annual faculty workshops to enhance student-centered science teaching focused on instructional practices. Specifically, setting student learning goals, developing classroom assessment techniques, and implementing teaching strategies, which help faculty improve their science teaching.
Molecular Evolution Workshop *Woods Hole Marine Biological Laboratory* 1994.
Graduate student participant in educational workshop in Molecular Evolution and Systematics

PROFESSIONAL SERVICE

National Academy of Sciences, NSF and Institute for Lab Animal Research Working Group Chair and Host for the Reptile and Amphibian update to "The Guide" 2023-2025.
NSF DEB Evolutionary Processes Award Panel, Nov. 2021
NSF DEB Dimensions of Biodiversity Review Panel, May 2018.
Chair, of the Association of Ichthyologist's and Herpetologist IACUC committee 2013-present
Elected member, International Committee. World Congress of Herpetology 2012-2017
Society for the Study of Amphibians and Reptiles, Seibert Student presentation award Judge. 7th World Congress of Herpetology, Vancouver BC. 2012.
NSF DEB Systematic Biology Doctoral Dissertation Improvement Grants Panel Feb. 2011.
Slowinski Award for Excellence in Snake Systematics. Chair of the international awards committee, 2008, 2009, and 2010. This award is given by the Center for North American Herpetology in memory of Joseph B. Slowinski who was killed by snakebite at an early age conducting herpetological surveys in Myanmar.
NSF DEB Systematics Review Panel, April 2009.
Adjunct Professor of Biology, Angelo State University, San Angelo TX 2009-2011
Ad hoc Reviewer for: Belgian Journal of Zoology, Biological Conservation, Cell Reports, Conservation Genetics, Copeia, Evolution, Herpetologica, Journal of Biogeography, Journal of Herpetology, Molecular Ecology, Molecular Phylogenetics and Evolution, P.N.A.S., Systematic Biology, Toxins, Toxicon, Zoological and Journal of the Linnaean Society. 2001-present
Ad hoc Reviewer for NSF, NIH, Israel Science Foundation, The Leverhulme Trust, and the Marsden grant proposals 2001-present.
Society for the Study of Amphibians and Reptiles, Grants in aid of Research Reviewer, 2001, 2002, 2004, 2006

UNIVERSITY SERVICE

Clemson University Graduate Council Member *Clemson University* 2025/6.
Clemson University College of Veterinary Medicine Creation Advisory Committee and Dean Search Committee, *Clemson University* 2023.
College of Science member, New Life Science Building Design Team, *Clemson University* 2022
Tigers Advance; Senior Advocate, *Clemson University,* 2018-pres.
Faculty Research Advisory Board, *Clemson University,* 2017-2020
University Budget Fee Committee, *University of Central Florida*, 2015-2017.
Research Space Utilization Committee, voting member. *University of Central Florida*, 2015-2017.
Institutional Safety Council, voting member. *University of Central Florida*, 2013-2015.
Elected to the University level Promotion and Tenure Committee, *University of Central Florida*, 2013-2015- Chaired committee in 2014/15.
Chair, Institutional Animal Care and Use Committee, *University of Central Florida*, 2010-2016.
*Vice Chair***,** Institutional Animal Care and Use Committee, *University of Central Florida*, 2009-2010
Interviewed and Participated in First Year advising and Explorations short film on tips for undergraduate student success in their education.
RAMP Executive Board, *University of Central Florida*, 2004-2017
President, University of Louisville Graduate Student Association, 1994-96
University President Search Advisory Committee, *University of Louisville*, 1994-95
Secretary, University of Louisville Graduate Student Association, 1993-94

COLLEGE SERVICE

College of Veterinary Medicine Tenure and Promotion Committee, *Clemson University* 2024-2025.
College of Science, Life Sciences Building Renovation Task Force, *Clemson University* 2022
College of Science, Biological Sciences Chair Evaluation Committee, *Clemson University* 2021
College of Science Bowen Professorship recommendation *ad hoc* Com., *Clemson University* 2021
College of Science Discovery Committee, ex-officio, *Clemson University* 2019-present
College of Science Faculty Awards Committee *Clemson University* 2019
Chief of Strategy and Operations; College of Science Search Committee, *Clemson University* 2017/18
Dean's Advisory Committee, *University of Central Florida*, 2015-2016
College of Science representative for the new graduate program in Biomedical Engineering, between College of Engineering and Computer Science, COS, and College of Medicine. *University of Central Florida*, 2014-2015
Dean's advisory Council *University of Central Florida*, 2013-2017
5-Year Biology Chair Review committee, *University of Central Florida*, 2011-12
College of Science TIP procedures committee, *University of Central Florida*, 2010
Organizer, Darwin Seminar Series 2008/9 (brought in five international speakers to celebrate Darwin's legacy, ~150 people attended each seminar, advertised at both UCF and Community levels)
Dean, College of Sciences Search Committee, *University of Central Florida*, 2006
Dean, College of Sciences Search Committee, *University of Central Florida*, 2005
College of Science representative for the new interdisciplinary graduate program in Bioinformatics, between COS, College of Engineering and Computer Science and Burnett Biomedical College. *University of Central Florida*, 2006-2007
Review panel for Excellence in Research Awards, CAS, *University of Central Florida*, 2005
Undergraduate Research Council, *University of Central Florida*, 2003-2010
Institutional Animal Care and Use Committee, *University of Central Florida*, 2001-2010

DEPARTMENTAL SERVICE

Faculty Search Committee (Senior Evolutionary Biology), Clemson University, 2024
Graduate Coordinator, Dept. Biological Sciences, Clemson University, 2023-present
Graduate Program Coordinator of Biological Sciences, Clemson University, 2023-present
Evolutionary Biology Lecturer Search Committee, Clemson University, 2023
Chair, Faculty Search Committee (Dir. SC Botanical Garden/FEC hire), Clemson University, 2021

Chair, Faculty Search Committee (Senior Evolution/Ecology Biologist), Clemson University, 2021
Chairs Advisory Committee. Biological Sciences, Clemson University, 2019- Present
Chair, Tenure and Promotion Criteria rewrite Committee. Forestry and Environmental Conservation, Clemson 2019/2020
Graduate Advisory Committee, Dept. Biological Sciences, Clemson University, 2018- 2023
Merit Raise Committee, Forestry and Environmental Conservation, Clemson 2018
Chair, Faculty Search Committee (Organismal Biologist), Clemson University, 2018
Undergraduate Curriculum Committee, *University of Central Florida*, 2015-2017
Steering Committee *University of Central Florida*, 2015/16
Faculty Search Committee (Entomologist), *University of Central Florida*, 2014/15
Faculty Search Committee (Integrative Biologist), *University of Central Florida*, 2013/14
Chair, Facilities and Space Committee (Biology), *University of Central Florida*, 2012-2017
Faculty Retreat Organizing Committee, *University of Central Florida*, 2012
Chair, Faculty Search Committee (Evolution), *University of Central Florida*, 2009/2010
Policies and Procedures Committee, Dept. of Biology, *University of Central Florida,* 2007-2010
Faculty Search Committee (Evolution/Development), *University of Central Florida*, 2005
Chair, Faculty Search Committee (Population Genetics), *University of Central Florida*, 2005
Faculty Advisor, Biology Graduate Association, *University of Central Florida*, 2004
Strategic Planning Committee, Dept. of Biology, *University of Central Florida*, 2002-2010
Faculty Search Committee (Conservation Biology), *University of Central Florida*, 2002
Graduate Committee, Dept. of Biology, *University of Central Florida*, 2001-2008
Admissions Committee, Biomolecular Sciences, *University of Central Florida*, 2002-05
Conservation Biology Ph.D. Oversight Committee, *University of Central Florida*, 2003
Conservation Biology Ph.D. Curriculum Committee, *University of Central Florida*, 2003
Secretary, Biology Graduate Student Association 1992-94
Biology Chair Search Committee, *University of Louisville*, 1993

INTERNATIONAL FIELD EXPERIENCE

Starting with my graduate work, I have conducted field expeditions in Central America, South America, and South Africa on several funded research projects. I have worked in Belize, Brasil, China, Colombia, Costa Rica, Honduras, Mexico, Nicaragua, Panama, Sweden, and South Africa.

MEETING ABSTRACTS, TALKS AND PRESENTATIONS **(Postdoctoral Scholar, students underlined, *undergraduate, ∞ graduate) Last five years listed for brevity. Total= 175;**

2025 Rosales-Garcia, R. and C.L. Parkinson. Genomic insights into the Evolution of a Deadly PLA2 Neurotoxin in Pitvipers Evolution, Athens, Georgia, USA

2025 McTernan, M. The population genomics of the Eastern fence lizard (*Sceloporus undulatus*) – *South Carolina Partners in Reptile and Amphibian Conservation*

2025 McTernan, M. Genomic analyses imply growth and development under selection across climates in a widespread lizard (Sceloporus undulatus) – *Society for Integrative and Comparative Biology*

2025 McTernan, M. The phylogeography and population genomics of the Eastern fence lizard (*Sceloporus undulatus*) – *Society for Integrative and Comparative Biology*

2024 McTernan, M.R., C.L. Parkinson, M.W. Sears. Identifying genomic patterns that underlie life history in a widespread lizard. Society for Integrative and Comparative Biology Meeting. Seattle, WA.

2024 McTernan, M.R., C.L. Parkinson, M.W. Sears. Identifying genomic patterns that underlie life history patterns in a widespread lizard. South Carolina Partners in Amphibian and Reptile Conservation Meeting. Beaufort, SC.

2024 McTernan, M.R., C.L. Parkinson, M.W. Sears. Integrating genomics and biophysics to better understand climate adaptation in a widespread lizard (Sceloporus undulatus). Society for the Study of Amphibians and Reptiles Meeting. Ann Arbor, MI.

2024 Fowler, J.H. and C.L. Parkinson. 2024. Clemson University. "Novel venom transcriptomic analysis of black-striped snakes (Coniophanes) reveals extensive intra- and interspecific toxin variation despite conserved expression at the population level". Society for the Study of Amphibians and Reptiles Meeting. Ann Arbor, MI.

2024. Rosales-Garcia, R. and C.L. Parkinson. Evolución de las fosfolipasas A2 neurotóxicas en el veneno de vipéridos (Viperidae: Crotalinae) 3rd Congreso de Viperidos Mexicano y Ofidismo, Villahermosa, Tabasco, Mexico

2024. Rosales-Garcia, R. and C.L. Parkinson. Evolution of Crotoxin-like PLA2 in PitVipers Society for the Study of Amphibians and Reptiles, Ann Harbor, Michigan, USA

2024 Heptinstall T., R. Rosales-Garcia, R. Rautsaw, C. Parkinson. Toxin Variation and Complexity Within Garter Snakes (*Thamnophis*) and the Role of Diet in Shaping Toxin Diversification. Society for the Study of Amphibians and Reptiles Meeting. Ann Arbor, MI.

2024 Heptinstall T., R. Rosales-Garcia, R. Rautsaw, C. Parkinson. Venom Complexity of Garter Snakes (*Thamnophis*) and the Role of Diet in Toxin Diversification. South Carolina Partners in Amphibian and Reptile Conservation Annual Meeting. Beaufort, SC.

2023 Parkinson, CL. The genomic landscape and the evolution of New World pitvipers and their venoms. Joint Meeting of Ichthyologists and Herpetologists Annual Meeting. Norfolk, VA.

2023 Heptinstall T., R. Rosales-Garcia, R. Rautsaw, C. Parkinson. Venom Complexity of Garter Snakes (*Thamnophis*) and the Role of Diet in Toxin Diversification. Joint Meeting of Ichthyologists and Herpetologists Annual Meeting. Norfolk, VA.

2023 N.J. Mellor, R. Rautsaw, E.A. Myers, M.J. Margres, K.P. Wray, D. Rokyta, C.L. Parkinson. Examining the presence and distribution of a potent neurotoxin in Rock Rattlesnakes (*Crotalus lepidus*). Evolution, Albuquerque, NM.

2023 N.J. Mellor, R. Rautsaw, E.A. Myers, M.J. Margres, K.P. Wray, D. Rokyta, C.L. Parkinson. Examining the Presence and Distribution of a Potent Neurotoxin in Rock Rattlesnakes (*Crotalus lepidus*). Alabama Academy of Sciences, Birmingham, AL.

2023. Rosales-Garcia, R. and C.L. Parkinson. Venom Gland Transcriptomics of the Mexican horned pitvipers (*Ophryacus* and *Mixcoatlus*). Joint Meeting of Ichthyologists and Herpetologists, Norfolk, Virginia, USA

2022 Myers, EA, RM Rautsaw and CL Parkinson. Gonna need more genomes: Genomic implications of introgression in rattlesnakes. ASIH Spokane WA

2022 Myers, EA, RM Rautsaw and CL Parkinson. Gonna need more genomes: Genomic implications of introgression in rattlesnakes. Biology of the Pitvipers 4, Rodeo NM

2022 Rautsaw, RM. and CL Parkinson. Never underestimate the power of phylogenetics: Macroevolution of New World pitviper venom. Biology of the Pitvipers 4, Rodeo NM

2022 NJ Mellor and CL Parkinson Give and take: Testing for exchange of Mojave toxin in Rock Rattlesnakes (*Crotalus lepidus*) within and between species. Biology of the Pitvipers 4, Rodeo NM

2022 Rosales Garcia, R and CL Parkinson Up the mountain: Venom evolution in montane pitvipers (*Cerrophidion*). Biology of the Pitvipers 4, Rodeo NM

2022 Schramer, T and CL Parkinson. You might not like this: Taxonomic resolution of Central American Pitvipers. Biology of the Pitvipers 4, Rodeo NM

2020 [#]Holding, ML, Trevine, V, Zinenko, O, [#]Strickland, JL, Rautsaw, RM, Hofmann, EP, Hogan, MP, Grazziotin, FG, Parkinson, CL, and Santana, SE. The beak of the snake: fang length evolution in vipers is predicted by diet. Integrative and Comparative Biology 60 E345

2020 [#]Holding, ML, [#]Strickland, JL, Rautsaw, RM, Mason, AJ, Hofmann, EP, Hogan, MP, Colston, TJ, Nystrom, G, Grazziotin, F, Gibbs, HL, Parkinson, CL. Comparative analysis of venom complexity and diet diversity in rattlesnakes using a novel, genome-wide phylogeny. Integrative and Comparative Biology 60 E104