

James D. Austin

Curriculum vitae

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EDUCATION

- 2004 PhD, Evolutionary Biology, Queen's University, Canada
1997 BSc, Biology (Hons, w/ distinction), University of Victoria, Canada
1995 BA, History, University of Victoria, Canada

PROFESSIONAL EMPLOYMENT & APPOINTMENTS

- 2020-ongoing Professor, Department of Wildlife Ecology & Conservation, University of Florida (UF)
Appointment: 60% research 40% teaching. Program fulfilled the research, graduate training and undergraduate teaching mission of the department and Institute of Food and Agricultural Sciences at UF.
- 2012–2020 Associate Professor, Department of Wildlife Ecology & Conservation, UF
2006–2012 Assistant Professor, Department of Wildlife Ecology & Conservation, UF
2006–ongoing Joint Faculty, School of Forest Resources & Conservation, UF
2006–ongoing Affiliate Faculty, School of Natural Resources and Environment, UF
2006–ongoing Affiliate Faculty, Genetics Institute, UF
2004–2005 NSERC Postdoctoral Fellow, Ecology & Evolutionary Biology, Cornell University
Comparative phylogeography of eastern North American amphibian species
- 2003–2004 Scientific Consultant, Parks Canada, Ottawa, Ontario, Canada
Developed working plan for Mississauga Rattlesnake translocations.
- 2003 Scientific Consultant, Canadian Wildlife Service, Ottawa, Canada
Produced white paper outlining translocations and reintroductions best practices for Service.
- 1998–2003 Graduate Research Assistant, Queen's University, Kingston, Ontario
Dissertation Title: Multiscale perspectives on the genetic structure of a widespread amphibian, the North American bullfrog (*Rana catesbeiana*).
243 pp.

PUBLICATIONS

Refereed Journal Articles

*students and mentees coauthors

- 2023 Pynne JT, Coonner LM, Castleberry SB, Parsons EI, Gitzen RA, Duncan SI*, Austin JD, McCleery RA. 2023. Experimental translocation for restoration of an ecosystem engineer. *Restoration Ecology* 31:e13888.

- 2022 Alvarez-Aleman A*, Hunter MA, Powell J, Frazer T, Austin JD. 2022. The first assessment of the genetic diversity and structure of the endangered West Indian manatee in Cuba. *Genetica* 150: 327-341.
- 2022 Fletcher, Jr. RJ, Safari JA, Holt RD, Jaffe R, Kortessis N, Robertson E, Duncan S, Marx AJ*, Austin JD. Extending isolation by resistance to account for directed migration and mortality. *Methods in Ecology and Evolution* 13 2463-2477.
- 2022 Button ST*, Austin JD, Greenberg C. Temporal partitioning of hatching, maturation, and surface activity by reptiles in Florida longleaf pine-wiregrass sandhills. *Herpetological Journal* 32:130-141.
- 2022 Button ST*, Austin JD, Greenberg C. 2022. Recruitment patterns and potential climate change impacts on three Florida hylids with different life histories. *Diversity* 14: 129.
- 2022 Song J*, Austin JD Yang H. Comparative transcriptomics of the northern quahog *Mercenaria mercenaria* and southern quahog *Mercenaria campechiensis* in response to heat stress. *Marine Biotechnology* 24: 276-292.
- 2022 Austin JD, Gore JA, Hargrove JS*, Braun de Torrez EC, Carneiro CM*, Ridgley FN, Wisely SM. 2022. Strong population genetic structure and cryptic diversity in the Florida bonneted bat (*Eumops floridanus*). *Conservation Genetics* 23:495-512
- 2022 Hargrove JS*, Dockendorf KJ, Potoka KM, Smith CA, Alvarez V, Austin JD. Largemouth bass hatchery contributions quantified via parentage-based tagging. *North American Journal of Fisheries Management* 42:758-774.
- 2022 Parsons E, Gitzens RA, Pynne JT, Conner M, Castleberry SB, Duncan SI*, Austin JD, McCleery RA. Determining habitat requirements for the southeastern pocket gopher (*Geomys pinetis*) at multiple scales. *Journal of Mammalogy* 103:672-679.
- 2021 Lima KA*, Stevens N, Wisely SM, Fletcher RJ, Monadjem A, Austin JD, Mahlaba T, McCleery RA. Landscape heterogeneity and woody encroachment decrease mesocarnivore scavenging in a savanna agro-ecosystem. *Rangeland Ecology and Management* 78:104-111.
- 2021 Teman SJ*, Stevens N, Monadjem A, Fletcher RJ, Austin JD, McCleery RA. Savanna rodents' selective removal of an encroaching plant's seeds increased with grass biomass. *Frontiers in Ecology and Evolution* 9:676572
- 2021 Alvarez-Aleman A*, Alfonso E-G, Powell JA, Jacoby CA, Austin JD, Frazer TK. Causes of mortality for endangered Antillean manatees in Cuba. *Frontiers in Marine Science* 8: 646021.
- 2021 Pynne JT, Castleberry SB, Conner LM, Piper CW, Parson EI, Gitzen RA, Duncan SI*, Austin JD, McCleery RA. Ultraviolet biofluorescence in pocket gophers. *American Midland Naturalist* 186: 150-155
- 2021 Cairns NA, Cicchino AS, Stewart KA, Austin JD, Loughheed SC. Cytonuclear discordance, reticulation and cryptic diversity in one of North America's most common frogs. *Molecular Phylogenetics and Evolution* 156:107052.
- 2021 Carneiro CM*, Noble JD, Pietras A, Moler P, Austin JD. Iso-Seq analysis and functional annotation of the Sante Fe cave crayfish (*Procambarus erythropus*) transcriptome. *Marine Genomics* 58:100842.
- 2021 Pynne JT, Castleberry SB, Conner LM, Parson EI, Gitzen RA, Duncan SI*, Austin JD, McCleery RA. Southeastern pocket gopher (*Geomys pinetis*) tunnels provide stable thermal refugia. *American Midland Naturalist* 185: 218-228.

- 2020 Hernandez FA, Carr AN, Milleson MP, Merrill H, Avery M, Parker B, Pylant CM, Austin JD, Wisely S. 2021. Dispersal and land cover contribute to pseudorabies virus exposure in invasive wild pigs. *EcoHealth* 17:498-511.
- 2020 Heekenda, EJ*, Austin JD, Zhang Z, Yang H. Phenotypic and genetic identification of *Mercenaria mercenaria*, *Mercenaria campechiensis* and their hybrids. *Journal of Shellfish Research* 39:535-546
- 2020 Duncan SI*, Robertson EP*, Fletcher RJ, Austin JD. Impact of urbanization on genetic diversity and population structure of the Panama City crayfish (*Procambarus econfinae*). *Journal of Heredity* 111: 204-215.
- 2020 Duncan SI*, Pynne JT, Parsons EI, Fletcher RJ, Austin JD, Castleberry SB, Conner LM, Gitzen RA, Barbour M, McCleery RA. Land use and cover effects on a declining fossorial mammal. *Forest Ecology and Management* 456: 117642
- 2019 Robertson EP*, Fletcher Jr RJ, Austin JD. The number of breeders explains genetic connectivity in an endangered bird. *Molecular Ecology* 28: 2746-2756
- 2019 Rojas Bonzi V*, Carneiro CM*, Wisely SM, Monadjem A, McCleery RA, Gumbi B, Austin JD. Comparative spatial genetic structure of two rodent species in an agro-ecological landscape in southern Africa. *Mammalian Biology* 97: 64-71
- 2019 Pynne JT, Castleberry SB, Conner LM, Parsons EI, Gitzen RA, Austin JD, Duncan SI*, McCleery RA. Timber rattlesnake (*Crotalus horridus*) predation on a southeastern pocket gopher (*Geomys pinetis*). *Southeastern Naturalist* 18(3): N34-N36.
- 2019 Button ST*, Sovie AR, Greenberg CH, Austin JD. Evaluating the ecology of *Tantilla relicta* in Florida pine-wiregrass sandhills using multi-season occupancy models. *Journal of Herpetology*, 53: 179-186.
- 2019 Mamba M, Fasel NJ, Mahlaba TAM, Austin JD, McCleery RA, Monadjem A. Influence of sugarcane plantations on the population dynamics and community structure of small mammals in a savanna-agricultural landscape. *Global Ecology and Conservation*, 20: e00752 <https://doi.org/10.1016/j.gecco.2019.e0075>
- 2019 Greenberg C, Zarnoch S, Austin JD. Short-term response to season of burn by amphibians and reptiles in a Florida longleaf pine-wiregrass sandhill. *Canadian Journal of Forest Research* 49: 1580-1589.
- 2019 Moore NB, Duncan SI*, Parsons E, Pynne JT, Austin JD, Conner M, Castleberry S, Gitzen R, McCleery RA. A new live trap for southeastern pocket gophers. *Wildlife Society Bulletin*, 43: 178-181.
- 2019 Hargrove JS*, Weyl OLF, Zhao H, Peatman E, Austin JD. Using species-diagnostic SNPs to detail the distribution and dynamics of hybridized black bass populations in southern Africa. *Biological Invasions*, in press. <https://doi.org/10.1007/s10530-018-01912-8>
- 2018 Greenberg C, Zarnoch S, Austin JD. Long term amphibian monitoring at wetlands lacks power to detect population trends. *Biological Conservation* 228: 120-131.
- 2018 Johnson NA*, Smith CH, Pfeiffer JM, Randklev CR, Williams JD, Austin JD. Integrative taxonomy reveals both cryptic and overestimated species-level diversity in the freshwater mussel genus *Cyclonaias*. *Scientific Reports* 8: 15892.
- 2018 Hargrove JS*, Saarinen E*, Parkyn D, Murie D, Austin JD. Mixing rates in weakly differentiated stocks of greater amberjack (*Seriola dumerili*) in the Gulf of Mexico. *Genetica* 146: 393-402

- 2018 Alvarez-Aleman A*, Austin JD, Jacoby CA, Frazer TK. Cuban connection: regional role for Florida's manatees. *Frontiers in Marine Science* 5: 294.
- 2018 Austin JD, Greene DU, Honeycutt RL, McCleery RA. Genetic evidence indicates ecological divergence rather than geographic barriers structure Florida fox squirrels. *Journal of Mammalogy* 99: 1336-1349.
- 2018 Johnson NA*, Schfield PJ, Williams JD, Austin JD. Salinity tolerance among three freshwater mussels (*Bivalvia: Unionidae*) from Gulf Coastal Plain drainage basins. *Florida Scientist* 81: 61-69.
- 2018 Robertson EP*, Fletcher RJ, Cattau CE, Udell BJ, Reichert BE, Austin JD, Valle DR. Connectivity is impeded from immigrant reproductive failure, impacting conservation priorities for an endangered bird. *Proceeding of the National Academy of Sciences, USA*. 115: 8591-8596.
- 2018 Reynolds C, Fletcher RJ, Carneiro CM*, Jennings N*, Ke A, LaScaleia MC, Lukhele MB, Mamba ML, Sibiyi MD, Austin JD, Magagula CN, Mahlaba T, Monadjem A, Wisely SM, McCleery RA. Inconsistent effects of landscape heterogeneity and land-use on animal diversity in an agricultural mosaic: a multi-scale and multi-taxon investigation. *Landscape Ecology* 33: 241–255.
- 2018 Luque-Montes IR*, Austin JD, Weinfurter KD, Wilson LD, Hofmann EP, Townsend JH. 2017. An integrative assessment of the taxonomic status of highland leopard frogs (*Anura: Ranidae*) in Honduras, with description of a new species. *Systematics and Biodiversity* 16: 340–356.
- 2018 Hernandez FA, Parker B, Pylant CM*, Smyser TJ, Piaggio AJ, Lance SL, Millison MP, Austin JD, Wisely S. Invasion ecology of wild pigs (*Sus scrofa*) in Florida, USA: the role of humans in the expansion and colonization of an invasive wild ungulate. *Biological Invasions* 20:1865-1880
- 2018 Zhao H, Li C, Hargrove JS*, Thongda W, Bowen B, Zhang D, Mohammed H, Beck B, Austin JD, Peatman EJ. SNP marker panels for parentage assignment and traceability in the Florida Bass (*Micropterus floridanus*). *Aquaculture* 485: 30-38.
- 2018 Hargrove JS*, Allen MS, Weyl OLF, Crandall CAC, Austin JD. Motivations and behaviors of tournament anglers targeting bedding bass. *North American Journal of Fisheries Management* 38: 334-345.
- 2018 Austin JD, Moore S*, McCleery RA, Colton J*, Finberg T, Monadjem A. 2017. Conservation genetics of an insular giraffe population in the Mbuluzi Game Reserve, Swaziland. *Journal of African Ecology* 56: 140-145.
- 2018 Robertson EP*, Fletcher Jr RJ, Austin JD. Microsatellite polymorphism in the endangered snail kit reveals panmictic, low diversity population. *Conservation Genetics* 19: 337–348.
- 2017 Shirley MH*, Austin JD. Did Late Pleistocene climate change result in parallel genetic structure and demographic bottlenecks in sympatric Central African crocodiles, *Mecistops* and *Osteolaemus*? *Molecular Ecology* 26: 6463–6477.
- 2017 Panagiotopoulou H, Austin JD, Zalewska K, Gonciarz M, Gawor J, Weglenski P, Popovic D. 2017. Microsatellite mutation rate in Atlantic sturgeon (*Acipenser oxyrinchus*). *Journal of Heredity* 108: 686–692.
- 2017 Coker OM*, Omonona AO, Fagbohun OA, Pylant CL*, Austin JD. Genetic structure of wild and domesticated grasscutters (*Thryonomys swinderianus*) from Southwestern Nigeria. *African Zoology* 52:155–162.

- 2017 Button ST*, Greenberg CH, Austin JD. *Anolis carolinensis* (green anole). Diet. *Herpetological Review* 48:633–634
- 2017 Vitek NS, Austin JD, Bloch JJ. Long-term association between the commensal *Podomys floridanus* and *Gopherus polyphemus* in the fossil record of Florida. *Bulletin of the Florida Museum of Natural History* 55: 105–116.
- 2017 Greenberg CH, Zarnoch SJ, Austin JD. Weather, hydroregime, and breeding influence juvenile recruitment of anurans in isolated ephemeral wetlands: implications for climate change. *Ecosphere* 8:e01789
- 2017 Trippel NA, Hargrove JS*, Leone EH, Austin JD, Allen MS. Angling-induced impacts on recruitment and contributions to reproduction in Florida bass, *Micropterus floridanus*. *Transactions of the American Fisheries Society* 146: 871–887.
- 2017 Robertson EP*, Fletcher RJ, Austin JD. The causes of dispersal and the cost of carryover effects for an endangered bird in a dynamic wetland landscape. *Journal of Ecology* 86: 857–865.
- 2017 Hargrove JS*, Weyl OLF, Austin JD. Reconstructing the introduction history of an invasive fish predator in South Africa, the Largemouth Bass (*Micropterus salmoides*). *Biological Invasions*, 19: 2261–2276.
- 2017 Greene DU, Gore JA, Austin JD. The importance of demographic and genetic monitoring in conservation reintroductions: a case study on captive-born beach mice. *Journal of Mammalogy* 98: 513–522.
- 2017 Hargrove JS*, Austin JD. Parentage and mating patterns in a Florida bass hatchery. *Aquaculture Research* 48: 3272–3277.
- 2016 Fletcher, Jr. RJ, Burrell NS, Reichert BE, Vasudev D, Austin JD. Divergent perspectives on landscape connectivity reveal consistent effects from genes to communities. *Current Landscape Ecology Reports* 1:67–79
- 2016 Saarinen EV*, Reilly PF, Austin JD. Conservation genetics of an endangered grassland butterfly (*Oarisma poweshiek*) reveals historically high gene flow despite recent and rapid range loss. *Insect Conservation and Diversity* 9: 517–528
- 2016 Stewart KA, Austin JD, Zamudio KR, Lougheed SC. Contact zone dynamics during early stages of speciation in a chorus frog (*Pseudacris crucifer*). *Heredity* 116:239–247.
- 2015 Greenberg CH, Goodrick S, Austin JD, Parresol BR. Hydroregime prediction models for ephemeral groundwater-driven sinkhole wetlands: a planning tool for climate change and amphibian conservation. *Wetlands* 35: 899–911.
- 2015 Fletcher, Jr. RJ, Robertson EP*, Wilcox RC, Reichert BE, Austin JD, Kitchens WM. Affinity for natal environments by dispersers impacts reproduction and explains geographic structure of a highly mobile bird. *Proceedings of the Royal Society B* 282: 20152845.
- 2015 Austin JD, Gore JA, Greene DU, Gotteland C*. Conspicuous genetic structure belies recent dispersal in an endangered beach mouse (*Peromyscus polionotus trissyllepsis*). *Conservation Genetics* 16: 915–928.
- 2015 Shirley MH*, Villanova VL*, Vliet KA, Austin JD. Genetic barcoding facilitates captive and wild management of three cryptic African crocodile species complexes. *Animal Conservation* 18: 322–330.

- 2015 Hargrove JS*, Sturmer L, Scarpa J, Austin JD. Assessment of genetic diversity in wild and aquacultured stocks of the hard clam *Mercenaria mercenaria* in Florida. *Journal of Shellfish Research* 34: 355–365.
- 2014 Xuereb ATJ, Austin JD, Loughheed SC. New microsatellite loci for the threatened eastern hog-nosed snake (*Heterodon platirhinos*) in Ontario, Canada. *Conservation Genetics Resources* 6: 69–71.
- 2014 Shirley MH*, Vliet K, Carr A, Austin JD. Rigorous approaches to species delimitation have significant implications for African crocodylian systematics and conservation. *Proceedings of the Royal Society B* 281: 20132483.
- 2014 Austin JD, Saarinen EV*, Arias-Perez A, McCleery RA, Lyons RH. Twenty-one novel microsatellite loci for the Endangered Florida salt marsh vole (*Microtus pennsylvanicus dukecampbelli*). *Conservation Genetics Resources* 6: 637–639.
- 2013 Fletcher RJ Jr, Revell A, Reichart BE, Kitchens WM, Austin JD. Network modularity reveals critical scales for connectivity in ecology and evolution. *Nature Communications* 4: 2472.
- 2013 Townsend JH*, Medina-Flores M, Reyes-Calderon O, Austin JD. Another new *Nototriton* (Caudata: Plethodontidae) from Parque Nacional Montaña de Botaderos in northeastern Honduras. *Zootaxa* 3666: 358–368.
- 2013 Townsend JH*, Medina-Flores M, Wilson LD, Jadin RC, Austin JD. A relict lineage and new species of green palm-pitviper (Squamata, Viperidae, *Bothriechis*) from the Chortís Highlands of Mesoamerica. *ZooKeys* 298: 77.
- 2013 Hargrove J*, Saarinen EV*, Chapman F, Austin JD. Microsatellite variation reveals incomplete diplotidization in Gulf of Mexico sturgeon. *Florida Scientist* 76: 409–416.
- 2013 Aldea-Guevara MI*, Hargrove J*, Austin JD. Diversity and geneflow in a migratory frugivorous fish: Implications for Amazonian habitat connectivity. *Conservation Genetics* 14: 935–942.
- 2012 Tucker KP, Hunter ME, Bonde RK, Austin JD, Clark AM, McGuire PM, Oli MK. Genetic diversity and minimal population substructure in the endangered Florida manatee: implications for conservation. *Journal of Mammalogy* 93: 1504–1511.
- 2012 Irwin J*, Smith A*, Gore JA, Greene DU, Austin JD. Whole genome amplification of microsatellites reveal limited genetic variation in a captive colony relative to the wild source population of the endangered beach mouse, *Peromyscus polionotus trissyllepsis*. *Florida Scientist* 75: 253–259.
- 2012 Branch TA, Austin JD, Acevedo-Whitehouse K, Gordon IJ, Gompper ME, Katzner TE, Pettorelli N. Fisheries conservation and management: Finding consensus in the midst of competing paradigms. *Animal Conservation* 15: 1–3.
- 2012 Townsend JH*, Wilson LD, Medina-Flores M, Luque-Montes IR, Herrera-B LA, Atkinson BK, Stubbs AL, Cerrato-M CA, Austin JD. A premontaine hotspot of herpetofauna endemism on the windward side of Refugio de Vida Silvestre Texiguate, Honduras. *Salamandra* 48: 92–114.
- 2012 Hargrove J*, Parkyn D, Murie D, Demopolis A, Austin JD. Augmentation of French grunt diet description using combined visual and DNA-based analysis. *Marine and Freshwater Research* 63: 740–750.
- 2012 Hargrove J*, Gitzendanner M, Austin JD. Isolation and characterization of 14 novel polymorphic loci for the Florida mouse (*Peromyscus floridanus*). *Conservation Genetics Resources* 4: 411–413.

- 2012 Austin JD, Johnson AR, Matthews M, Tringali M, Porak WF, Allen MS. An assessment of hatchery effects on Florida bass (*Micropterus salmoides floridanus*) microsatellite genetic diversity and sibship reconstruction. *Aquaculture Research* 43: 628–638.
- 2011 Hekkala E, Shirley MH*, Amato G, Austin JD, Thorbjarnarson J, Vliet KA, Houck ML, Charter S, DeSalle R, Blum M. An ancient icon reveals new mysteries: Mummy DNA resurrects a cryptic species within the Nile crocodile. *Molecular Ecology* 20: 4199–4215.
- 2011 Townsend JH, Medina-Flores M, Murillo JL, Austin JD. Cryptic diversity in Chortís Highland moss salamanders (Caudata: Plethodontidae: *Nototriton*) revealed using mtDNA barcodes and phylogenetics, with the description of a new species. *Systematics and Biodiversity* 9: 275–287.
- 2011 Austin JD, Jelks HJ, Johnson AR, Tate W, Jordan F. Population genetic structure and conservation genetics of endangered Okaloosa darters (*Etheostoma okaloosae*). *Conservation Genetics* 12: 981–989.
- 2011 Hargrove J*, Saarinen EV*, Chapman F, Austin JD. Isolation of 15 microsatellite loci specific to Gulf of Mexico sturgeon (*Acipenser oxyrinchus desotoi*). *Molecular Ecology Resources* 11: 757–758.
- 2011 Austin JD, Gorman T, Bishop D, Moler P. Genetic evidence of contemporary hybridization in one of North America’s rarest anurans, the Florida bog frog. *Animal Conservation* 14: 553–561.
- 2011 Austin JD, Gorman T, Bishop D. Assessing fine-scale genetic structure and relatedness in the micro-endemic Florida bog frog. *Conservation Genetics* 12: 833–838.
- 2011 Butler JM*, Dodd CK Jr, Aresco M, Austin JD. Morphology and molecular evidence indicates that the Gulf Coast box turtle (*Terrapene carolina major*) at the Florida Panhandle is not a distinct evolutionary lineage. *Biological Journal of the Linnean Society* 102: 889–901.
- 2011 Saarinen EV*, Flower JH, Pine WE, Parauka F, Austin JD. Molecular kin estimation from eggs in the threatened Gulf sturgeon. *Journal of Applied Ichthyology* 27: 492–495.
- 2010 Linnell JDC, Rondeau D, Read DH, Williams R, Altwigg R, Raxworthy C, Austin JD, and 6 others. Confronting costs and conflicts associated with biodiversity. *Animal Conservation* 13: 429–431.
- 2010 Saarinen EV*, Austin JD. When technology meets conservation: microsatellite marker production using 454 genome sequencing on the endangered Okaloosa darter (*Etheostoma okaloosae*). *Journal of Heredity* 101: 784–788.
- 2010 Saarinen EV*, Austin JD, Daniels JC. Genetic estimates of contemporary effective population size in an endangered butterfly indicate a possible role for genetic compensation. *Evolutionary Applications* 3: 28–39.
- 2010 Townsend JH*, Wilson LD, Butler JM*, Austin JD. An enigmatic new species of moss salamander (Caudata: Plethodontidae: *Nototriton*) from an imperiled Honduran endemism hotspot. *Zootaxa* 2434: 1–16.
- 2009 Townsend JH*, Butler JM*, Wilson LD, Austin JD. A new species of salamander in the *Bolitoglossa dunnii* group (Caudata: Plethodontidae: Bolitoglossinae) from Parque Nacional Montaña de Yoro, Honduras. *Salamandra* 45: 95–105.

- 2008 Champagne CE, Austin JD, Jelks HL, Jordan F. Effects of fin clipping on survival and position-holding behavior of brown darters, *Etheostoma edwini*. *Copeia* 2008: 917–920.
- 2008 Austin JD, Zamudio KR. Incongruence in the pattern and timing of intra-specific diversification in bronze frogs and bullfrogs (Ranidae). *Molecular Phylogenetics and Evolution* 48: 1041–1053.
- 2008 Baker P, Austin JD, Bowen B, Baker SM. Range-wide population structure and history of the northern Quahog (*Merceneria merceneria*). *ICES Journal of Marine Science* 65: 155–163.
- 2006 Lougheed SC, Austin JD, Bogart JP, Chek AC. Multicharacter perspectives on the evolution of intraspecific differentiation in a neotropical hylid frog. *BMC Evolutionary Biology* 6: 23
- 2004 Austin JD, Lougheed SC, Boag PT. Controlling for the effects of history and non-equilibrium conditions in gene flow estimates in northern populations of the bullfrog (*Rana catesbeiana*). *Genetics* 168: 1491–1506.
- 2004 Austin JD, Lougheed SC, Boag PT. Discordant temporal and geographic patterns in maternal lineages of eastern North American frogs, *Rana catesbeiana* and *Pseudacris crucifer*. *Molecular Phylogenetics and Evolution* 32: 799–816.
- 2003 Austin JD, Davia J, Lougheed SC, Boag PT. Genetic evidence for female-biased dispersal in the bullfrog (*Rana catesbeiana*). *Molecular Ecology* 12: 3165–3172.
- 2003 Austin JD, Lougheed SC, Moler P, Boag PT. Phylogenetics, zoogeography, and the role of vicariance and dispersal in the evolution of the *Rana catesbeiana* (Anura: Ranidae) species group. *Biological Journal of the Linnean Society* 80: 601–624.
- 2003 Parkyn D, Austin JD, Hawryshyn CW. Acquisition of polarized-light orientation in salmonids under laboratory conditions. *Animal Behaviour* 65: 893–904.
- 2003 Chek AA, Austin JD, Lougheed SC. Why is there a tropical-temperate disparity in the genetic diversity and taxonomy of species? *Evolutionary Ecology Research* 5: 69–77.
- 2002 Austin JD, Lougheed SC, Bogart J, Boag PT. Molecular perspectives on the evolutionary affinities of an enigmatic Neotropical frog, *Allophryne ruthveni*. *Zoological Journal of the Linnean Society* 134: 335–346.
- 2002 Austin JD, Lougheed SC, Chek AA, Neidrauer L, Boag PT. Cryptic lineages in a small frog: the postglacial history of the spring peeper, *Pseudacris crucifer* (Anura: Hylidae). *Molecular Phylogenetics and Evolution* 25: 316–329.
- 2001 Shewchuk CH, Austin JD. Food habits of the racer (*Coluber constrictor mormon*) in the northern part of its range. *Herpetological Journal* 11: 151–155.
- 1998 Austin JD, Gregory PT. Relative roles of thermal and chemical cues in the investigative behavior of prey in colubrid (*Elaphe guttata* and *Lampropeltis getulus*) and boid (*Python regius*) snakes. *Herpetological Natural History* 6: 47–50.

Books & Book Chapters

- 2021 McCleery RA, Monadjem A, Conner M, Austin JD, Taylor R. Methods for Ecological Research on Terrestrial Small Mammals. Johns Hopkins University Press, Baltimore.
- 2013 Greenberg CH, Perry RW, Franzreb KE, Loeb SC, Saenz D, Rudolph C, Austin JD, Fucik EM, Kwiatkowski MA, Parresol BR, Tanner GW, Winters E. Climate change

and wildlife in the southern United States: potential effects and management options. Pg 379–420 In Vose JM, Klepzig KD, eds. *Climate change adaptation and mitigation management options: A guide for natural resource managers in southern forest ecosystems*. CRC Press.

- 2012 Austin JD, Miller CW, Fletcher RJ. What role can natural selection and phenotypic plasticity play in wildlife adaptation to climate change? Pg 38–57 In Brodie et al. eds. *Wildlife Conservation in a Changing Climate*. Univ. Chicago Press.

Book Reviews

- 2008 Austin JD. Embracing uncertainty in wildlife management. A review of “Conservation of wildlife populations: demography, genetics, and management” by L. Scott Mills. *Ecology* 89: 289.

Other Publications

- 2018 Hargrove JH*, Austin JD. Is bedfishing detrimental for Florida bass? Florida Cooperative Extension Service Publication #FA204
- 2018 Haught B, Austin JD. Science education is under attack in Florida. *Florida Scientist* 81: 1–2.
- 2014 Austin JD. Introduction: A special issue on Florida’s “citizen science” programs. *Florida Scientist* 77: 1–4.
- 2013 Austin JD. 2014. 2013 year in review, and a new beginning. *Florida Scientist* 77:1.
- 2013 Tuten T, Austin JD, Barrett MA, Hargrove JS*, Jelks HL, Johnson KG, Nagid EJ. 2013. Florida’s Southern Tessellated Darter: a Rare Case of a Common Fish. American Fisheries Society Genetics Section Newsletter. 26:2-3, 5.
- 2013 Hargrove JS*, Aldea-Guevara MI, Austin JD. Staying connected in the jungle: gene flow and patterns of connectivity in a migratory Amazon fish. American Fisheries Society Genetics Section Newsletter. 26:1-2, 5
- 2012 Gorman TA, Austin JD, Haas CA. Conservation of the Florida bog frog, one of North America’s rarest amphibians. *FrogLog* 20: 26–27.
- 2008 Austin JD. Associate Editor’s Choice: Translocation and early post-release demography of endangered Laysan teal, by Renolds et al. *Animal Conservation* 11:160-168.

Agency Final Reports

- 2023 Austin JD. Proposed translocation protocols for beach mouse recovery. US Fish and Wildlife Service. Feb. 23, 2023
- 2021 Austin JD, Carneiro C, Gumbi B. Generation of an annotated draft genome alignment for the endangered Florida bonneted bat. Florida Fish and Wildlife Conservation Commission. June 11, 2019, 5 pp
- 2019 Austin JD, Carneiro C. Sante Fe cave crayfish genomics. Florida Fish and Wildlife Conservation Commission. Dec 30, 2019, 39 pp.
- 2018 McCleery R, Boone W, Austin JD. Determining the evolutionary distinctness of the Sanibel Island (*Oryzomys palustris sanibeli*) and Pine Island (*O. p. planirostris*) rice rats at J.N. “Ding” Darling National Wildlife Refuge Complex. US Fish and Wildlife Service. Dec 31, 2018, 33 pp.

- 2017 Duncan SI, Robertson E, Fletcher RJ, Austin JD. Genetic status of the Panama City Crayfish (*Procambarus econfinae*). US Fish and Wildlife Service. Jun 12, 2017, 61 pp.
- 2017 Austin JD. Assessing the genetic structure of the statewide Florida mouse population for more effective conservation and management. Florida Fish and Wildlife Conservation Commission. Dec 21, 2017, 46 pp.
- 2016 Austin JD, Boone W. Genetic examination of the insular cotton rat (*Sigmodon hispidus insulicola*). Florida Fish and Wildlife Conservation Commission. Sept 30, 2016, 18 pp.
- 2016 Gotteland C, Hirsch B, Oli M, Branch L, Austin JD. Impact of highway widening on Perdido Key beach mouse population demographics, connectivity, and movement behavior. Florida Department of Transportation. July 30, 2016, 79 pp.
- 2016 Austin JD. Florida bonneted bat conservation genetics. Florida Fish and Wildlife Conservation Commission. Sept 22, 2016, 14 pp.
- 2015 Austin JD, Hargrove J. Genotyping services for Largemouth bass in Lake Mattamuskeet, NC with microsatellite markers. Final Report to the North Carolina Wildlife Resources Commission. June 30, 2015, 13 pp.
- 2015 Austin JD, Hargrove J. Phylogenetic markers for the evaluation of bluenose shiner status and distinction in eastern Florida. Final Report to the Florida Fish and Wildlife Conservation Commission. May 23, 2015, 5 pp.
- 2015 Austin JD, Hargrove J. Phylogenetic status and divergence of Florida's southern tessellated darter: recommendations for management. Final Report to the Florida Fish and Wildlife Conservation Commission. January 14, 2015, 20 pp.
- 2014 Austin JD. Genetic variation in Florida mouse populations. Final Report to the Florida Fish and Wildlife Conservation Commission. June 5, 2015, 13 pp.
- 2014 Austin JD. Preliminary Genetic Analysis of Florida mouse populations. Final Report to the Florida Fish and Wildlife Conservation Commission. July 31, 2014, 10 pp.
- 2011 Austin JD, Wilkinson E, Vignieri S, Branch. The effect of land development and tropical storms on genetic structure of Santa Rosa Island beach mice. Final Report to the Florida Fish and Wildlife Conservation Commission. January 2011, 46 pp.
- 2010 Austin JD. Genetic estimates of demographic trends, centers of diversity, and population structure in two seepage/steephead stream endemic species, Florida bog frog and Okaloosa darter. Final Report to the Florida Fish and Wildlife Conservation Commission. June 2010, 83 pp.
- 2009 Austin JD, Allen M. An assessment of production hatchery practices on neutral genetic diversity of Florida bass. Final Report to the Florida Fish and Wildlife Conservation Commission. November 2009, 83 pp.
- 2004 Austin JD. *Ex situ* conservation and translocations in species recovery: Toward a national policy and guidelines for Canada. Paper commissioned by Canadian Wildlife Service, Environment Canada November 2004, 79 pp.
- 2004 Austin JD. A Discussion paper and prospectus for recovery of tallgrass massasaugas (*Sistrurus catenatus catenatus*). Paper commissioned for the Eastern Massasauga Recovery Team, by the Canadian Wildlife Service, Environment Canada. March 2004, 40 pp.

- 2004 Austin JD. Evolutionarily enlightened species recovery: Genetic considerations in the resiliency and recovery of species at risk. Paper commissioned by the Canadian Wildlife Service, Environment Canada. March, 2004, 42 pp.
- 2000 Austin JD, Lougheed SC, Boag PT. Geographic and ecological correlates of genetic structure in the bullfrog (*Rana catesbeiana*). Report to the Ontario Ministry of Natural Resources, Southcentral Region, Kemptville Office.
- 1998 Lougheed SC, Austin JD, Vallianatos M, deGroot P, Boag PT. Design of a captive-breeding program in Loggerhead Shrikes (*Lanius ludovicianus migrans*) using microsatellite and provenance data. Report to the Loggerhead Shrike Recovery Team, (CWS, Toronto Metro Zoo and McGill University).
- 1996 Burger AE, Blight LK, Lawrence AD, Austin JD. Radar inventory of Marbled Murrelets at 14 watersheds in Clayoquot Sound in 1996. In: A. E. Burger, B. A. Beasley, T. A. Chatwin (Eds.) Clayoquot Sound Marbled Murrelet Inventory for 1996. Report to Ministry of Environment, Land and Parks, Vancouver Island Regional Office, Nanaimo, BC.

AWARDS AND RECOGNITION

- 2021 USFWS Regional Director's Honor Award (Atlantic Gulf & Mississippi Basin Interior Regions)
- 2017 USFWS Regional Recovery Champion Award (Southeast Region Endangered Species Recovery Program)
- 2017-'20 UF University Term Professor Award
- 2017 UF/IFAS Mid-Career International Travel Award
- 2013 UF-Faculty Enhancement Opportunity Award
- 2011 Award of Excellence for Graduate Research – Best Doctoral Dissertation, IFAS to Josiah Townsend (awarded as chair of supervisory committee)
- 2004 Natural Sciences and Engineering (CAN) Postdoctoral Fellowship. 2004-2006
- 2002 Natural Sciences and Engineering (CAN) Postgraduate Scholarship. 2002-2004
- 2002 Ontario Graduate Scholarship. 2002-2004 (declined)
- 2000 Ontario Graduate Scholarship. 2000-2002

GRANTS AND CONTRACTS (sole PI unless otherwise noted)

- 2023 Florida Fish and Wildlife Conservation Commission, \$55,058; 2023-2024
- 2023 US Fish and Wildlife Service, \$64,625; 2023-2028
- 2022 US Fish and Wildlife Service, \$30,847; 2022-2025
- 2020 Florida Fish and Wildlife Conservation Commission, \$25,000; 2020-2022
- 2018 US Dept. of Commerce, \$356,715; 2018-2022 (co-PI with H. Yang)
- 2018 US Fish and Wildlife Service, \$34,000; 2018-2022 (PI, with D. Miller)
- 2018 Florida Fish and Wildlife Conservation Commission, \$19,836; 2018-2019
- 2018 Florida Fish and Wildlife Conservation Commission, \$44,895; 2018-2019
- 2018 Florida Fish and Wildlife Conservation Commission, \$6,000; 2018
- 2017 Society for Marine Mammology, \$8000; 2017-2018
- 2016 US Fish and Wildlife Service, \$23,572; 2016-2017 (co-PI, with B. McCleery)
- 2016 US Fish and Wildlife Service, \$22,697; 2016-2017 (PI, with R. Fletcher)
- 2016 Florida Fish and Wildlife Conservation Commission, \$18,349; 2016
- 2016 Florida Fish and Wildlife Conservation Commission, \$14,491; 2016

- 2016 Florida Fish and Wildlife Conservation Commission, \$38,511; 2016-2017
- 2016 North Carolina Wildlife Resources Division, \$9,720; 2016
- 2015 National Science Foundation IRES, \$250,000; 2015–2018 (co-PI, B. McCleery, S. Wisely, R. Fletcher)
- 2015 Florida Fish and Wildlife Conservation Commission, \$32,630; 2015–2016
- 2015 Florida Fish and Wildlife Conservation Commission, \$3,525; 2015
- 2015 US Fish and Wildlife Service, \$41,265; 2015–2018
- 2015 Florida Fish and Wildlife Conservation Commission, \$220,000; 2015–2018 (co-PI, with B. McCleery)
- 2014 North Carolina Wildlife Resources Division, \$9,731; 2014–2015
- 2014 Florida Dept. of Transportation, \$581,181; 2014–2016
- 2014 Florida Fish and Wildlife Conservation Commission \$19,124; 2014–2015
- 2014 Florida Fish and Wildlife Conservation Commission \$11,134; 2014
- 2013 USDA Forest Service, \$17,000; 2013–2018
- 2013 US Fish and Wildlife Service, \$15,076; 2013–2018
- 2013 USDA Forest Service, \$41,068; 2013–2018
- 2013 Florida Fish and Wildlife Conservation Commission \$7,500; 2013–2014
- 2011 US Fish and Wildlife Service, \$14,235; 2011–2013
- 2011 Florida Fish and Wildlife Conservation Commission \$28,652; 2011–2013
- 2011 UF Experimental Station Equipment Matching Award \$11,034
- 2010 UF/IFAS Research Dean – Summer Internship Program \$2,880
- 2010 IFAS International Programs Travel Award, \$900
- 2010 National Science Foundation DDIG (PI, with M. Shirley), \$14,988; 2010–2012
- 2009 Mid-Bay Bridge Authority, \$50,813; 2009–2011
- 2009 Florida Fish and Wildlife Conservation Commission \$14,958; 2009–2010
- 2009 USDA Foreign Agricultural Service, \$15,000; 2009–2012
- 2009 USDA Forest Service, \$10,740; 2009–2013
- 2009 USDA Forest Service, \$50,000; 2009–2014
- 2008 US Geological Service, \$51,000; 2008
- 2008 National Marine Fisheries Service, \$80,446 (PI, with B. Pine); 2008–2010
- 2007 Florida Fish and Wildlife Conservation Commission \$291,057; 2007–2009
- 2007 IFAS International Programs Travel Award \$600
- 2007 UF/IFAS Teaching Dean – Tools for Molecular Training \$3500
- 2007 UF/IFAS Teaching Dean – Advances in Conservation Genetics Training Course \$600
- 2007 Critical Ecosystem Partnership Fund \$49,530 (co-PI, with M. Nickerson); 2007–2008
- 2007 National Marine Fisheries Service, \$321,940 (co-PI, D. Murie, D. Parkyn) 2007–2009
- 2007 Bechman Coulter, Educational matching funds \$49,450; 2007 (declined)
- 2007 Florida Fish and Wildlife Conservation Commission \$100,000 (PI, with M. Allen); 2007–2010
- 2007 Florida Fish and Wildlife Conservation Commission \$42,434; 2007–2009

INVITED TALKS

- 2020 A decade of applied research on ‘beach mice’: insights from demographic and genetic monitoring. Dept. of Animal Sciences, UF. Jan, 10, 2020.

- 2017 Does low genetic diversity in Mbuluzi Game Reserve giraffe hint at rough times ahead for giraffe in Swaziland? 2nd Annual Swaziland Biodiversity Research Conference, Kwaluseni, Swaziland. July 25, 2017.
- 2016 What we have learned about Gulf Coast beach mice using molecular tools. Beach mouse Recovery Working Group, Kennedy Space Center, FL. Mar 2, 2016
- 2015 Life is a beach: conservation research on an endangered beach mouse. Queen's University, August 20.
- 2015 Living on the edge: Perdido Key beach mice demographics and dispersal. US Fish and Wildlife Service, Panama City. Nov. 17.
- 2009 Genetic estimates of demographic trends, centers of endemism and population structure in two endemic Florida species of conservation concern. University of Central Florida, Nov. 1
- 2007 Does phylogeography matter? Examining patterns and mechanisms of biological and evolutionary distinctiveness in spring peepers. 30th annual Florida Herpetology Conference, Gainesville, FL April 8, 2007
- 2005 Scale, history, and the formation and maintenance of genetic variation—examples from two North American frog species, University of Waterloo, Jan. 18, 2005
- 2004 Ex situ conservation and translocation: toward a national policy. University of British Columbia. Nov. 13, 2004
- 2005 Scale, history, and the formation and maintenance of genetic variation—examples from two North American frog species, University of Florida. Aug. 26, 2004.
- 2002 Processes shaping genetic diversity in space and time in *Rana catesbeiana*. Trent University, June 6, 2002

CONFERENCE ACTIVITY/PARTICIPATION

- 2023 Carneiro CM, Austin JD. Genomic insight into the demographic history and structure of the grasshopper sparrow (*Ammodramus savannarum*). Evolution, June 21-25, 2023. Albuquerque, NM.
- 2021 Carneiro CM, Oteyza JC, Braun EL, Robinson SK, Austin JD. Genomic insight into the demographic history and structure of the grasshopper sparrow. American Genetics Association Annual Meeting, Oct. 11-13, 2021. Provo, UT.
- 2021 Greenberg CH, Zarnoch SJ, Austin JD. Weather, water and amphibians: implications for climate change. TWS Annual meeting. (virtual)
- 2021 Alvarez-Aleman A, Frazer T, Hunter ME, Powell J, Alfonso EG, Austin JD. Genetic status and structure of the endangered Antillean manatee in Cuba. Society for Marine Mammals Annual Meeting (virtual)
- 2020 Pynne JT, Castleberry SB, Conner LM, Parsons E, Gitzen R, Duncan S, McCleery RA, Austin JD. Translocation of southeastern pocket gophers (*Geomys pinetis*) in Georgia. 25th Annual Meeting of the Southeastern Bat Diversity Network and 30th Annual Colloquium on the Conservation of Mammals in the Southeastern U.S. Athens GA. Feb. 12-14, 2020.
- 2020 Parker BM, Demetrius JA, Boughton RK, Beasley JC, Austin JD, Wisely SM. Torque teno sus virus 1 (TTSuV1) as a Surrogate Pathogen for Studying Foreign Animal Diseases. Virtual Wild Pig Conference, June 2020.

- 2019 Marx A, Austin JD. Evidence for fine-scale genetic structuring of a Florida mouse population in a heterogenous upland landscape. Gopher Tortoise Council Annual Meeting Nov. 11, 2019.
- 2018 Pynne JT, Castleberry SB, Conner LM, Parsons E, Gitzen R, Duncan S, McCleery RA, Austin JD. Designing and implementing a distance sampling protocol for southeastern pocket gophers. TWS Annual meeting. Oct. 7-11, Cleveland OH
- 2018 Greene D, Gore J, Austin JD, Sneckenberger S, Cove M, Mengak M, Castleberry S. Multi-stakeholder collaborations to conserve some of Florida's most endangered coastal small mammals. Florida TWS April 11-13.
- 2018 Doonan T, Marx A, Austin JD. An assessment of genetic structure in the Florida mouse (*Peromyscus floridanus*). Southeastern Bat Diversity Network/Colloquium for the Conservation of Mammals in the Southeast. Mar 26-30, Roanoke, VA
- 2018 Pynne JT, Castleberry SB, Conner LM, Parsons E, Robert Gitzen R, Duncan S, McCleery RA, Austin JD. Using an ecosystem engineer to restore functionality of natural pinelands in the Southeastern United States. Georgia TWS Meeting. Sept 6-7, 2018
- 2017 VanDine B, Austin JD. 2017. Genetic population structure of spotted seatrout, *Cynoscion nebulosus*, in Florida Bay. American Fisheries Society, Tampa Bay, FL, Aug. 20-24.
- 2017 Hargrove JS, Weyl OLF, Allen MS, Austin JD. What have we learned after 30 years of bedfishing research? American Fisheries Society, Tampa Bay, FL, Aug. 20-24.
- 2017 Alvarez V, Gore JA, Pylant C, Austin JD. 2017. Conservation genetic status of the Florida Bonneted bat (*Eumops floridanus*). Annual Meeting of the Florida Academy of Sciences, Florida Polytechnical University, Lakeland, FL, Mar. 10-11.
- 2017 Robertson E, Fletcher, RJ Jr, Austin JD. A conservation genetic assessment of the Florida snail kite. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, FL. Apr. 17-20
- 2017 Hargrove, JS, Weyl OLF, Allen MS, Austin JD. Black Bass Abroad: Genetic insights on invasive Largemouth Bass in southern Africa. Southern Division American Fisheries Society, Oklahoma City, OK, Feb. 2-5.
- 2017 Hargrove, JS, Weyl OLF, Allen MS, Austin JD. Black Bass Abroad: Genetic insights on invasive Largemouth Bass in southern Africa. Western Division American Fisheries Society, Missoula MT, May 22-25
- 2016 Fletcher R, Robertson E, Reichert B, Austin JD. Network analysis isolates the role of movement and reproduction for population connectivity in an endangered bird. American Ornithologists' Union, Washington, DC, Aug. 16-24
- 2016 Marx A, Doonan T, Pylant C, Austin JD. Phylogeography of the Florida mouse. 96th Annual Meeting, American Society of Mammalogists, Indianapolis, IN, June 24-28.
- 2016 Shirley MH, Burtner B, Oslisly R, Sebag D, Testa O, Austin JD. Cave isolation sparks ecological and evolutionary divergence in the African dwarf crocodile (*Osteolaemus tetraspis*). Crocodile Specialist Group, Skukuza, South Africa May 21-26.
- 2016 Hargrove, JS, Weyl OLF, Allen MS, Austin JD. Reconstructing the invasion history of Largemouth Bass in South Africa. Fisheries Society of the British Isles Symposium, Bangor, Wales, United Kingdom. July 18-21.

- 2016 Greene DU, Gore JA, Austin JD. Using captive-born Perdido key beach mice for successful reintroductions. Florida Chapter of the Wildlife Society, Gainesville, Florida April 13-14.
- 2016 Gore JA, Greene DU, Austin JD. Using captive-born Perdido Key beach mice for successful reintroductions. Southeastern Bat Diversity Network, Lake Guntersville State Park, AL. February 18-19.
- 2016 Hargrove JS, Weyl OLF, Allen MS, Deacon NR, Austin JD. Using tournament angler data to assess the invasion status of alien sport fishes (*Micropterus* spp.) in southern Africa. Florida Chapter American Fisheries Society, Haines City, Florida. March 2-4
- 2015 Hargrove JS, Trippel N, Allen MS, Austin JD. Assessing population level impacts of catch-and-release angling on reproductive success and recruitment in Florida bass *Micropterus salmoides*. American Fisheries Society, Portland, Oregon. Aug. 6-20.
- 2015 Tuten T, Austin JD, Hargrove JS, Jelks H, Nagid E, Johnson K, Barret M. "Phylogenetic status and divergence of Florida's Southern Tessellated Darter. American Fisheries Society, Portland, Oregon. Aug. 6-20.
- 2015 Austin JD, Green D, Gore JA. Reintroduction of the endangered Perdido Key beach mouse (*Peromyscus polionotus trissyllepsis*) Using captive-born individuals. Annual meeting of The Wildlife Society, Winnipeg, MB, Oct. 18-21.
- 2015 Smith C, Oli M, McCown W, Scheick B, Dixon J, Austin JD. Inferring the demographic history of Florida black bears: Fragmentation, bottlenecks or both? American Society of Mammalogists, June 12-16, Jacksonville, FL.
- 2015 Coker OM, Austin JD, Omonona AO. Patterns of genetic diversity in wild and domesticated cane rats (*Thryonomys swinderianus*) from southwestern Nigeria. American Society of Mammalogists, , Jacksonville, Florida, June 12-16.
- 2015 Austin JD, Gore JA, Greene DH Gotteland C. Conspicuous genetic structure and recent dispersal in an endangered beach mouse *Peromyscus polionotus trissyllepsis*. American Society of Mammalogists, June 12-16, Jacksonville, FL.
- 2015 Hargrove JS, Weyl OLF, Allen MS, Austin JD. Management examples from freshwater fisheries in Florida, USA. Republic of Namibia Ministry of Fisheries and Marine Resources Science Forum, 5-7 Aug, Caprivi, Namibia
- 2015 Hargrove JS, Austin JD, Allen MS, Weyl OLF. Using tournament angling data to assess alien fish invasions. Southern Division American Fisheries Society, 30 Jan – 1 Feb, 2015, Savannah, Georgia.
- 2014 Hargrove JS, Trippel N, Allen MS, Austin JD. The Impacts of Catch-and-Release Angling on the Reproductive Success of Florida Bass, *Micropterus floridanus*. Southern Division American Fisheries Society, 25-27 Jan, 2014, Charleston, South Carolina.
- 2013 Austin JD. Conspicuous genetic structure and recent dispersal in an endangered beach mouse *Peromyscus polionotus trissyllepsis*. 11th International Mammalogical Congress, Belfast, N. Ireland. August 11-16.
- 2013 Hargrove J, Allen MA, Austin JD. Multiple-matings as a mechanism for the maintenance of genetic diversity in hatchery produced largemouth bass. Southern Division, American Fisheries Society. Nashville, Tennessee. Feb 7-10.
- 2012 Austin JD, Zamudio KR, Loughheed SC. Distinction with gene flow: Testing divergence models in a rare and widespread frog 2012. 7th World Herpetology Congress, Vancouver, Canada. Aug 8-14.

- 2012 Stewart KA, Austin JD, Loughheed SC. Contact zone dynamics and the evolution of reproductive isolation in a North American treefrog, *Pseudacris crucifer*. Society for the Study of Evolution, Ottawa, Ontario. July 6-10.
- 2012 Hargrove J, Aldea-Guevara MI, Austin JD. Genetic homogeneity but not panmixia of *Colossoma macropomum* at the Pacaya Samiria National Reserve, Peru. Florida Chapter American Fisheries Society, Feb. 18-19, Ocala, Florida.
- 2012 Hargrove JS, MA Guevara, JD Austin. Gene Flow and Population Structure of *Colossoma macropomum* from the Peruvian Amazon. Genetics Institute Open House, 25 October, 2012, Gainesville, Florida.
- 2011 Austin JD. Disentangling Historic and Contemporary Genetic Effects of Stream Structure: a Darter Example. 141st Annual Meeting of the American Fisheries Society, Seattle, Washington. Sept. 3-4.
- 2011 Hargrove JS, Austin JD. Factors influencing individual reproductive success of largemouth bass spawned in an indoor hatchery raceway. 141st Annual Meeting of the American Fisheries Society, Seattle, Washington. Sept.3-4.
- 2011 Johnson NA, Williams JD, Austin JD. Phylogeographic investigations of freshwater pearly mussels (*Bivalvia*: Unionidae) inhabiting rivers of the Gulf-Atlantic Coastal Plain. Joint Meeting of Ichthyologists and Herpetologists. Minneapolis, Minnesota. July 6-11.
- 2011 Johnson NA, Williams JD, Austin JD. Phylogeographic of the round pearlshell *Glebulina rotundata* (*Bivalvia*: Unionidae). Freshwater Mollusc Conservation Society. Louisville, Kentucky. April 11-15.
- 2011 Austin JD, Jelks HJ, Tate B, Jordan F. Phylogeography of the Okaloosa darter. Southern Division of the American Fisheries Society, Tampa, Florida. Jan 13-16.
- 2011 Johnson NA, Williams JD, Austin JD. Phylogeography of the Round Pearlshell, *Glebulina rotundata* (*Bivalvia*: Unionidae). Eastern Gulf Slope Mollusk and Crayfish Meeting. Eufala, Alabama. January 2011.
- 2011 Parkyn, DC, Murie DJ, Austin JD, Smith G, Colle DE. Patterns of movement and mortality of Greater Amberjack in the Gulf of Mexico. Southern Division of the American Fisheries Society, Tampa, Florida. Jan 13-16.
- 2011 Johnson NA, Williams JD, Paulay G, Austin JD. Testing the utility of a comprehensive DNA barcode library for a regional assemblage of freshwater mussels (*Bivalvia*: Unionidae). Southern Division of the American Fisheries Society, Tampa, Florida. Jan 13-16.
- 2011 Johnson NA, Williams JD, Austin JD. The utility of a comprehensive DNA barcode library for a regional assemblage of freshwater mussels (*Bivalvia*: Unionidae). Florida United Malacologists, Gainesville, Florida. February 2011.
- 2010 Austin JD. Sibship reconstruction from eggs as a potential indicators of breeding population size in Gulf of Mexico sturgeon. World Sturgeon Conservation Society, Bozeman, Montana. Aug. 31-Sep 2.
- 2010 Stewart KA, Austin JD, Loughheed SC. Contact zone dynamics and the evolution of reproductive isolation in a North American treefrog, *Pseudacris crucifer*. Society for the Study of Evolution, Portland, Oregon. June 25-29.
- 2010 Johnson NA, Williams JD, Austin JD. Phylogeography of the Round Pearlshell *Glebulina rotundata* (*Bivalvia*: Unionidae): Marine dispersal or paleodrainage

- connectivity? Florida United Malacologists, Sanibel, Florida. January 2010.
(Contributed)
- 2010 Hargrove JS, D.C. Parkyn, D.J. Murie, and J.D. Austin. Comparing trophic linkages inferred from visual and molecular analysis of stomach contents for a Caribbean reef fish. Florida Chapter American Fisheries Society, Feb. 16- 18, Ocala, Florida.
- 2009 Johnson NA, Williams JD, Austin JD. Phylogeography of the round pearlshell, *Glebulina rotundata* (Lamarck, 1819): marine dispersion or paleodrainage connectivity? American Fisheries Society, Nashville, TN. Aug. 30-Sep 3.
- 2009 Porak W, Barthel B, Tringali M, Stout R, Krause D, Cross F, Belotti P, Lutz-Carrillo D, Austin JD, Philipp D. Application of genetic principles to the management and conservation of Florida bass. American Fisheries Society, Nashville, Tennessee. Aug. 30-Sep 3.
- 2009 Parkyn DC, Murie DJ, Colle DE, Smith GH, Austin JD. Capture and Patterns of Recapture to Assess Movements of Greater Amberjack in the Gulf of Mexico. American Society of Ichthyologists and Herpetologists/Society for the Study of Amphibians and Reptiles/American Elasmobranch Society Joint Meeting, Portland, Oregon. Jul 22-27.
- 2009 Altig R, White M, Austin JD, Crother B. Unusual bullfrog (*Lithobates catesbeianus*) tadpole phenotypes may indicate hybrids. American Society of Ichthyologists and Herpetologists/Society for the Study of Amphibians and Reptiles/American Elasmobranch Society Joint Meeting, Portland, Oregon. Jul 22-27.
- 2009 Hargrove JS, Parkyn DC, Austin JD, Murie DJ, Demopolous A. Using polymerase chain reaction to aid visual analysis of French grunt stomach contents. American Society of Ichthyologists and Herpetologists/Society for the Study of Amphibians and Reptiles/American Elasmobranch Society Joint Meeting Joint Meeting, Portland, Oregon. Jul 22-27.
- 2009 Baker P, Austin JD, Bowen B, Sturmer L, Baker S. Population structure and genetic diversity in wild and cultured hard clams *Mercinaria mercenaria*. National Shellfisheries Association 101st Annual Meeting, Savannah Georgia. Mar 22-26
- 2009 Johnson NA Williams JD, Austin JD. Phylogeography of the round pearlshell, *Glebulina rotundata* (Lamarck 1819) Bivalvia: Unionidae. Freshwater Mollusk Conservation Society Baltimore, Maryland. Apr 19-24.
- 2009 Hargrove J, Parkyn D, Murie D, Austin JD. Use of polymerase chain reaction to aid in visual analysis of stomach contents of French grunts, *Haemulon flavolineatum*. Southeastern Ecology and Evolution Conference, Gainesville, Florida. Mar 27-29.
- 2009 Johnson NA, Williams JD, Austin JD. Phylogeography of the Round Pearlshell, *Glebulina rotundata* (Lamarck 1819) Bivalvia: Unionidae. Southeastern Ecology and Evolution Conference, Gainesville, Florida. Mar 27-29.
- 2009 Johnson A, Johansen J, Allen M, Thompson E, Austin JD. Kissing Bass – Assessing mating success and relatedness in a Largemouth Bass (*Micropterus salmoides*) hatchery. Southeastern Ecology and Evolution Conference, Gainesville, Florida. Mar 27-29.
- 2009 Townsend JH, Austin JD, Wilson LD, Butler JM. A distinctive new species of moss salamander (Plethodontidae: *Nototriton*) from a critically endangered cloud forest in Honduras. Southeast Ecology and Evolution Conference, Gainesville, Florida. Mar 27-29.

- 2009 Johnson NA, Williams JD, Austin JD. Phylogeography of the Round Pearlshell, *Glebulina rotundata*. Eastern Gulf Slope Mollusk and Crayfish Meeting, Spanish Fort, Alabama. Jan 20-22.
- 2009 Austin JD, Saarinen EV. Sturgeon Conservation in the Age of Genomics: Unraveling Mating systems to Detecting Divergent Selection. 2009 Gulf Sturgeon Working Group Annual Meeting, Cedar Key Florida. Nov 17-19.
- 2009 Austin JD, Saarinen EV. How many Mums are there? An assessment of relatedness among Gulf sturgeon egg samples 2009 Gulf Sturgeon Working Group Annual Meeting, Cedar Key Florida. Nov 17-19.
- 2009 Hargrove JS, Parkyn D, Austin JD, Murie D. Use of polymerase chain reaction to aid visual analysis of stomach contents of French grunts, *Haemulon flavolineatum*. 29th Meeting of the Florida Chapter of the American Fisheries Society, Ocala, FL. Feb 17-19.
- 2008 Townsend JH, Luque-Montes IR, Wilson LD, Austin JD. The amphibians of Honduras: A critically endangered fauna of regional and global significance. National Conference of Science, Policy and Environment, Washington DC. Dec 8-10.
- 2008 Townsend JH, Austin JD, Butler JM, Wilson LD. Cryptic diversity within the taxon *Bolitoglossa porrasorum* (Caudata: Plethodontidae) revealed with mitochondrial sequence data. Latin America Congress of Herpetology, Topes de Collantes, Cuba. Nov 24-29.
- 2008 Stewart KA, Austin JD, Lougheed SC. Morphological and call divergence and contact zone dynamics of cryptic lineages of the spring peeper (*Pseudacris crucifer*). American Society of Ichthyologists and Herpetologists/Society for the Study of Amphibians and Reptiles/American Elasmobranch Society Joint Meeting Joint Meeting, Montreal, Quebec. Jul 23-28.
- 2008 Austin JD, Johnson A, Jelks H, Tate B, Jordan F. Genetic estimates of population structure of the endangered Okaloosa darter. Society of Ichthyologists and Herpetologists/Society for the Study of Amphibians and Reptiles/American Elasmobranch Society Joint Meeting Joint Meeting, Montreal, Quebec. Jul 23-28.
- 2008 Johnson NA, Williams JD, Austin JD. Understanding genetic methods in mollusk research. Southeastern Atlantic Slope Mollusk Meeting, Raleigh, North Carolina. Jan 8-9.
- 2007 Austin JD, Butler JM, Zamudio KR. Conservation genetics and evolutionary history of *Rana okaloosae*. ASIH/SSAR/AES Joint Meeting, St. Louis, Missouri. Jul 11-14.
- 2007 Austin JD, Johnson A, Jelks H, Tate B, Jordan F. Conservation genetics of the Okaloosa darter: integrating pattern and process in endangered species management. Southeastern Fishes Council, Chattanooga, Tennessee. Nov 10-11.
- 2007 Williams JD, Warren GL, Butler BS, Austin JD, Johnson NA. A Book on the Freshwater Mussels of Florida: Current Status and Future Direction. 21st Annual Meeting Florida Association of Benthic Biologists, Jonathan Dickson State Park, Stuart FL. Dec. 3
- 2007 Austin JD, Johnson A, Jelks H, Tate B, Jordan F. Conservation genetics of the Okaloosa darter: integrating pattern and process in endangered species management. Florida Genetics Symposium, Gainesville FL. Nov 7-8.
- 2006 Austin JD, Zamudio KR. 2006. Comparative mtDNA evolution and population history of widespread and endemic species of the *Aquarana* group (Anura: Ranidae). Society

for Molecular Biology and Evolution, Arizona State University, Tempe, Arizona. Jun 28-Jul 1.

- 2006 Austin JD, Johnson A, Jelks H, Tate B, Jordan F. Conservation genetics of the Okaloosa darter: integrating pattern and process in endangered species management. Southeastern Fishes Council, Chattanooga, Tennessee. Nov 10-11

TEACHING EXPERIENCE

Undergraduate

(Un)common Reads: Darwin's Origin of Species. (IDH2930; Fall 2020, 2022)
 Introduction to Conservation Genetics (WIS3553C; Spring term: 2015-2023, 2007-2013)
 UF in Swaziland 2017
 Field Herpetology (Field course, Queen's University, May 2006)

Graduate

Landscape Genetics (Spring 2022)
 Introduction to Applied Fisheries Genetics (Fall 2016)
 Molecular Ecology (Spring terms 2018, 2015, 2013, 2011, 2009)
 Systematic Reviews in Conservation (Spring 2008)
 Geographical Genetics (Spring 2007)

GRADUATE COMMITTEE ACTIVITIES

Year graduated; year estimated in parentheses

Role	Student	Home Department	Yr completed (anticipated)
Chair PhD	Charles Gumbi	Wildlife Ecology & Conservation	2022
Chair PhD	Andrew Marx	Wildlife Ecology & Conservation	DNF
Chair PhD	Nathan Johnson	Forestry, Fisheries & Geomatics	2017
Chair PhD	John Hargrove	Wildlife Ecology & Conservation	2017
Chair PhD	Matthew Shirley	Wildlife Ecology & Conservation	2013
Chair PhD	Josiah Townsend	Interdisciplinary Ecology	2011
Co-Chair PhD	Adele Pietras	Wildlife Ecology & Conservation	(2028)
Co-Chair PhD	Wesley Boone IV	Wildlife Ecology & Conservation	2020
Co-Chair PhD	Anmari Alvarez Aleman	Interdisciplinary Ecology	2019
Co-Chair PhD	Ellen Robertson	Wildlife Ecology & Conservation	2017
Chair MS	Kyra English	Wildlife Ecology & Conservation	(2024)
Chair MS	Celine Carniero	Interdisciplinary Ecology	2021
Chair MS	Jennifer Eells	Wildlife Ecology & Conservation	2019
Chair MS	Benjamin VanDine	Forestry, Fisheries & Geomatics	2018
Chair MS	Andrew Marx	Wildlife Ecology & Conservation	2017
Chair MS	Viviana Rojas Bonzi	Interdisciplinary Ecology	2015
Chair MS	Ileana Luque Montes	Wildlife Ecology & Conservation	2015
Chair MS	Jason Butler	Wildlife Ecology & Conservation	2008
Co-Chair MS	John Hargrove	Forestry, Fisheries & Geomatics	2010
Member PhD	Caroline Enloe	Biology	2022
Member PhD	Min Zhao	Biology	2022
Member PhD	Bethany Zumwalde	Biology	(2024)
Member PhD	Fezile Mtsetfwa	Interdisciplinary Ecology	2020

Member PhD	Lauren Hammer	Zoology	2020
Member PhD	Elizabeth White	Interdisciplinary Ecology	DNF
Member PhD	Madelon van de Kerk	Wildlife Ecology & Conservation	2016
Member PhD	Mariana Villegas	Wildlife Ecology & Conservation	2016
Member PhD	Daniel Greene	Wildlife Ecology & Conservation	2015
Member PhD	Divya Vasudev	Wildlife Ecology & Conservation	2013
Member PhD	Varun Goswami	Interdisciplinary Ecology	2013
Member PhD	Frank Bouchard	Genetics and Genomics	2012
Member PhD	James Heaney	Botany	DNF
Member PhD	Stein Servick	Botany	DNF
Member PhD	Jorge Pino	Zoology	2015
Member PhD	Alfred Thomson	Zoology	2013
Member PhD	Charlotte Aubrey	Botany	2012
Member PhD	Bret Pasch	Zoology	2011
Member PhD	Wendy Schelsky	Zoology	2010
Member MS	Brandon Parker	Wildlife Ecology & Conservation	2021
Member MS	Shannon Moore	Wildlife Ecology & Conservation	2018
Member MS	Erangi Heenkenda	Forestry, Fisheries & Geomatics	2017
Member MS	Catalina Rivadeneira	Interdisciplinary Ecology	2010
Member MS	Matthew Shirley	Wildlife Ecology & Conservation	2007

DNF – did not finish

SERVICE TO PROFESSION

2022	Promotion external review, Texas A&M
2021-curr.	Associate Editor, <i>Genetica</i>
2019-curr.	Associate Editor, <i>Conservation Genetics</i>
2017	External PhD reviewer for University of Stellenbosch, South Africa.
2017	Bahauddin Zakariya University, Pakistan: Mid-probationary review for tenure-track faculty
2016	Genome Canada: Large-Scale Genome Proposal Review Panel
2015	External PhD reviewer for Arid Agriculture University, Pakistan.
2013–curr.	Editor, <i>Florida Scientist</i> . Published by the Florida Academy of Sciences.
2011–19	UF Delegate to Board of Delegates for Organization for Tropical Studies. (Education and research consortium of 63 Universities)
2014–17	Associate Editor (Genetics), <i>The Journal of North American Herpetology</i>
2010	Biological review group for Florida Mouse (<i>Peromyscus floridanus</i>). Florida Fish & Wildlife Conservation.
2008–13	Associate Editor, <i>Animal Conservation</i>
2007	Panel member – Feasibility of captive breeding for recovery of beach mice. US Fish & Wildlife Service.

DEPARTMENTAL/UNIVERSITY SERVICE

2023	Wildlife Ecology & Conservation, acting dept Chair (2 weeks)
2023–curr.	Wildlife Ecology & Conservation Graduate Program Committee Chair
2020–22	IFAS Tenure and Promotion Committee
2021	IFAS Strategic Planning Committee

2020–22	Wildlife Ecology & Conservation Graduate Program Committee Member
2018–21	CALS Council for Teaching Enhancement and Innovation
2017–20	Land Use & Facilities Planning Committee. For Vice President for Business Affairs.
2017–18	Chair, New Faculty Search Committee for position in quantitative wildlife ecology
2018	Chair, Teaching Peer Review Committee for R. Fletcher (DWEC), and for B. McCleery.
2017	Member, Teaching Peer Review Committee for R. Fletcher (DWEC), and for H. Yang (SFRC).
2013	IFAS Award of Excellence for Graduate Research Dissertation Committee
2013	Member, New Faculty Search Committee for Assistant Professor in Molluscan Aquaculture
2012	NSF-IGERT pre-proposal reviewer
2011	Chair, Peer-review Teaching Committee, E. Bruna
2011	New Faculty Search Committee for Assistant/Associate Professor in Wildlife Ecology & Conservation
2010–13	Institute of Food and Agricultural Sciences (IFAS) Faculty Assembly
2010–12	College of Agricultural and Life Sciences (CALS) Graduate Student Awards, Scholarships and Fellowships Committee
2009–10	New Faculty Search Committee for Professor in Marine Fisheries Restoration, School of Forestry Resources & Conservation
2009–10	Department of Wildlife Ecology & Conservation (WEC)/Florida Fish & Wildlife Conservation Commission (FFWCC) Joint Committee on Research Cooperation and Enhancement
2009–20	Wildlife Ecology & Conservation Undergraduate Program Committee
2008–10	CALS International Education Committee
2008	School of Forestry Resources and Conservation (SFRC) Research Opportunity Incentive Seed Fund grant reviewer
2007, '12, '17	Wildlife Ecology & Conservation Seminar Series Coordinator
2008–10	IFAS Animal Research Committee

EXTRACURRICULAR UNIVERSITY SERVICE

2011-2013, 2016-17 UF - Minority Mentor Program (4 students, 3 years)

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

2010–curr.	American Genetics Association
2011–curr.	Florida Academy of Sciences
2014–curr.	The Wildlife Society
2013–curr.	American Society of Mammalogists
2008–19	American Fisheries Society
2015–2022	Sigma Xi

