

**CURRICULUM VITAE**  
**BROOK L. FLUKER, Ph.D.**  
Arkansas State University  
Dept. of Biological Sciences  
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**EDUCATION**

- Ph.D. 2011                      The University of Alabama, Tuscaloosa (Biology). Dissertation: Spring-adapted darters (Percidae: *Etheostoma*) as a model to understand factors that influence diversification, gene flow, and genetic variation in freshwater fishes. Advisor – Phillip M. Harris
- M.S. 2006                      The University of Louisiana at Monroe (Biology). Thesis: Molecular systematics, population structure and morphological variation of *Menidia beryllina* (Pisces: Atherinopsidae) from the Lower Mississippi Valley and nearby estuaries. Advisor – Frank Pezold
- B.S. 2000                      Henderson State University, Arkadelphia, AR (Biology)

**PROFESSIONAL EXPERIENCE**

**POSITIONS**

- 2014-present                      Assistant Professor of Aquatic Ecology and Curator of Fishes–Arkansas State University, Jonesboro, AR
- 2013–2014                      Assistant Professor (CLTF)–The University of Alabama, Tuscaloosa, AL (Biology)
- 2012–2013                      Full-time Instructor–The University of Alabama, Tuscaloosa, AL (Biology)
- 2012 (Spring)                      Part-time Instructor–The University of Alabama, Tuscaloosa, AL (Biology)
- 2011                      Graduate Teaching Assistant–The University of Alabama, Tuscaloosa, AL (Biology)
- 2008–2010                      Graduate Research Assistant–The University of Alabama, Tuscaloosa, AL (Biology)
- 2007–2008                      Interim Laboratory Manager–Steven Johnson Molecular Systematics Laboratory, The University of Alabama
- 2006–2008                      Graduate Fellow–The University of Alabama, Tuscaloosa, AL (Biology)

2003–2006	Graduate Teaching Assistant–University of Louisiana at Monroe, LA (Biology)
2002–2003	Research Technician–USDA Forest Service Southern Research Station, Hot Springs, AR
2001	Extra Help Field Ecologist–Dept. of Arkansas Heritage, Natural Heritage Commission, Little Rock, AR

## TEACHING

### Arkansas State University:

- Biology of Animals (BIO 1303)
- Biology of Animals Laboratory (BIO 1301)
- Honors Biology of Animals (BIO 1303-H)
- Population Genetics (BIO 4013/5013)
- Special Problems: Molecular Techniques (BIO 403V)
- Limnology (BIO 4603/5603)
- Limnology Lab (BIO 4601/5601)
- Ichthyology (BIO 4402/5402)
- Ichthyology Lab (BIO 4401/5401)
- Human Anatomy and Physiology II (BIO 2223)
- Guest Lecturer in Wildlife Mgmt Investigational Techniques Lab (BIO 4664)
- Animal Physiology (BIO 3323)
- Animal Physiology Lab (BIO 3321)
- Guest Lecturer in Curation of Collections (BIO 4813/5813)
- Natural History of Vertebrates (BIO 6342)
- Natural History of Vertebrates Lab (BIO 6352)

### The University of Alabama:

- Human Anatomy and Physiology I Lecture and Lab (BSC 215)
- Human Anatomy and Physiology II Lecture and Lab (BSC 216)
- Laboratory Coordinator for Human Anatomy and Physiology
- Principles of Biology I Lecture (BSC 114- Majors)
- Principles of Biology II Laboratory (BSC 117- Majors)
- Intro to BSC Instruction (BSC 403)- Lab Component
- Honors BSC Instruction (BSC 404)- Lab Component
- Biodiversity (Special Topics: BSC 497/695; Summer 2015)
- Guest Lecturer in Biology of Fishes (BSC 428/528)
- Guest Lecturer in Freshwater Studies (BSC 320)
- Guest Lecturer in Biodiversity (Special Topics: BSC 497/695)
- Guest Lecturer in Intro to Graduate Studies (Special Topics: BSC 695)
- Instructed undergraduate and graduate researchers in molecular biology techniques
- An introduction to geometric morphometrics: data collection and basic analysis of shape variation (one-day workshop, 16-Nov-2011).

### The University of Louisiana at Monroe:

- Fundamentals of Human Anatomy and Physiology I Lab (BIOL 116)
- Fundamentals of Human Anatomy and Physiology II Lab (BIOL 117)

## CURATORIAL

2014–present Curator of Fishes–Arkansas State University Museum of Zoology.  
2006–2012 Curatorial Assistant–University of Alabama Ichthyological Collection.  
2003–2006 Curatorial Assistant–University of Louisiana at Monroe Museum of Natural History Ichthyology Collection.

## GRADUATE STUDENT ADVISOR

2019-present Anna Pieri (M.S. Biology). Thesis: Effect of elevated nitrogen on freshwater mussel (*Bivalvia: Unionidae*) recruitment and population trends in the Buffalo National River. **Co-Advised with Jennifer Bouldin.**

2019-present Hilary Canada (M.S. Biology). Thesis: TBD.

2017-present Brittany L. McCall (Ph.D. Environmental Sciences). Dissertation: The potential use of madtom catfishes as conservation tools for the southeastern US.

2017-present Alexis Mross (M.S. Biology). Thesis: Assessing species boundaries among clades of the Least Darter, *Etheostoma microperca*, using multilocus species delimitation methods and morphological data.

2017-present Dustin Thomas (M.S. Biology). Thesis: Assessment of Walleye in the Eleven Point River, Arkansas, Following a Six-Year Stocking Gap.

2015-2018 Taylor Lee (M.S. Environmental Sciences). Thesis: Analysis of environmental DNA methods for the detection of small stream fishes. **Graduated May 2018**

2015-2017 Kyle Dineen (M.S. Biology). Thesis: Genetic connectivity of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) throughout the Mississippi Corridor. **Graduated December 2017**

2015-2017 Brittany L. McCall (M.S. Biology). Thesis: Stability at Low-densities or Endangered? Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). **Graduated August 2017**

## UNDERGRADUATE HONORS THESIS ADVISOR

2017-Present Tyler Brown (B.S. Biology). Honors Thesis: Effects of Black-spot Disease on the Body Condition of Bleeding Shiners, *Luxilus zonatus*.

2016-2019 Jennifer Taylor (B.S. Dietetics). Honors Thesis: Georeferencing Odonate Collections Cataloged in the Arkansas State University Museum of Zoology – An Update on Distributional Records in Arkansas. **Graduated August 2019**

2016-2019 Annie Savage (B.S. Biology and Environmental Science). Honors Thesis: An Annotated Checklist of Mayflies (Order Ephemeroptera) Cataloged in the Arkansas State University Museum of Zoology.  
**Graduated May 2019**

#### STUDENT COMMITTEES

2018-Present Andressa Alves Augusto (M.S. Environmental Science). Thesis: Tributary effects on water quality and fish assemblages in the Strawberry River, Arkansas.

2018-Present Justine Chester (M.S. Environmental Science). Thesis: TBD.

2016-present Jonathan W. Stanley (Ph.D. Environmental Science). Dissertation: Restoration effects of prescribed fire on rocky pinnacles in the Ouachita National Forest (Flatside Mountain Region).

2018-2019 Nathan Baggett (B.S. Biology). Honors Thesis: Georeferencing and Analyzing Sedge Collections from the Mississippi Alluvial Plain.

2017-2018 Samantha Richter-McKnight (B.S. Biology). Honors Thesis: Mangrove Systems as Nurseries for Caribbean Coral Reef Fishes.

2016-2018 Ukobong Ekpe (M.A. Biology). Project: Assessing water quality of St. Francis and Little River Watersheds in the Arkansas Delta Ecoregion.

2016-2018 Irene Sanchez Gonzales (M.S. Biology). Thesis: Abiotic and Biotic Characteristics of Water Quality in the Strawberry River, AR and its Tributaries.

2016-2017 Lindsey George (B.S. Biology). Honors Thesis: Isothermal DNA Amplification used for Discriminating Related Species of Catfish.

2016-2017 Erin Langley (B.S. Biology). Honors Thesis: Genetic Analysis of Adult and Juvenile Eastern Bluebirds in Arkansas.

2016-2017 Ania Welman (B.S. Biology). Honors Thesis: Analysis of Acute Shark Defense Repellent Toxicity in Fathead Minnow larvae, *Pimephales promelas*, and *Daphnia*.

2015-2017 Marla Moland (M.S. Environmental Science). Thesis: Methods Comparison to Evaluate Pollutants Found in Agricultural Runoff.

2015-2017 LeeVi Haas (M.S. Biology). Thesis: Water Quality Characteristics of Tailwater Recovery Systems associated with Agriculture Production in Northeast Arkansas.

2014-2017 Alix E. Matthews (M.S. Biology). Thesis: Birds and Ectoparasites: Effects of Feather Mites on Avian Fitness and Coevolution between Mites and Parulid Warblers.

- 2014-2017 Morgan Slevin (M.S. Biology). Thesis: Exploring Cavity Limitation, Density Dependence, and Regional Variation in Plumage Reflectance of Prothonotary Warblers (*Protonotaria citrea*).
- 2014-2017 Alexander Worm (M.S. Biology). Thesis: A Study of Habitat Characteristics and Hybridization in two expanding and sympatric *Tyrannus* species at the Periphery of their Ranges.
- 2016 Jeremiah Salinger (M.S. Biology). Thesis: Aspects of Chestnut Lamprey (*Ichthyomyzon castaneus*) host usage.
- 2014-2015 Geoffrey Payne (B.S. Wildlife Ecology & Management). Honors Thesis: Impacts of Sedimentation on Big Lake NWR, Manila, AR.
- 2014 Rachel Welicky (Ph.D. Environmental Science): Administered outside of area qualifying exam in population genetics.

#### **UNDERGRADUATE MENTOR**

- 2019-present Kelsey Wagster, Landen Ho, and Benjamin Brown of Arkansas State University- Mentor/Advisor for the SUPERB Scholarship Program (Cohort 2)
- 2017-present Tyler Brown, Aaliyah Green, and River Watson of Arkansas State University- Mentor/Advisor for the SUPERB Scholarship Program (Cohort 1)
- 2014-2019 Hilary Canada, Kandria Driskill, Annie Savage, Jennifer Taylor of Arkansas State University- Molecular biology techniques, PCR, DNA sequencing, and natural history collection curation techniques
- 2014-2017 Alexandra Hook, Kenny Jones, Starlene Loerch, Lindsey Martin, and Dustin Thomas of Arkansas State University- Molecular biology techniques, PCR, DNA sequencing, and natural history collection curation techniques
- 2013-2014 Allison Marsh, Martinique Gideon, and Haley Baker of the University of Alabama- Molecular biology techniques, PCR, and DNA sequencing
- 2010-2011 Matthew Piteo of the University of Alabama- Curatorial, Molecular biology techniques, PCR, and DNA sequencing
- 2009–2010 Stephen Cassidy of the University of Alabama- Molecular biology techniques, PCR, and DNA sequencing
- 2009 Robert Cassidy of the University of Alabama- Molecular biology techniques, PCR, and DNA sequencing
- 2003–2006 Mentored undergraduate researchers in the Howard Hughes Program at The University of Louisiana at Monroe

## HONORS AND AWARDS

- 2017 Research Professor of the Month at Arkansas State University (April).
- 2011 Second place, student oral presentation, Southeastern Fishes Council Annual Meeting (\$100)
- Travel Award, University of Alabama Department of Biological Sciences (\$1,000)
- David Bayne Scholarship, Alabama Fisheries Association (\$500)
- 2010 Third place, student oral presentation, Southeastern Fishes Council Annual Meeting (\$50)
- Chermock Prize–most outstanding graduate student in natural history and evolutionary biology, University of Alabama Department of Biological Sciences (\$300)
- 2009 First place, student oral presentation, Southeastern Fishes Council Annual Meeting (\$150)
- Travel Award, University of Alabama Department of Biological Sciences (\$225)
- 2008 Tuition scholarship (two years), University of Alabama Graduate School (\$13,400)
- Outstanding volunteer service, University of Alabama Department of Biological Sciences (\$300)
- 2007 Second place, student oral presentation, Southeastern Fishes Council Annual Meeting (\$100)
- 2006 Aquatic Biology Enhancement Fellowship (two years), University of Alabama Department of Biological Sciences (\$63,812)

## GRANTS AND CONTRACTS RECEIVED (\$4,109,438 total)

- 2018 **Arkansas Game and Fish Commission State Wildlife Grant.** \$36,482. Determining the Status and Distribution of *Obovaria* sp. cf. *arkansasensis* ("White" Hickorynut) in Arkansas. PI (Co-PI- John Harris)
- Arkansas Game and Fish Commission Section 6 Funds.** \$50,387. Determining the taxonomic status of Least Darter, *Etheostoma microperca*, populations in Arkansas. PI

- 2017 **Faculty Research Award (FRAC), Arkansas State University.** \$6,682. What factors promote isolation and genetic divergence among freshwater fish populations across the Gulf Coastal Plain of the southeastern United States? PI
- Arkansas Game and Fish Commission Section 6 Funds.** \$32,934. Traditional and Environmental DNA sampling to Determine the Status of the Federally Threatened Leopard Darter (*Percina pantherina*) in Arkansas (Year 2). PI.
- 2016 **Arkansas State University College of Sciences and Mathematics (GRADES).** \$4,350. The importance of “keeping common species common” in biodiversity conservation. PI
- National Science Foundation.** \$478,094. CSBR: Development of the Arkansas Center for Biodiversity Collections to advance biodiversity research and education. PI
- National Science Foundation.** \$3,271,703. Collaborative Research: Upper Delta Region Biodiversity Scholarship. Co-PI (PI- Travis Marsico)
- Arkansas Game and Fish Commission Section 6 Funds.** \$27,000. Traditional and Environmental DNA sampling to Determine the Status of the Federally Threatened Leopard Darter (*Percina pantherina*) in Arkansas (Year 1). PI.
- 2015 **Arkansas Game and Fish Commission State Wildlife Grant.** \$56,857. Status survey and population characteristics of the Paleback Darter (*Etheostoma pallidorsum*) and the Caddo Madtom (*Noturus taylori*). PI
- Faculty Research Award (FRAC), Arkansas State University.** \$8,326. Endangered before described? Using genetic data to inform conservation planning for the Blueface Darter, a rare undescribed fish in northwest Alabama. PI.
- 2010 **The University of Alabama Graduate Student Association.** \$170. Conference travel grant.
- Department of Conservation and Natural Resources, Wildlife and Freshwater Fisheries Division, State of Alabama.** \$5,000. Genetics of the Trispot Darter, *Etheostoma trisella*. (year two) Co-PI with Bernard R. Kuhajda.
- World Wildlife Fund.** \$26,100. The effect of Lake Martin (Reservoir) on gene flow in Tallapoosa River fishes. Co-PI with Bernard R. Kuhajda and Phillip M. Harris.

- 2009 **Department of Conservation and Natural Resources, Wildlife and Freshwater Fisheries Division, State of Alabama.** \$5,000. Genetics of the Trispot Darter, *Etheostoma trisella*. (year one) Co-PI with Bernard R. Kuhajda.
- The University of Alabama Graduate Student Association.** \$200. Conference travel grant.
- The University of Alabama Graduate School.** \$600. Conference travel grant.
- 2008 **The University of Alabama Graduate Student Association.** \$500. Conference travel grant.
- The University of Alabama Graduate School.** \$600. Conference travel grant.
- 2007 **The University of Alabama Graduate Student Association.** \$500. Research Grant: Development of microsatellite DNA primers for North American Atherinopsids.
- Department of Conservation and Natural Resources, Wildlife and Freshwater Fisheries Division, State of Alabama.** \$92,953. Conservation genetics of spring associated darters in Alabama. Co-PI with Bernard R. Kuhajda and Phillip M. Harris.
- Department of Conservation and Natural Resources, Wildlife and Freshwater Fisheries Division, State of Alabama.** \$5,000. Status, distribution survey, and genetics of the endangered Watercress Darter, *Etheostoma nuchale*. Co-PI with Bernard R. Kuhajda and Phillip M. Harris.

**PUBLICATIONS** (‡graduate mentee; †undergraduate mentee)

9. McCall B. L.‡, **Fluker B. L.** (in press) Spatiotemporal population dynamics of the Caddo Madtom (*Noturus taylori*), a narrow-range endemic of the Ouachita Highlands. **Conservation Genetics**.
8. **Fluker B. L.**, Jones K. D.†, Kuhajda B. R. (2019). Genetic structure and diversity of the blueface darter *Etheostoma cyanoprosopum*, a microendemic freshwater fish in the southeastern USA. **Endangered Species Research** 40:133–147. <https://doi.org/10.3354/esr00986>
7. Worm A. J., Roeder D. V., Husak M. S., **Fluker B. L.**, Boves, T. J. (2019). Characterizing patterns of introgressive hybridization between two species of *Tyrannus* following concurrent range expansion. **Ibis** 161:770–780. <https://doi.org/10.1111/ibi.12674>
6. **Fluker B. L.**, Kuhajda B. R., Harris P. M. (2014). The influence of life-history strategy on genetic differentiation and lineage divergence in darters (Percidae: Etheostomatinae). **Evolution** 68:3199–3216. <https://doi.org/10.1111/evo.12505>



5. **Fluker B. L.**, Kuhajda B. R., Harris P. M. (2014). The effects of riverine impoundment on genetic structure and gene flow in two stream fishes in the Mobile River basin. **Freshwater Biology** 59:526–543. <https://doi.org/10.1111/fwb.12283>
4. **Fluker B. L.**, Pezold F., Minton R. L. (2011). Molecular and morphological divergence in the Inland Silverside (*Menidia beryllina*) along a freshwater-estuarine interface. **Environmental Biology of Fishes** 91:311–325. <https://doi.org/10.1007/s10641-011-9786-2>
3. **Fluker B. L.**, Kuhajda B. R., Lang N. J., Harris P. M. (2010). Low genetic diversity and small long-term population sizes in the spring endemic Watercress Darter, *Etheostoma nuchale*. **Conservation Genetics** 11:2267–2279. <https://doi.org/10.1007/s10592-010-0111-y>
2. Duncan R. S., Elliot C., **Fluker B. L.**, Kuhajda B. R. (2010). Habitat use of the Watercress Darter, *Etheostoma nuchale*: an endangered fish in an urban landscape. **American Midland Naturalist** 164(1):9–21. <https://doi.org/10.1674/0003-0031-164.1.9>
1. **Fluker B. L.**, Kuhajda B. R., Duncan R. S., Salter E. L., Schulman M. (2009). Impacts of a small dam removal on the endangered Watercress Darter. **Proceedings of the Southeastern Association of Fish and Wildlife Agencies** 63:188–195.

#### IN REVIEW

McCall B. L.‡, **Fluker B. L.** Conservation genetic assessment of the Paleback Darter (*Etheostoma pallidorsum*), an endemic of the Ouachita Highlands. **Aquatic Conservation Marine and Freshwater Ecosystems**

McCall B. L.‡, **Fluker B. L.** Status survey and habitat assessment of the Caddo Madtom (*Noturus taylori*), a narrow endemic of the Ouachita Highlands. **Southeastern Fishes Council Proceedings**

#### IN PREPARATION

Johnson R. L., Canada H. K.‡, **Fluker B. L.** Assessment of genetic structure and diversity among reservoir-fragmented populations of the endangered Yellowcheek Darter. (in prep for Endangered Species Research)

Dineen K.‡, **Fluker B. L.** Conservation of common species: a case study of co-distributed fishes in the eastern United States. (in prep for Aquatic Conservation Marine and Freshwater Ecosystems)

Rath M.†, **Fluker B. L.**, Jones K.†, Martin L.†, Mross A.†, Loerch S. M.† Saving the Endangered Dead: A Comparison of Rehydration Methods for Desiccated Preserved Fish Specimens. (in prep for Collection Forum)

**Fluker B. L.**, Kuhajda B. R., Harris P. M. Testing predictions of peripatric speciation using the *Etheostoma swaini* species complex (Percidae: Etheostomatinae) in the Mobile Basin of the southeastern United States. (in prep for Ecology and Evolution)

**Fluker B. L.**, Piteo M. S., Kuhajda B. R. Genetic diversity and population structure of the Trispot Darter (*Etheostoma trisella*) in the fragmented Coosa River system in the southeastern United States. (in prep for Conservation Genetics)

## UNPUBLISHED REPORTS

15. **Fluker B. L.**, McCall B. M. 2017. Status survey and population characteristics of the Paleback Darter (*Etheostoma pallidorsum*) and the Caddo Madtom (*Noturus taylori*). Interim report to the Arkansas Game and Fish Commission State Wildlife Grant Program. 20pp.
14. **Fluker B. L.**, Lee T. K. 2017. Traditional and Environmental DNA sampling to Determine the Status of the Federally Threatened Leopard Darter (*Percina pantherina*) in Arkansas. Year 1 Final report to the Arkansas Game and Fish Commission Section 6 Grant Program. 37pp.
13. **Fluker B. L.**, Lee T. K. 2017. Traditional and Environmental DNA sampling to Determine the Status of the Federally Threatened Leopard Darter (*Percina pantherina*) in Arkansas. Year 2 Interim report to the Arkansas Game and Fish Commission Section 6 Grant Program. 19pp.
12. **Fluker B. L.**, McCall B. M. 2016. Status survey and population characteristics of the Paleback Darter (*Etheostoma pallidorsum*) and the Caddo Madtom (*Noturus taylori*). Interim report to the Arkansas Game and Fish Commission State Wildlife Grant Program. 20pp.
11. **Fluker B. L.**, Lee T. K. 2016. Traditional and Environmental DNA sampling to Determine the Status of the Federally Threatened Leopard Darter (*Percina pantherina*) in Arkansas. Year 1 Interim report to the Arkansas Game and Fish Commission Section 6 Grant Program. 17pp.
10. **Fluker B. L.**, Kuhajda B. R., Harris P. M. 2011. Conservation genetics of spring associated darters in Alabama. Final report to Alabama Dept. of Conservation and Natural Resources State Wildlife Grant Program. 145pp.
9. **Fluker B. L.**, Kuhajda B. R., Harris P. M. 2011. The Effect of Martin Lake Reservoir on Gene Flow in Tallapoosa River Fishes. World Wildlife Fund 37pp.
8. **Fluker B. L.**, Kuhajda B. R. 2011. Genetics of the Trispot Darter, *Etheostoma trisella*. U. S. Fish and Wildlife Service, Jackson, MS. 13pp.
7. Kuhajda B. R., **Fluker B. L.** 2009. Status of the endangered Alabama cavefish *Speoplatyrhinus poulsoni*. U. S. Fish and Wildlife Service, Jackson, MS. 17pp.
6. Kuhajda B. R., **Fluker B. L.** 2009. Molecular Systematics and Taxonomy of the Blueface Darter, *Etheostoma* sp. cf. *zonistium*, in upper Bear Creek (Tennessee River Drainage) and Hubbard Creek (Black Warrior River Drainage), Alabama. U. S. Fish and Wildlife Service, Jackson, MS. 8pp.
5. **Fluker B. L.**, Kuhajda B. R., Harris P. M. 2009. Status and distribution survey and genetics of the endangered Watercress Darter, *Etheostoma nuchale*. Alabama Department of Conservation and Natural Resources (Montgomery, AL) and U.S. Fish and Wildlife Service (Jackson, MS). 46pp.
4. Duncan R. S., Kuhajda B. R., **Fluker B. L.**, Davenport, L., Howell, W. M., Marion, K. R., Stiles R. A. 2008. Science-based Recommendations for the Near- and Long-term Survival of the Watercress Darter (*Etheostoma nuchale*) in Roebuck Springs, Birmingham Alabama. U. S. Fish and Wildlife Service. 10pp.

3. **Fluker B. L.**, Kuhajda B. R., Harris P. M. 2008. Status and distribution survey and genetics of the endangered Watercress Darter, *Etheostoma nuchale*. The Alabama Department of Conservation and Natural Resources (Montgomery, AL) and the U.S. Fish and Wildlife Service (Jackson, MS). 38pp. plus appendices.
2. **Fluker B. L.**, Kuhajda B. R., Harris P. M. 2008. Conservation genetics of spring associated darters in Alabama. Alabama Fisheries Association Newsletter (Summer).
1. **Fluker B. L.**, Kuhajda B. R., Khudamrongsawat J. 2007. Molecular Systematics and Taxonomy of the Rush Darter, *Etheostoma phytophilum*, in the Clear Creek System of the Sipsey Fork (Black Warrior River Drainage), Winston County, Alabama. The U.S. Fish and Wildlife Service, Jackson, MS. 31pp.

## PRESENTATIONS

### INVITED

8. Fluker B. L. 11-Aug-2017. The importance of small natural history collections for teaching, research, and outreach. **SUPERB Scholarship Program 2017 Summer Institute, Counce, TN.**
7. Fluker B. L. 21-Apr-2017. The importance of small natural history collections for teaching, research, and outreach. **University of West Alabama.**
6. Fluker B. L. 2-Apr-2015. Aquatic biodiversity in the southeast: where did it come from and where is it going? **University of Central Arkansas.**
5. Fluker B. L. 28-Mar-2014. Aquatic biodiversity in the southeast: where did it come from and where is it going? **Eastern Kentucky University.**
4. Fluker B. L. 2013. Using McGraw-Hill Connect in Blackboard in the Biological Sciences. **The 2013 Center for Instructional Technology Faculty Technology Showcase, University of Alabama, Tuscaloosa.**
3. Fluker B. L., Kuhajda B. R., Harris P. M. 2008. Conservation genetics of spring associated darters in Alabama. **Alabama Department of Conservation and Natural Resources State Wildlife Grant annual review meeting, Tuscaloosa, AL.**
2. Fluker B. L. 2007. Status, distribution, and genetic structure of the Watercress Darter, *Etheostoma nuchale*. **Watercress Darter National Wildlife Refuge Comprehensive Conservation Plan Meeting, McCalla, AL.**
1. Fluker B. L. 2006. Molecular systematics, population structure and morphological variation of the inland silverside, *Menidia beryllina*, from the lower Mississippi valley and nearby estuaries. **Henderson State University, Arkadelphia, AR.**

CONFERENCE (\*presenter; ‡graduate mentee; †undergraduate mentee; ^student award)

103. Pieri A. M.\*‡, Harris J. L., Fluker B. L., Bouldin J. L., Steevens J. A. 2019. Evaluation of elevated nitrogen on freshwater mussel (*Bivalvia*: Unionidae) recruitment and population trends in the Buffalo National River. (poster) **Southeastern Fishes Council, Knoxville, TN.**
102. Brown T.\*†, Martin L., Fluker B. L. 2019. Effects of Black-spot Disease on the Body Condition of Bleeding Shiners, *Luxilus zonatus*. (poster) **Southeastern Fishes Council, Knoxville, TN.**
101. Mross A. M.\*‡^, Fluker B. L. 2019. Assessing species boundaries among clades of the Least Darter, *Etheostoma microperca*, using multilocus species delimitation methods and morphological data. (poster) **Southeastern Fishes Council, Knoxville, TN.**
100. Canada H. K.‡\*, Johnson R. L., Fluker B. L. 2019. Conservation genetic assessment of the endangered Yellowcheek Darter (*Nothonotus moorei*). (poster) **Southeastern Fishes Council, Knoxville, TN.**
99. Watson R. A.\*†^, Fluker B. L., Kuhajda B. R. 2019. Taxonomic evaluation of the Goldstripe Darter, *Etheostoma parvipinne*, using species delimitation methods with molecular and morphological data. (oral) **Southeastern Fishes Council, Knoxville, TN.**
98. McCall B. L.\*‡, Fluker B. L. 2019. Applications of hydrologic-climatic, genetically informed species distribution modelling for headwater conservation. (poster) **Southeastern Fishes Council, Knoxville, TN.**
97. Canada H. K.‡, Perkins M. T., George A. L., Kuhajda B. R., Fluker B. L.\* 2019. Population genetic assessment of the endangered Cumberland Darter (*Etheostoma susanae*). (lightning talk) **Southeastern Fishes Council, Knoxville, TN.**
96. Canada H. K.\*†, Fluker B. L., Taylor J. C.†, Savage A. E.†, McCall B. L.‡, Watson R. A.†, Harris K. M., Loerch S. M.† 2019. Project Macroinvert: bringing aquatic macroinvertebrate collections out of the dark at Arkansas State University. (poster) **Society for the Preservation of Natural History Collections, Chicago, IL.**
95. Watson R. A.\*†, Fluker B. L., Kuhajda B. R. 2019. Taxonomic evaluation of the Goldstripe Darter *Etheostoma parvipinne*, using species delimitation methods with molecular and morphological data. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Hot Springs, AR.**
94. Canada H. K.\*†, McCall B. L.‡, Fluker B. L. 2019. Phylogeographic analyses suggests cryptic diversity within the Bluntnose Darter, *Etheostoma chlorosoma*. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Hot Springs, AR.**
93. Thomas D. R.\*‡, Timmons B., Fluker B. L., Asher A. 2019. Assessment of Walleye in the Eleven Point River, Arkansas, following a six-year stocking gap. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Hot Springs, AR.**
92. Brown T.\*†, Martin L., Fluker B. L. 2018. Effects of Black-spot Disease on the Body Condition of Bleeding Shiners, *Luxilus zonatus*. (poster) **Southeastern Fishes Council, McCormick, SC.**

91. Watson R. A.\*†, Fluker B. L., Kuhajda B. R. 2018. Taxonomic evaluation of the Goldstripe Darter *Etheostoma parvipinne*, using species delimitation methods with molecular and morphological data. (poster) **Southeastern Fishes Council, McCormick, SC.**
90. Taylor J. C.\*†, Savage A. E.†, Fluker B. L. 2018. Project Macroinvert: unlocking geospatial data of odonates from the aquatic macroinvertebrate collection at Arkansas State University. (poster) **Southeastern Fishes Council, McCormick, SC.**
89. Canada H. K.\*†, McCall B. L.‡, Fluker B. L. 2018. Phylogeographic analyses suggests cryptic diversity within the Bluntnose Darter, *Etheostoma chlorosoma*. (poster) **Southeastern Fishes Council, McCormick, SC.**
88. Thomas D. R.\*‡^, Fluker B. L., Timmons B. 2018. Assessment of Walleye in the Eleven Point River, Arkansas, following a six-year stocking gap. (poster) **Southeastern Fishes Council, McCormick, SC.**
87. Savage A. E.\*†, Taylor J. C.†, Harris K. M., Fluker B. L. 2018. Project Macroinvert: bringing mayfly (Ephemeroptera) collections out of the dark at Arkansas State University. (poster) **Southeastern Fishes Council, McCormick, SC.**
86. Mross A. M.\*‡, Fluker B. L. 2018. Assessing species boundaries among clades of the Least Darter, *Etheostoma microperca*, using multilocus species delimitation methods and morphological data. (poster) **Southeastern Fishes Council, McCormick, SC.**
85. McCall B. L.‡, Fluker B. L.\* 2018. Status Survey and population characteristics of the Paleback Darter (*Etheostoma pallididorsum*) and the Caddo Madtom (*Noturus taylori*). (oral) **Arkansas Wildlife Action Plan Meeting, Mount Magazine State Park, AR.**
84. Canada H. K.\*†, Fluker B. L. 2018. Phylogeographic analyses suggests cryptic diversity within the Bluntnose Darter, *Etheostoma chlorosoma*. (poster) **Arkansas Academy of Science Annual Meeting, Jonesboro, AR.**
83. Thomas D. R.\*‡, Fluker B. L., Timmons B. 2018. Stocking assessment and long-term impacts of non-native Walleye on the native population in the Eleven Point River, Arkansas (oral) **Arkansas Academy of Science Annual Meeting, Jonesboro, AR.**
82. McCall B. L.\*‡, Fluker B. L. 2018. Status Survey and Conservation Genetic Assessment of the Paleback Darter, *Etheostoma pallididorsum*. (oral) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Pine Bluff, AR.**
81. Canada H. K.\*†, Fluker B. L. 2017. Phylogeographic analyses suggests cryptic diversity within the Bluntnose Darter, *Etheostoma chlorosoma*. (poster) **Southeastern Fishes Council, Chattanooga, TN.**
80. McCall B. L.\*‡, Fluker B. L. 2017. Status Survey and Conservation Genetic Assessment of the Paleback Darter, *Etheostoma pallididorsum*. (poster) **Southeastern Fishes Council, Chattanooga, TN.**
79. McCall B. L.\*‡, Fluker B. L. 2017. Stability at Low Densities or Endangered? Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). (oral) **Southeastern Fishes Council, Chattanooga, TN.**

78. Martin L.\*†, Fluker B. L. 2017. Effects of Black-spot Disease on the Body Condition of Bleeding Shiners, *Luxilus zonatus*. (poster) **Southeastern Fishes Council, Chattanooga, TN.**
77. Driskill K. N.\*†, Dineen K. J. ‡, Fluker B. L. 2017. Body shape variation within and among lineages of the Rainbow Darter, *Etheostoma caeruleum*. (poster) **Southeastern Fishes Council, Chattanooga, TN.**
76. Dineen K. J.‡, Fluker B. L.\* 2017. Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) Throughout the Mississippi Corridor. (oral) **Southeastern Fishes Council, Chattanooga, TN.**
75. Thomas D. R.\*‡, Fluker B. L. 2017. Analysis of body shape variation among restricted and widespread populations of the Southern Redbelly Dace, *Chrosomus erythrogaster*. (poster) **Southeastern Fishes Council, Chattanooga, TN.**
74. Martin L.\*†, Fluker B. L. 2017. Effects of Black-spot Disease on the Body Condition of Bleeding Shiners, *Luxilus zonatus*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.**
73. Dineen K. J.\*‡, Fluker B. L. 2017. Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) Throughout the Mississippi Corridor. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.**
72. Driskill K. N.\*†, Dineen K. J. ‡, Fluker B. L. 2017. Body shape variation within and among lineages of the Rainbow Darter, *Etheostoma caeruleum*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.**
71. Thomas D. R.\*†, Fluker B. L. 2017. Analysis of body shape variation among restricted and widespread populations of the Southern Redbelly Dace, *Chrosomus erythrogaster*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.**
70. McCall B. L.\*‡, Fluker B. L. 2017. Status Survey and Conservation Genetic Assessment of the Paleback Darter, *Etheostoma pallididorsum*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.**
69. McCall B. L.\*‡, Fluker B. L. 2017. Stability at Low Densities or Endangered? Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). (oral) **Joint Meeting of Ichthyologists and Herpetologists, Austin, TX.**
68. Lee T. K.\*‡, Fluker B. L. 2017. Environmental DNA vs. traditional sampling: a case study using the Federally Threatened Leopard Darter, *Percina pantherina*. (oral) **Arkansas Academy of Science Annual Meeting, Conway, AR.**
67. Martin L.\* †, Fluker B. L. 2017. Effects of Black-spot Disease on the Body Condition of Bleeding Shiners, *Luxilus zonatus*. (poster) **Arkansas Academy of Science Annual Meeting, Conway, AR.**

66. Dineen K. J.\*‡, Fluker B. L. 2017. Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) Throughout the Mississippi Corridor. (poster) **Arkansas Academy of Science Annual Meeting, Conway, AR.**
65. Driskill K. N.\*‡, Dineen K. J. ‡, Fluker B. L. 2017. Body shape variation within and among lineages of the Rainbow Darter, *Etheostoma caeruleum*. (poster) **Arkansas Academy of Science Annual Meeting, Conway, AR.**
64. Fluker. B. L.\*, Marsico T. D., Trauth S. E., Harris J. L., Harris K. 2017. Development of the Arkansas Center for Biodiversity Collections (ACBC) at Arkansas State University. (oral) **Arkansas Academy of Science Annual Meeting, Conway, AR.**
63. Thomas D. R.\*‡, Fluker B. L. 2017. Analysis of body shape variation among restricted and widespread populations of the Southern Redbelly Dace, *Chrosomus erythrogaster*. (poster) **Arkansas Academy of Science Annual Meeting, Conway, AR.**
62. McCall B. L.\*‡, Fluker B. L. 2017. Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). (oral) **Arkansas Academy of Science Annual Meeting, Conway, AR.**
61. Lee T. K.\*‡, Fluker B. L. 2017. Environmental DNA vs. traditional sampling: a case study using the Federally Threatened Leopard Darter, *Percina pantherina*. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Texarkana, AR.**
60. McCall B. L.\*‡^, Fluker B. L. 2017. Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Texarkana, AR.**
59. Dineen K. J.\*‡, Fluker B. L. 2017. Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) Throughout the Mississippi Corridor. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Texarkana, AR.**
58. Driskill K. N.\*‡, Dineen K. J. ‡, Fluker B. L. 2017. Body shape variation within and among lineages of the Rainbow Darter, *Etheostoma caeruleum*. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Texarkana, AR.**
57. Fluker. B. L.\*, Marsico T. D., Trauth S. E., Harris J. L., Harris K. 2017. Development of the Arkansas Center for Biodiversity Collections (ACBC) at Arkansas State University. (oral) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Texarkana, AR.**
56. Thomas D. R.\*‡, Fluker B. L. 2017. Analysis of body shape variation among restricted and widespread populations of the Southern Redbelly Dace, *Chrosomus erythrogaster*. (poster) **Arkansas Chapter of the American Fisheries Society Annual Meeting, Texarkana, AR.**
55. Dineen K. J.\*‡, Fluker B. L. 2016. Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) Throughout the Mississippi Corridor. (poster) **Southeastern Fishes Council, Jackson, MS.**

54. Driskill K. N.\*†, Fluker B. L. 2016. Body shape variation within and among lineages of the Rainbow Darter, *Etheostoma caeruleum*. (poster) **Southeastern Fishes Council, Jackson, MS.**
53. Fluker B. L.\* 2016. Identifying Phylogeographic Breaks in Darters Across the Gulf Coastal Plain of the Southeastern United States. (oral) **Southeastern Fishes Council, Jackson, MS.**
52. Jones K.\*†, Fluker B. L., Kuhajda B. R. 2016. Conservation genetics of the undescribed Blueface Darter (*Etheostoma* sp. cf. *zonistium*), a rare fish in northwest Alabama. (oral) **Southeastern Fishes Council, Jackson, MS.**
51. Lee T. K.\*‡^, Fluker B. L. 2016. Environmental DNA vs. traditional sampling: a case study using the Federally Threatened Leopard Darter, *Percina pantherina*. (poster) **Southeastern Fishes Council, Jackson, MS.**
50. McCall B. L.‡, Fluker B. L.\* 2016. Status survey and conservation genetic assessment of the Paleback Darter, *Etheostoma pallididorsum*. (poster) **Southeastern Fishes Council, Jackson, MS.**
49. McCall B. L.\*‡^, Fluker B. L. 2016. Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). (poster) **Southeastern Fishes Council, Jackson, MS.**
48. Thomas D. R.\*†, Fluker B. L. 2016. Analysis of body shape variation among restricted and widespread populations of the Southern Redbelly Dace, *Chrosomus erythrogaster*. (poster) **Southeastern Fishes Council, Jackson, MS.**
47. Fluker B. L.\* 2016. Identifying Phylogeographic Breaks in Darters Across the Gulf Coastal Plain of the Southeastern United States. (oral) **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.**
46. Dineen K. J.\*‡, Fluker B. L. 2016. Genetic Structure and Diversity of Disjunct Populations of Rainbow Darters (*Etheostoma caeruleum*) and Southern Redbelly Dace (*Chrosomus erythrogaster*) Throughout the Mississippi Corridor. (poster) **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.**
45. McCall B. L.\*‡, Fluker B. L. 2016. Spatiotemporal Population Dynamics of the Caddo Madtom (*Noturus taylori*). (poster) **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.**
44. Lee T. K.\*‡, Fluker B. L. 2016. Comparison of Water and Sediment Samples for Environmental DNA Detection of Rare Freshwater Fishes: a Case Study Using the Federally Threatened Leopard Darter, *Percina pantherina*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.**
43. Rath M.\*†, Jones K.†, Martin L.†, Mross A.†, Loerch S. M.†, Hook A.†, Fluker B. L. 2016. Saving the Endangered Dead: A Comparison of Rehydration Methods for Desiccated Preserved Fish Specimens. (oral) **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.**
42. Jones K.\*†, Fluker B. L., Kuhajda B. R. 2016. Conservation genetics of the Blueface Darter (*Etheostoma* sp. cf. *zonistium*), a rare undescribed fish in northwest Alabama. (oral) **Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA.**



41. Rath M.\*†, Jones K.†, Martin L.†, Mross A.†, Loerch S. M.†, Hook A.†, Fluker B. L. 2015. Saving the Endangered Dead: A Comparison of Rehydration Methods for Desiccated Preserved Fish Specimens. (oral) **Southeastern Fishes Council, Gainesville, FL.**
40. Buford J. \*†, McCall B. L.‡, Fluker B. L. 2015. The importance of georeferencing small natural history collections and their contributions to large online databases. (poster) **Southeastern Fishes Council, Gainesville, FL.**
39. Jones K.\*†^, Fluker B. L., Kuhajda B. R. 2015. Conservation genetics of the Blueface Darter (*Etheostoma* sp. cf. *zonistium*), a rare undescribed fish in northwest Alabama. (poster) **Southeastern Fishes Council, Gainesville, FL.**
38. Fluker B. L.\*, Kuhajda B. R. 2015. Testing predictions of peripatric speciation in the Mobile Basin of the southeastern United States. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Reno, NV.**
37. Jones K.\*†, Fluker B. L., Kuhajda B. R. 2015. Conservation genetics of the Blueface Darter (*Etheostoma* sp. cf. *zonistium*), a rare undescribed fish in northwest Alabama. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Reno, NV.**
36. Mross A.\*†, Fluker B. L. 2015. Phylogeography of the Slough Darter, *Etheostoma gracile*, across the Gulf Coastal Plain. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Reno, NV.**
35. Rath M. \*†, Hook A. †, Jones K. †, Loerch S. M. †, Martin L. †, Mross A. †, Fluker B. L. 2015. Rehydration of desiccated fish specimens in the Arkansas State University Museum of Zoology Ichthyology Collection. (poster) **Society for the Preservation of Natural History Collections 30<sup>th</sup> Annual Meeting, Gainesville, FL.**
34. Loerch S. M.\*†, Harris J. L., Klotz T., Fluker B. L. 2014. Restoration and revitalization the Arkansas State University Museum of Zoology Ichthyology Collection. (poster) **Southeastern Fishes Council, Asheville, NC.**
33. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2012. The effect of reservoirs on gene flow in stream fishes revisited: analysis of two species from the Tallapoosa River system in Alabama. (oral) **Southeastern Fishes Council, New Orleans, LA.**
32. Sandel M.\*, Kuhajda B. R., Fluker B. L. 2012. Aquatic biodiversity conservation and implications for human health. (oral) **North American Native Fishes Association Annual Convention, Salt Fork State Park, OH.**
31. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2011. Spring-adapted species as a model for understanding the genetic consequences of aquatic habitat fragmentation. (oral) **Southeastern Fishes Council, Chattanooga, TN.**
30. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2011. The effect of reservoirs on gene flow in stream fishes: analysis of two species from the Tallapoosa River system in Alabama. (poster) **Southeastern Fishes Council, Chattanooga, TN.**

29. Piteo M. S.\*†, Fluker B. L., Kuhajda B. R. 2011. Population structure of the imperiled Trispot Darter, *Etheostoma trisella*, in Little Canoe Creek, Coosa River drainage, Mobile Basin, Alabama. (oral) **Southeastern Fishes Council, Chattanooga, TN.**
28. Kuhajda B. R.\*, Sandel M., Fluker B. L. 2011. Response of a fish community to stream restoration after a coal slurry spill in a tributary to the North River (Black Warrior River drainage, Mobile Basin) in Alabama. (oral) **Southeastern Fishes Council, Chattanooga, TN.**
27. Fluker B. L., Kuhajda B. R.\*, Harris P. M. 2011. The effect of reservoirs on gene flow in stream fishes: analysis of two species from the Tallapoosa River system in Alabama. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN.**
26. Fluker B. L., Kuhajda B. R.\* 2011. Phylogeography of the subgenus *Fuscatelum* (Percidae: *Etheostoma*) based on mitochondrial and nuclear DNA sequences. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN.**
25. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2011. Population genetic structure and diversity of the Coldwater Darter complex in the Coosa River drainage. (oral) **Alabama Fisheries Association, Mobile, AL.**
24. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2010. Genetic divergence and sympatric occurrence of the spring inhabiting Coldwater Darter (*Etheostoma ditrema*) and an undescribed stream inhabiting form (*E. sp. cf. ditrema*). (oral) **Southeastern Fishes Council, Athens, GA.**
23. Howell J. H.\*, Kuhajda B. R., Fluker B. L. 2010. Imperiled fishes of lower Shades Creek, Cahaba River drainage of the Mobile Basin. (oral) **Southeastern Fishes Council, Athens, GA.**
22. Fluker B. L., Kuhajda B. R.\* 2010. Genetic structure of the imperiled Trispot Darter, *Etheostoma trisella*, in the Coosa River drainage of the Mobile Basin. (oral) **Southeastern Fishes Council, Athens, GA.**
21. Fluker B. L., Kuhajda B. R.\* 2010. Rediscovery of the imperiled Trispot Darter, *Etheostoma trisella*, in Alabama, and its phylogeographic structure within the Coosa River drainage of the Mobile Basin. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Providence, RI.**
20. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2010. Dispersal ability and genetic variability in two closely related spring-dependent darters, *Etheostoma boschungii* and *E. tuscumbia*. (oral) **Alabama Fisheries Association, Florence, AL.**
19. Fluker B. L.\*, Teoh V., Kuhajda B. R. 2010. The first record of the exotic oriental weatherfish *Misgurnus anguillicaudatus* in Alabama. (poster) **Alabama Fisheries Association, Florence, AL.**
18. Kuhajda B. R.\*, Fluker B. L. 2010. Survey of Key Cave and the status of the endangered Alabama Cavefish *Speoplatyrhinus poulsoni*. (oral) **Alabama Fisheries Association, Florence, AL.**
17. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2009. Comparative phylogeography of *Etheostoma boschungii* and *E. tuscumbia*: assessing habitat preference and dispersal ability. (oral) **Southeastern Fishes Council, Guntersville, AL.**

16. Fluker B. L.\*, Kuhajda B. R., Duncan R. S., Salter E. L., Schulman M. 2009. Impacts of a small dam removal on the endangered Watercress Darter (*Etheostoma nuchale*) in Roebuck Spring, Birmingham, Alabama. (oral) **63<sup>rd</sup> Annual Southeastern Association of Fish and Wildlife Agencies Conference, Atlanta, GA.**
15. Fluker B. L. 2009. Molecular Divergence in the Highly Imperiled Rush Darter, *Etheostoma phytophilum*, Relative to its Widespread Congener *E. parvipinne*. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Portland, OR.**
14. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2009. Genetic structure of the federally threatened Slackwater Darter, *Etheostoma boschungii*. (oral) **Alabama Fisheries Association, Auburn, AL.**
13. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2008. Phylogeography and conservation genetics of the federally threatened Slackwater Darter, *Etheostoma boschungii*. (oral) **Southeastern Fishes Council, Chattanooga, TN.**
12. Kuhajda B. R.\*, Fluker B. L. 2008. The Roebuck Spring fiasco in Birmingham, Alabama: Dam removal and dead Watercress Darters (*Etheostoma nuchale*). (poster) **Southeastern Fishes Council, Chattanooga, TN.**
11. Fluker B. L. 2008. Conservation genetics and evolutionary history of the federally endangered Watercress Darter, *Etheostoma nuchale*. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Montréal, Quebec, Canada.**
10. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2008. Phylogeographic structure of the federally threatened Slackwater Darter, *Etheostoma boschungii*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Montréal, Quebec, Canada.**
9. Harris P. M.\*, Fluker B. L., Mayden R. L., Buth D. G. 2008. Cypriniformes Tree of Life: Phylogenetic Relationships of the Catostomidae, with Emphasis on the Catostominae, based on Mitochondrial and Nuclear Gene Sequences. (oral) **Joint Meeting of Ichthyologists and Herpetologists, Montréal, Quebec, Canada.**
8. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2008. Population genetic structure of the endangered Watercress Darter, *Etheostoma nuchale*. (oral) **Alabama Fisheries Association, Orange Beach, AL.**
7. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2007. The influence of historical gene flow and contemporary population translocations on genetic diversity in the endangered Watercress Darter, *Etheostoma nuchale*, inferred from multiple microsatellite DNA markers. (oral) **Southeastern Fishes Council, Chattanooga, TN.**
6. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2007. Status, distribution, and population genetic structure of the endangered Watercress Darter, *Etheostoma nuchale*. (oral) **American Society of Ichthyologists and Herpetologists, St. Louis, MO.**
5. Fluker B. L.\*, Kuhajda B. R., Harris P. M. 2007. Status and Population Genetic Structure of the Endangered Watercress Darter, *Etheostoma nuchale*. (oral) **Alabama Fisheries Association, Orange Beach, AL.**

4. Fluker B. L.\*, Pezold F., Minton R. L. 2006. Molecular systematics and morphological variation of the inland silverside, *Menidia beryllina*. (oral) **American Society of Ichthyologists and Herpetologists, New Orleans, LA.**
3. Fluker B. L.\*, Pezold F., Minton R. L. 2005. Morphological variation of the Inland Silverside, *Menidia beryllina*, from the lower Mississippi River basin and Lake Pontchartrain, Louisiana. (poster) **American Fisheries Society Louisiana Chapter, Baton Rouge, LA.**
2. Fluker B. L.\*, Pezold F., Minton R. L. 2005. Morphological and molecular variation of the Inland Silverside, *Menidia beryllina*, from the lower Mississippi River basin and Lake Pontchartrain, Louisiana. (oral) **The University of Louisiana at Monroe Student Research Symposium, Monroe, LA.**
1. Fluker B. L.\*, Pezold F., Minton R. L. 2005. Morphological and molecular variation of the Inland Silverside, *Menidia beryllina*. (poster) **Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL.**

## PROFESSIONAL SOCIETIES

Arkansas Academy of Science  
 Arkansas Chapter of the American Fisheries Society  
 American Society of Ichthyologists and Herpetologists  
 Freshwater Mollusk Conservation Society  
 Society for the Study of Evolution  
 Southeastern Fishes Council

## PROFESSIONAL MEETINGS AND WORKSHOPS ATTENDED

### ANNUAL MEETINGS

- Alabama Fisheries Association–2007, 2008, 2009, 2010, 2011
- Alabama Imperiled Fishes Annual Meeting–2010
- Joint Meeting of Ichthyologists and Herpetologists–2004, 2005, 2006, 2007, 2008, 2009, 2015, 2016
- American Fisheries Society (Arkansas Chapter)–2017, 2018
- American Fisheries Society (Louisiana Chapter)–2005
- Arkansas Academy of Science–2015, 2017, 2018
- Freshwater Mollusk Conservation Society–2013, 2015
- Louisiana Ornithological Society–2004
- Southeastern Association of Fish and Wildlife Agencies Conference–2009
- Southeastern Fishes Council Annual Meeting–2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019

### WORKSHOPS

- iDigBio Vertebrate Digitization Workshop. Cornell Laboratory of Ornithology, Ithaca, NY. May 4-6, 2015.
- Next generation DNA sequencing and data analysis workshop. University of Kentucky Advanced Genetic Technologies Center. July 21-25, 2014.
- University of Alabama Faculty Institute. Improving student learning: strategies and techniques that increase learning possibilities (Sept. 25-26, 2012)

- Bodega applied phylogenetics workshop, Bodega Bay, CA. UC Davis Bodega Marine Laboratory (2011)
- Conservation genetics workshop on imperiled freshwater mollusks and fishes, Shepherdstown, WV. Freshwater Mollusk Conservation Society (2004)

#### **OTHER MEETINGS**

- Upper Delta Region Biodiversity Scholarship Program 2017 Summer Institute, Counce, TN. August 10-13, 2017.
- Arkansas Wildlife Action Plan Symposium. Mount Magazine State Park, Paris, AR. September 2-3, 2014; September 13-14, 2016; September 10-11, 2018.
- Leopard Darter Federal/State Planning Meeting. Janet Huckabee Arkansas River Valley Nature Center, Fort Smith, Arkansas. December 3, 2014.
- State of Arkansas Fish Conservation Ranking Meeting. Arkansas Natural Heritage Commission, Little Rock, AR. December 9, 2014.

#### **COLLABORATORS**

Ginny L. Adams- University of Central Arkansas  
 Reid Adams- University of Central Arkansas  
 Leah Berkman- Missouri Dept. of Conservation  
 Jennifer L. Bouldin- Arkansas State University  
 Than J. Boves- Arkansas State University  
 R. Scot Duncan- Birmingham Southern College  
 Anna L. George- Tennessee Aquarium Conservation Institute  
 Sean P. Graham- Sul Ross State University  
 John L. Harris- Arkansas State University  
 Phillip M. Harris- University of Alabama  
 David M. Hayes- Eastern Kentucky University  
 Ronald L. Johnson- Arkansas State University  
 Bernard R. Kuhajda- Tennessee Aquarium Conservation Institute  
 Travis D. Marsico- Arkansas State University  
 Tanja McKay- Arkansas State University  
 Russell L. Minton- Gannon University  
 Thomas J. Near- Yale University  
 Lori Neuman-Lee- Arkansas State University  
 Frank Pezold- Texas A&M Corpus Christi  
 Jeff Quinn- Arkansas Game and Fish Commission  
 Dayle Saar- Murray State University  
 Michael Sandel- University of West Alabama  
 Brett Timmons- Arkansas Game and Fish Commission  
 Stanley E. Trauth- Arkansas State University  
 Brian K. Wagner- Arkansas Game and Fish Commission

#### **SERVICE**

- Faculty Advisor of the American Fisheries Society (A-State) student club (2017-present).
- Department of Biological Sciences Graduate Program Committee, Arkansas State University (2017-present).
- Department of Biological Sciences Curriculum Committee, Arkansas State University (2016-present).

- Undergraduate Graduation and Academic Credit Appeals Committee, Arkansas State University (Proxy for Ron Johnson, 4-Aug-2015)
- Department of Biological Sciences Library Resource Coordinator, Arkansas State University (2015-present).
- Department of Biological Sciences Website Committee, Arkansas State University (2014-2018).
- Department of Biological Sciences Long-term Strategic Planning Committee, Arkansas State University (2014-2017).
- Associate Editor for the Southeastern Fishes Council Proceedings (2014-present).
- Faculty Co-advisor, Natural History Collections Curation Club, Arkansas State University (2014-present).
- Arkansas State University Fish Show, ages 3-18 (2014-present)
- Biological interpreter, Arkansas State University College of Science and Mathematics Homecoming outreach (2014, 2015, 2016, 2019)
- Biological interpreter, Arkansas State University Science Expo (2014)
- Collect and summarize annual research activities from academicians and state/federal employees in Alabama to be published in the Southeastern Fishes Council Proceedings (2014-2015).
- Letters of recommendation for students in Biology and Health related majors for scholarships and professional programs (2011-present).
- Evaluation of manuscripts: Bulletin of Marine Science, Conservation Genetics, Southeastern Naturalist, Hydrobiologia, Arkansas Academy of Science.
- Serve as a contact for several state and federal agencies to provide information about genetics and freshwater fishes of the southeastern United States.
- Advising of Biology, Microbiology, and Marine Science majors at the University of Alabama (2013-2014).
- Biological Sciences Undergraduate Curriculum Committee at the University of Alabama (2013-2014).
- Core Curriculum Team member (Principles of Biology I; Ecology and Evolution) for long-range curriculum planning in the UA Dept. of Biological Sciences (2013-2014).
- Contributor- UA Center for Instructional Technology Faculty Technology Showcase (2013).
- Department of Biological Sciences representative at the University of Alabama Major's Fair (2013).
- Judge of student presentations at the Southeastern Fishes Council annual meeting (2013, 2016).
- Session moderator for the Southeastern Fishes Council annual meeting (2013, 2009).
- Peer review of the 12-month finding on a petition to list *Elassoma alabamae* as Threatened and designation of critical habitat (U.S. Fish and Wildlife Service, 2012).
- Expert witness for U.S. Fish and Wildlife Service in federal court case (2011).
- Guest Editor for the Southeastern Fishes Council Proceedings (2010).
- Graduate student representative- Population Geneticist search committee, University of Alabama Dept. of Biological Sciences (2010).
- Session moderator for the Alabama Fisheries Association annual meeting (2010, 2011).
- Co-leader of U.S. Fish and Wildlife tour of north Alabama habitat and watersheds for five imperiled species (2009).
- Co-leader of U.S. Fish and Wildlife tour of Turkey Creek imperiled species (2009).
- Planning team member for the Watercress Darter National Wildlife Refuge Comprehensive Conservation Plan (2007).
- University of Alabama Fish Show, ages 3-18 (2007-2014)

- Biological interpreter, Homecoming on the Quad at the University of Alabama (2007-2014)
- Video and grant writing assistance for a “Healthy school makeover grant” for Alberta Elementary, Tuscaloosa, Alabama (2012)
- Volunteer coach, Paul W. Bryant High School Cross Country (Tuscaloosa, AL; 2009-2012)
- Aquatic education program, the University of Alabama Arboretum (2008)

## IN THE NEWS

- Fluker is Research Professor of the Month. A-State News Article, 4-April-2017. ([link](#))
- Natural History Collections set to receive new homes. Jonesboro Sun, 20-July-2017. ([link](#))
- BioBlitzn’. Jonesboro Sun, 15-October-2017. ([link](#))
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