

Robert B. Bringolf

Warnell School of Forestry & Natural Resources
 University of Georgia
 Athens, GA 30602-2152
 (706) 542-4284
 bringo@uga.edu

Education

2002. Ph.D. Iowa State University, Ames, Iowa. Toxicology and Fish Biology.
 1997. M.S. University of Wisconsin-La Crosse. Biology (Aquatic Science).
 1995. B.A. Wartburg College. Biology.

Professional Experience

University of Georgia. Warnell School of Forestry and Natural Resources. Athens, GA.
 2018 – Present. Associate Dean for Academic Affairs
 2018 – Present. Professor
 2015 – 2018. Graduate Coordinator
 2013 – 2018. Associate Professor
 2007 – 2013. Assistant Professor

North Carolina State University. Department of Environmental & Molecular Toxicology. Raleigh, NC.
 2005 – 2007. Research Associate.
 2004 – 2005. Postdoctoral Research Associate.

University of Wyoming. Laramie, WY. Department of Zoology & Physiology.
 2003 – 2004. Postdoctoral Research Associate.

US Fish and Wildlife Service, La Crosse Fishery Resources Office. Onalaska, WI.
 1997. Biological Science Lab Technician (Fisheries) GS 404-04.
 1996 – 1997. Biological Science Lab Technician (Student) GS 404-01.

Career Totals		Published/ In press	Submitted/ In Review
Publications	Journal articles	48	5
	Book chapters	1	
	Research Note	1	
	Total	50	
Presentations	Invited Symposia	16	
	Contributed	92	
	Invited Seminars	22	
	Total	130	

Peer-Reviewed Publications Underlined authors indicate graduate students under the direction of R. Bringolf.

- 48) Moore, A.P. and **R.B. Bringolf**. Effects of nitrate on freshwater mussel glochidia attachment and metamorphosis success to the juvenile stage. *Environmental Pollution*. Accepted.
- 47) Philipps, R.R., X. Xu, **R.B. Bringolf**, and G.L. Mills. 2018. Impact of natural organic matter and increased water hardness on DGT prediction of copper bioaccumulation by Yellow lampmussel (*Lampsilis cariosa*) and fathead minnow (*Pimephales promelas*). *Environmental Pollution* 241: 451-458. <https://doi.org/10.1002/etc.4108>
- 46) Philipps, R.R., G.L. Mills, **R.B. Bringolf**, and X. Xu. 2018. Evaluation of diffusive gradients in thin-films for prediction of copper bioaccumulation by Yellow lampmussel (*Lampsilis cariosa*) and Fathead minnow (*Pimephales promelas*). Submitted to *Environmental Toxicology and Chemistry* 37: 1535-1544. <https://doi.org/10.1002/etc.4108>
- 45) Hart, M. W. Haag, J.A. Stoeckel, and **R.B. Bringolf**. 2018. Traditional and novel aquaculture methods to identify large river host fish for freshwater mussel propagation and conservation. *Aquaculture Reports* 9:10-17. <https://doi.org/10.1016/j.aqrep.2017.11.002>
- 44) Parr, R.T., **R.B. Bringolf**, and C.A. Jennings. 2018. Efficacy of otoliths and first dorsal spine for age and growth determination in Tripetail. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 10:71-79. DOI: 10.1002/mcf2.10008
- 43) Nelson, J.N. and **R.B. Bringolf**. 2018. Potential Enhancement of Juvenile Mussel Production with Exogenous Cortisol Treatment of Fish Hosts. *North American Journal of Aquaculture* 80:153-161. doi.org/10.1002/naaq.10014
- 42) Kellock, K., A.P. Moore, and **R.B. Bringolf**. 2018. Chronic nitrate exposure alters reproductive physiology in fathead minnows. *Environmental Pollution* 232:322-328. doi.org/10.1016/j.envpol.2017.08.004
- 41) Gogal, R., **R. Bringolf**, R. Phillips, T. Guo, and S. Holladay. 2017. Anesthetic activity of acetylated MS-222 in tilapia (*Oreochromis niloticus*). *Journal of Veterinary Science* 4:1-6. DOI: 10.5176/2345-7880_4.1.15
- 40) Haskins, D.L., M.T. Hamilton, A.L. Jones, J.W. Finger, **R.B. Bringolf**, and T. Tuberville. 2017. Accumulation of coal combustion residues and their immunological effects in the yellow-bellied slider (*Trachemys scripta scripta*). *Environmental Pollution* 224:810-819. <http://dx.doi.org/10.1016/j.envpol.2017.01.048>
- 39) Gundersen, D., S. Zeug, **R. Bringolf**, J. Merz, Z. Jackson, and M. Webb. 2017. Tissue contaminant burdens in San Francisco Estuary white sturgeon (*Acipenser transmontanus*): implications for population recovery. *Archives of Environmental Contamination and Toxicology* 73:334-347. DOI 10.1007/s00244-017-0378-9.
- 38) Cooper, Z., A. Bryan, **R. Bringolf**, R. Cooper, K. Loftis, J.A. Martin. 2017. Heavy metal bioaccumulation in two passerines with differing life histories. *Science of the Total Environment* 592:25-32. <http://dx.doi.org/10.1016/j.scitotenv.2017.03.055>

- 37) Leonard, J.A., W.G. Cope, E.J. Hammer, M.C. Barnhart, and **R.B. Bringolf**. 2017. Extending the toxicity-testing paradigm for freshwater mussels: Assessing chronic reproductive effects of the synthetic estrogen 17 α -ethinylestradiol on the unionid mussel *Elliptio complanata*. *Comparative Biochemistry and Physiology Part C: Toxicology and Pharmacology* 191:14-25.
- 36) Lasier, P.L., M.L. Urich, S. Hassan, W. Jacobs, **R. Bringolf**, and K. Owens. 2016. Changing agricultural practices: Potential consequences to aquatic organisms. *Environmental Monitoring and Assessment* 188:672-688.
- 35) Eberhard, M.L., M.J. Yabsley, H. Zirimwabagabo, H. Bishop, C.A. Cleveland, J.C. Maerz, **R.B. Bringolf**, and E. Ruiz-Tiben. 2016. Possible role of fish and frogs as paratenic hosts of *Dracunculus medinensis*, Chad. *Emerging and Infectious Diseases* 22:1428-1430.
- 34) Fritts, M.W., J.A. DeBoer, A.K. Fritts, K.A. Kellock, **R.B. Bringolf**, and A.F. Casper. 2016. Survey of intersex Largemouth Bass from the Upper Illinois River Waterway, USA. *American Midland Naturalist* 176:158-165.
- 33) Parr, R.T., C.A. Jennings, N.D. Denslow, K. Kroll, and **R.B. Bringolf**. 2016. Evaluation of reproductive status in Atlantic Tripletail by traditional and nonlethal approaches. *Coastal and Marine Fisheries* 8:16-22.
- 32) Morrison, S., K. Sieve, R. Ratajczak, **R. Bringolf**, and J. Belden. 2016. Simultaneous extraction and cleanup of high-lipid fish organs for multiple legacy and emerging organic contaminants using QuEChERS. *Talanta* 146: 16-22.
- 31) Fritts, A.K., J.T. Peterson, J.M. Wisniewski and **R.B. Bringolf**. 2015. Non-lethal assessment of freshwater mussel physiological response to changes in environmental factors. *Canadian Journal of Fisheries and Aquatic Science* 72: 1460-1468.
- 30) Fritts, A.K., J.T. Peterson, P.D. Hazelton and **R.B. Bringolf**. 2015. Evaluation of methods for assessing physiological biomarkers of stress in freshwater mussels. *Canadian Journal of Fisheries and Aquatic Science* 72: 1450-1459.
- 29) Fritts, A.K. and **R.B. Bringolf**. 2014. New host species confirmed for four federally endangered freshwater mussels (Unionidae) in the Apalachicola-Chattahoochee-Flint Basin. *Walkerana: Journal of the Freshwater Mollusk Conservation Society* 17:51-59.
- 28) Leonard, J.A., W.G. Cope, M.C. Barnhart, and **R.B. Bringolf**. 2014. Metabolomic, behavioral, and reproductive effects of the aromatase inhibitor fadrazole hydrochloride on the unionid mussel *Lampsilis fasciola*. *General and Comparative Endocrinology* 206:213-226.
- 27) Kellock, K.A., B.E. Trushel, P.C. Ely, C.A. Jennings, **R.B. Bringolf**. 2014. Survey of intersex Largemouth Bass from impoundments in Georgia, USA. *Transactions of the American Fisheries Society* 143(3):565-572.
- 26) Hazelton, P.D., B. Du, S.P. Haddad, A.K. Fritts, C.K. Chambliss, B.W. Brooks, **R.B. Bringolf**. 2014. Chronic fluoxetine exposure alters movement and burrowing in adult freshwater mussels. *Aquatic Toxicology*. 151:27-35.

- 25) Leonard, J.A., W.G. Cope, M.C. Barnhart, **R.B. Bringolf**. 2014. Metabolomic, behavioral, and reproductive effects of the synthetic estrogen 17 α -ethinylestradiol on the unionid mussel *Lampsilis fasciola*. *Aquatic Toxicology* 150:103-116.
- 24) Fritts, A.K., M.C. Barnhart, M. Bradley, N. Liu, W.G. Cope, E. Hammer, **R.B. Bringolf**. 2014. Assessment of toxicity test endpoints for freshwater mussel larvae (glochidia). *Environmental Toxicology and Chemistry* 33(1):199-207.
- 23) Fritts, M.W., A.K Fritts, S.A. Carleton, and **R.B. Bringolf**. 2013. Shifts in stable isotope signatures of freshwater mussel glochidia during attachment to host fish. *Journal of Molluscan Studies* 79(2): 163-167.
- 22) Hazelton, P.D., W.G. Cope, S. Mosher, T.J. Pandolfo, J.B. Belden, M.C. Barnhart, and **R.B. Bringolf**. 2013. Effects of fluoxetine on freshwater mussels. *Science of the Total Environment* 445-446: 94-100.
- 21) Baird, S., J. A.W. Garrison, J. Jones, J. Avants, **R.B. Bringolf**, and M.C. Black. 2013. Enantioselective toxicity and bioaccumulation of fipronil in fathead minnows (*Pimephales promelas*) following water and sediment exposures. *Environmental Toxicology and Chemistry* 32:222-227.
- 20) Johnson, J.A., J.M. Wisniewski, A.K. Fritts, and **R.B. Bringolf**. 2012. Host identification and glochidia morphology of freshwater mussels from the Altamaha River Basin. *Southeastern Naturalist* 11(4):733-746.
- 19) Fritts, A.K., M.W. Fritts, D.L. Peterson, and **R.B. Bringolf**. 2012. Critical linkage of imperiled species: Gulf sturgeon as host for purple bankclimber mussels. *Freshwater Science* 31(4):1223-1232.
- 18) Hazelton, P.D., W.G. Cope, S. Mosher, T.J. Pandolfo, M.J. Strynar, M.C. Barnhart, and **R.B. Bringolf**. 2012. Toxicity of perfluoralkyl acids to freshwater mussels (Unionidae) in acute and partial life-cycle tests. *Environmental Toxicology and Chemistry* 31:1611-1620.
- 17) Kellock, K. and **R.B. Bringolf**. 2011. Assessment of endocrine disruption in fish and estrogenic potency of waters in Georgia. *Proceedings of the 2011 Georgia Water Resources Conference*, Athens, GA, April 11–13, 2011.
- 16) Pandolfo, T.J., W.G. Cope, C. Arellano, **R.B. Bringolf**, M.C. Barnhart, and E. Hammer. 2010. Thermal tolerances of early life stages of freshwater mussels. *Journal of the North American Benthological Society* 29:959-969.
- 15) **Bringolf, R.B.**, R.M. Heltsley, D. Shea, and T.J. Newton, and W.G. Cope. 2010. Environmental occurrence and reproductive effects of the pharmaceutical fluoxetine in native freshwater mussels. *Environmental Toxicology and Chemistry* 29:1311-1318.
- 14) Eads, C.B., **R.B. Bringolf**, R.D. Greiner, A.E. Bogan, and J.F. Levine. 2010. Fish host identification of the Carolina Heelsplitter (*Lasmigona decorata*), a federally endangered freshwater mussel. *American Malacological Bulletin* 28:1-8.

- 13) Heise, R.J., **R.B. Bringolf**, R. Patterson, W.G. Cope, and S.T. Ross. 2009. Plasma vitellogenin and estradiol of adult Gulf sturgeon in the Pascagoula River drainage (MS, USA). *Transactions of the American Fisheries Society* 138:1028–1035.
- 12) Pandolfo, T.J., W.G. Cope, **R.B. Bringolf**, M.C. Barnhart. 2008. Sensitivity of early life stages of freshwater mussels to a range of common and extreme water temperatures. *Proceedings of the 2nd Thermal Ecology and Regulation Workshop, Denver, CO, October 2-3, 2007.*
- 11) Cope, W.G., **R.B. Bringolf**, D.B. Buchwalter, T.J. Newton, C.G. Ingersoll, N. Wang, T. Augspurger, F.J. Dwyer, M.C. Barnhart, R.J. Neves, E. Hammer. 2008. Differential exposure, duration, and sensitivity of unionoidean bivalve life stages to environmental contaminants. *Journal of North American Benthological Society. Journal of the North American Benthological Society* 27:451-462.
- 10) Cope, W.G., **R.B. Bringolf**, S. Mosher, J.A. Rice, C. Edwards, R.L. Noble. 2008. Efficacy of a pond outflow control device for reducing nitrogen release to receiving streams. *Agricultural Water Management* 95:737-742.
- 9) **Bringolf, R.B.**, W.G. Cope, C. Barnhart, S. Mosher, P.R. Lazaro, and D. Shea. 2007. Acute and chronic toxicity of pesticide formulations (atrazine, chlorpyrifos, and permethrin) to glochidia and juveniles of *Lampsilis siliquoidea*. *Environmental Toxicology and Chemistry* 26:2101-2107.
- 8) **Bringolf, R.B.**, W.G. Cope, S. Mosher, C. Barnhart, and D. Shea. 2007. Acute and chronic toxicity of glyphosate compounds to glochidia and juveniles of *Lampsilis siliquoidea*. *Environmental Toxicology and Chemistry* 26:2094-2100.
- 7) **Bringolf, R.B.**, W.G. Cope, P.R. C. Eads, Lazaro, M.C. Barnhart, and D. Shea. 2007. Acute and chronic toxicity of technical-grade pesticides to glochidia and juveniles of freshwater mussels (Unionidae). *Environmental Toxicology and Chemistry* 26:2086-2093.
- 6) **Bringolf, R.B.**, B.A. Morris, C.J. Boese, R.C. Santore, H.E. Allen, and J.S. Meyer. 2006. Influence of natural organic matter on toxicity of zinc to larval fathead minnows (*Pimephales promelas*). *Archives of Environmental Contamination and Toxicology* 51:438-444
- 5) Heltsley, R.M., W.G. Cope, D. Shea, **R.B. Bringolf**, T. Kwak, E. Malindzak. 2005. Assessing organic contaminants in fish: comparison of a non-lethal tissue sampling technique to mobile and stationary passive sampling devices. *Environmental Science and Technology* 39:7601-7608.
- 4) **Bringolf, R.B.**, T.J. Kwak, W.G. Cope, and M.S. Larimore. 2005. Salinity tolerance of flathead catfish: implications for dispersal of introduced populations. *Transactions of the American Fisheries Society* 134:927-936.
- 3) **Bringolf, R.B.**, J.B. Belden and R.C. Summerfelt. 2004. Effects of atrazine on fathead minnow in a short-term reproduction assay. *Environmental Toxicology and Chemistry* 23:1019-1025.
- 2) **Bringolf, R.B.** and R.C. Summerfelt. 2003. Occurrence of ovotestes and plasma vitellogenin in feral male fathead minnows from lagoons of municipal wastewater treatment facilities in Central Iowa. *Journal of the Iowa Academy of Science* 110:17-21.

- 1) **Bringolf, R.B.** and R.C. Summerfelt. 2002. Reduction of estrogenic potency of municipal wastewater by aerated lagoon treatment facilities. *Environmental Toxicology and Chemistry* 22:77-83.

Book Chapters

- 1) **Bringolf, R.B.**, B.J. Irwin, K.A. Kellock. 2015. Factors associated with intersex Largemouth Bass from impoundments in the Southeastern U.S. Pages 311 – 318 in M.D. Tringali, J.M. Long, T.W. Birdsong, and M.S. Allen, editors. *Black bass diversity: multidisciplinary science for conservation*. American Fisheries Society, Symposium 82, Bethesda, Maryland.

Manuscripts In Review or Submitted

- 1) Philipps, R.R., **R.B. Bringolf**, G.L. Mills, and X. Xu. Bioaccumulation of copper and lead by Fathead minnow (*Pimephales promelas*) and Yellow lampmussel (*Lampsilis cariosa*): Evaluation of DGT technique for predicting uptake of metal mixtures. *Science of the Total Environment*: In review.
- 2) Haag, W., J. Culp, M. McGreggor, **R. Bringolf**, and J. Stoeckel. Growth inhibition as a factor in the disappearance of freshwater mussels. *Environmental Pollution*. In Review.
- 3) Urich, M.L., T.W. Collette, D.R. Ekman, D.M. Skelton, M. Henderson, and **R.B. Bringolf**. Metabolic alterations associated with testicular oocytes in wild largemouth bass. In prep for *Environmental Science and Technology*.
- 4) **Bringolf, R.B.**, B. Ratajczak, B. Schroder, T. Knafla, and I. McIvor. Major ion toxicity to glochidia of common and imperiled freshwater mussels. In prep for *Environmental Toxicology and Chemistry*.
- 5) Jacobs, W.N. and **R.B. Bringolf**. Evidence of environmental estrogens and their effects on fish in an agriculturally-dominated basin. In prep for *Environmental Pollution*.

Other Publications

- 1) Hazelton, P.D. and **R.B. Bringolf**. 2014. Are early stage unionids susceptible to contaminants in their fish hosts? *Ellipsaria* 16(2):19-21. (Research Note).

Research Funding Awarded

- 2016 – 2017. Chloride toxicity tests with freshwater mussel glochidia and larval fish across a range of water hardness levels. Equilibrium Environmental, Inc. PI: **R. Bringolf**. \$54,625.
- 2015 – 2018. Assessment of Endocrine Disrupting Chemicals in the Upper Conasauga River. United States Fish & Wildlife Service. PI: P. Lasier, Co-PIs: **R. Bringolf**, C. Jennings. \$309,200. Subaward to **R. Bringolf** for \$229,839.
- 2015 – 2016. Gulf sturgeon movement, spawning habitats, and mussel interactions in the ACF Basin above Jim Woodruff Lock and Dam. Georgia Department of Natural Resources. Co-PIs: D.Peterson and **R. Bringolf**. \$45,000.
- 2013 – 2016. Gulf sturgeon movement, spawning habitats, and mussel interactions in the ACF Basin above Jim Woodruff Lock and Dam. U.S. Fish & Wildlife Service via The Nature Conservancy. PI: **R. Bringolf**. \$100,750.

2012. Innovative Instruction Faculty Grant. University of Georgia. PI: **R. Bringolf**. \$5000.
- 2011 – 2016. Investigations of life history and contaminant effects on white sturgeon in the Sacramento-San Joaquin Bay-Delta. U.S. Fish & Wildlife Service. Co-PIs: D. Peterson and **R. Bringolf**. \$264,963.
- 2011 – 2012. Assessment of endocrine disruption in fish and estrogenic potency of waters in Georgia. Georgia Water Resources Institute. PI: **R. Bringolf**. Co-PIs: C. Jennings, J. Zuiderveen. \$20,000.
- 2010 – 2015. Assessment of contaminants and impacts in the Upper Conasauga River. United States Geological Survey. PI: P. Lasier. Co-PIs: **R. Bringolf**, S. Hassan. \$250,000. Subaward to **R. Bringolf** for \$98,344.
- 2010 – 2012. Determining the appropriate duration of toxicity tests with glochidia of native freshwater mussels. United States Geological Survey. PI: **R. Bringolf**. Co-PIs: M.C. Barnhart, W.G. Cope. \$138,095.
- 2010 – 2011. Assessment of endocrine disruption in fish and estrogenic potency of waters in Georgia. Georgia Water Resources Institute. PI: **R. Bringolf**. Co-PI: C. Jennings. \$18,000.
2010. Assessment of Estrogens and Intersex Fish in Georgia Rivers. Faculty Research Grant, University of Georgia. PI: **R. Bringolf**. \$9925.
- 2009 – 2011. Reproductive Status of the Tripletail, *Lobotes surinamensis*, Aggregation Offshore Jekyll Island, Georgia. Georgia Department of Natural Resources. Co-PIs: **R. Bringolf** and C. Jennings. \$77,286.
- 2009 – 2012. Decision support models for the conservation and recovery of imperiled mussels. United States Geological Survey. PI: J. Peterson. Co-PIs: **R. Bringolf**, J. Wisniewski. \$193,775.
- 2008 – 2011. Acute and reproductive effects of emerging contaminants to native freshwater mussels. United States Fish and Wildlife Service. PI: W.G. Cope. Co-PIs: **R. Bringolf**, M.C. Barnhart. \$115,000. Subaward to **R. Bringolf** for \$21,698.
- 2008 – 2011. Investigation of the early life history of endemic mussel species of the Altamaha River Basin. Altamaha River Cooperative. PI: **R. Bringolf**. Co-PIs: J. Wisniewski, J. Shelton. \$88,240.
- 2008 – 2009. Preliminary analysis of perfluorinated compounds in environmental samples from the Lower Conasauga River, Georgia, USA. Georgia Department of Natural Resources, Environmental Protection Division. PI: **R. Bringolf**. Co-PIs: S. Hassan, J. Shelton. \$12,270.
2008. Preliminary assessment of contaminant impacts on American shad recovery efforts. Faculty Research Grant, University of Georgia. PI: **R. Bringolf**. \$5,600.
- 2006 – 2008. Assessing exposure and relative sensitivity of native freshwater mussels to environmental stressors and laboratory conditions. US Environmental Protection Agency. PI: W.G. Cope. Co-PIs: **R. Bringolf**, M.C. Barnhart. \$130,000.

Research Presentations

Invited Symposia/Platforms. Underlined authors indicate graduate students under the direction of R. Bringolf.

- 16) Cope, W.G., T. Augspurger, **R.B. Bringolf**, P.L. Gillis, T.J. Newton, and N. Wang. An overview of the sensitivity of freshwater mussels to aquatic contaminants. Invited platform at the 2017 Society of Freshwater Science. Raleigh, NC. June 4-9, 2017.
- 15) Moore, A.P. and **R.B. Bringolf**. Effects of nitrate and an estrogen singly and in combination on metamorphosis of *L. siliquoidea*. Invited platform in the session 'Use of Freshwater Mollusk Toxicity Data for Improved Conservation of Water and Sediment Quality' at the 7th World Congress of the Society of Environmental Toxicology and Chemistry and 37th Annual SETAC North America Meeting. Orlando, FL. November 7-11, 2016.

- 14) **Bringolf, R.B., W.N. Jacobs, M.L. Urich, A.P., Moore, R. Ratajczak, and P.J. Lasier.** Upper Conasauga River Water Quality: What are the Fish Telling Us? Invited platform at the 2016 Conasauga Science Summit. Athens, GA. Jan. 27, 2016.
- 13) Cope, W.G., T. Augspurger, **R.B. Bringolf**, E.J. Hammer, C.G. Ingersoll, T.J. Newton, and Ning Wang. Advances In Molluscan Toxicology Over The Past 25 Years: The Importance Of People, Places, And Perspectives. Invited platform at the Freshwater Mollusk Conservation Society Symposium. St. Charles, MO. Mar. 22-26, 2015.
- 12) **Bringolf, R.B., A. Fritts**, M.C. Barnhart and W.G. Cope. Glochidia toxicity testing: the viability endpoint and standardizing test duration? Invited platform in the special session “Use of Freshwater Mollusk Toxicity Data for Improved Conservation of Water and Sediment Quality” at the 2013 Society of Environmental Toxicology and Chemistry North America Meeting. Nashville, TN. Nov. 17-21, 2013.
- 11) **Bringolf, R.B., A. Fritts**, M. Fritts, and D. Peterson. Critical linkage of imperiled species: Gulf sturgeon as a host for purple bankclimber mussels. Invited platform at the 2013 Georgia Water Resources Conference. Athens, GA. April 10-11, 2013.
- 10) **Bringolf, R.B., K. Kellock, and B. Irwin.** Factors associated with intersex Largemouth bass in the southeastern US. Invited platform in the “Black Bass Diversity Symposium” at the 2013 annual meeting of the Southern Division of the American Fisheries Society. Nashville, TN. Feb. 7-10, 2013.
- 9) Fritts, M., A. Fritts, S. Carleton, and **R. Bringolf**. 2013. Shifts in stable isotope signatures confirm parasitic relationship of freshwater mussel glochidia attached to host fish. Invited platform at the 2013 meeting of the Upper Mississippi River Conservation Committee. 19-21 March 2013. Collinsville, IL.
- 8) **Bringolf, R.B., A.K. Fritts**, and J.T. Peterson. Non-lethal assessment of drought-related stress in mussels. Invited platform at the 2012 Workshop of the Freshwater Mollusk Conservation Society. Athens, GA. April 18-20, 2012.
- 7) **Bringolf, R.B., A. Fritts**, M.C. Barnhart and W.G. Cope. How do we develop ecologically-relevant standardized glochidia toxicity tests? Invited platform in the “Freshwater Mussel Conservation Symposium” at the 2011 annual meeting of the Southern Division of American Fisheries Society. Tampa, FL. Jan. 13-16, 2011.
- 6) Fritts, A., J. Peterson and **R. Bringolf**. Development of a non-lethal approach for assessing stress in freshwater mussels. Invited platform in the “Freshwater Mussel Conservation Symposium” at the 2011 annual meeting of the Southern Division of American Fisheries Society. Tampa, FL. Jan. 13-16, 2011.
- 5) Hazelton, P.D. and **R.B. Bringolf**. Use of a partial life-cycle assay to determine effects of contaminants on freshwater mussel populations. Invited platform in the “Freshwater Mussel Conservation Symposium” at the 2011 annual meeting of the Southern Division of American Fisheries Society. Tampa, FL. Jan. 13-16, 2011.
- 4) **Bringolf, R., A. Fritts**, M.C. Barnhart and W.G. Cope. What is the appropriate duration of toxicity tests with glochidia? Invited platform in the “Freshwater Mussel Ecotoxicology Symposium” at the

2010 Society of Environmental Toxicology and Chemistry North America Meeting. Portland, OR. Nov. 6-11, 2010.

- 3) Hazelton, P., S. Mosher, and **R. Bringolf**. Effects of fluoxetine in acute, chronic and partial lifecycle toxicity tests with freshwater mussels. Invited platform in the “Freshwater Mussel Ecotoxicology Symposium” at the 2010 Society of Environmental Toxicology and Chemistry North America Meeting. Portland, OR. Nov. 6-11, 2010.
- 2) Pandolfo, T. J., W. G. Cope, **R. B. Bringolf**, and M. C. Barnhart. Sensitivity of early life stages of freshwater mussels to a range of common and extreme water temperatures. Invited platform at the Southeastern Environmental Flows Partnership Conference: “Environmental Flows: Water for People and Nature in the Southeastern U.S.” Athens, GA. October 27–29, 2008.
- 1) Pandolfo, T. J., W. G. Cope, **R. B. Bringolf**, D. B. Buchwalter, and M. C. Barnhart. 2007. Sensitivity of early life stages of freshwater mussels to a range of common and extreme water temperatures. Invited platform at the 2nd Thermal Ecology and Regulation Symposium, Denver, CO. October 2-3, 2007.

Invited Research Seminars

Intersex fish in an agricultural watershed: environmental and biochemical factors. Georgia Aquarium Education Training Seminar. Atlanta, GA. June 30, 2017.

Reproductive disruption in fish & mussels: Water quality matters. University of West Georgia, Department of Biology. Carrollton, GA. April 7, 2017.

Endocrine Disruption in Fish: Water quality matters. University of Georgia, College of Public Health, Department of Environmental Health Science. Athens, GA. March 4, 2016

Intersex fish: when boys won't be boys. Iowa State University, College of Agriculture and Environmental Science, Department of Natural Resource Ecology and Management. Ames, IA. May 3, 2012.

Intersex fish in Georgia. University of Georgia Fisheries Society. Athens, GA. February 16, 2012.

A survey of intersex bass in Georgia: Serendipity strikes again? University of Georgia, Warnell School of Forestry & Natural Resources. Athens, GA. September 22, 2011.

Intersex fish: not just in wastewater anymore. Auburn University, Department of Fisheries and Allied Aquaculture. Auburn, AL. September 16, 2011.

Physiology and reproductive ecology of Lower Flint River Basin mussels. USGS Lower Flint River Adaptive Management Workshop. Atlanta, GA. Sept. 17-18, 2009.

Endocrine disruption in fish: when boys won't be boys. University of Georgia, Department of Environmental Health Science. Athens, GA. September 23, 2009.

Endocrine disruption in fish. University of Georgia, College of Veterinary Medicine, Histopathology Seminar Series. Athens, GA. March 17, 2009.

Emerging Contaminants: Occurrence & Effects. Southeast and Georgia Wetlands and Water Law Conference. Atlanta, GA. February 20, 2009.

Preliminary assessment of contaminant impacts on recovery efforts with American shad. Presented to the University of Georgia Fisheries Society. Athens, GA. Nov. 6, 2007.

Fish and Mussels as Environmental Sentinels: Integrating Basic and Applied Science to Advance Understanding of Natural Resource Ecology, Management, and Human-Mediated Effects. Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA. May 23, 2007.

An introduction to fisheries management: analysis of Jordan Lake Striper Club tournament data. Presented to the Jordan Lake Striper Club. Apex, NC. November 20, 2006.

Integrated approaches for assessing the hazards of environmental contaminants to aquatic organisms: from biomarkers to ecological relevance. Department of Environmental and Molecular Toxicology Seminar Series, North Carolina State University, Raleigh, North Carolina, March 4, 2005.

Reduction of estrogenic potency of wastewater by aerated lagoon systems. Sponsored by the Department of Civil and Environmental Engineering Seminar Series, University of Iowa, and Center for Health Effects of Environmental Contamination (CHEEC), Iowa City, Iowa, April 5, 2002.

Perspectives on graduate education and research. Sponsored by the Departments of Biology and Chemistry, Wartburg College, Waverly, Iowa, November 20, 2001.

Environmental Estrogens: sex change made simple for the fathead minnow. Department of Zoology & Physiology Seminar Series, University of Wyoming, Laramie, Wyoming, March 2003.

Effects of atrazine on reproduction of fathead minnows. Toxicology Seminar Series. Iowa State University, Ames, Iowa, March 26, 2002.

Environmental Estrogens: Potential impacts on fish and an assessment of activity in aerated domestic sewage lagoons. Department of Animal Ecology Seminar Series, Iowa State University, Ames, Iowa, April 2001.

Environmental Estrogens: Potential impacts on fish and an assessment of activity in aerated domestic sewage lagoons. Toxicology Seminar Series, Iowa State University, Ames, Iowa, April 2001.

Influence of dietary ascorbic acid level on susceptibility of brook trout (*Salvelinus fontinalis*) to *Renibacterium salmoninarum*. Department of Biology and Microbiology Seminar Series, University of Wisconsin- La Crosse, La Crosse, Wisconsin, April 1997.

Contributed Platform Presentations. Underlined authors indicate graduate or undergraduate students under the direction of R. Bringolf.

- 96) Pelletier, A., S.B. Wilde, B. Haram, **R.B. Bringolf**. Investigating Potential Cyanotoxin Exposure in Georgia Fishes. Georgia Chapter of the American Fisheries Society 2018 Annual Meeting. Helen, GA. January 23-25, 2018.
- 95) Kirk, S. **R.B. Bringolf**, T. Bliss. Techniques to Improve Production of Off-bottom Cultured Oysters. Georgia Chapter of the American Fisheries Society 2018 Annual Meeting. Helen, GA. January 23-25, 2018. **Awarded Third Place for Best Student Platform Presentation.**
- 94) Urich, M.L., J. Brennan, D. Tillett, M. Henderson, **R.B. Bringolf**. Environmental Estrogenicity of Water and Sediment within an Agricultural Watershed: Relationship with the Incidence of Testicular Oocytes. Georgia Chapter of the American Fisheries Society 2018 Annual Meeting. Helen, GA. January 23-25, 2018.
- 93) Moore, A.P. and **R.B. Bringolf**. Nitrate Acute Toxicity and Effects on Metamorphosis in Freshwater Mussels. Georgia Chapter of the American Fisheries Society 2018 Annual Meeting. Helen, GA. January 23-25, 2018.
- 92) Urich, M.L. P. Lasier, J. Brennan, D. Tillett, **R. Bringolf**. Environmental estrogenicity of riverine fish habitat within an agricultural watershed: Influence on incidence of testicular oocytes. Society of Environmental Toxicology and Chemistry and 38th Annual SETAC North America Meeting. Minneapolis, MN. November 12-16, 2017.
- 91) Urich, M.L., M. Henderson, D. Ekman, T. Collette, **Bringolf, R.** Development of metabolic models predictive of intersex in teleost fish. Society of Environmental Toxicology and Chemistry and 38th Annual SETAC North America Meeting. Minneapolis, MN. November 12-16, 2017.
- 90) Moore, A.P., M.C. Barnhart, P. Johnson, **R. Bringolf**. Nitrate acute toxicity and effects on metamorphosis in freshwater mussels. Society of Environmental Toxicology and Chemistry and 38th Annual SETAC North America Meeting. Minneapolis, MN. November 12-16, 2017.
- 89) **Bringolf, R.**, R. Ratajczak, B. Schroder, I. McIvor, A. Knafala. Major ion toxicity to freshwater mussel glochidia. Society of Environmental Toxicology and Chemistry and 38th Annual SETAC North America Meeting. Minneapolis, MN. November 12-16, 2017.
- 88) Haag, W., J. Culp, M. McGregor, **R. Bringolf**, and J. Stoeckel. A field experiment to assess causes of mussel declines. Freshwater Mollusk Conservation Society 10th Biennial Symposium. Cleveland, OH. Mar 26-30, 2017.
- 87) **Bringolf, R.**, R. Ratajczak, I. McIvor, A. Knafala, and J.A. Stoeckel. Effects of hardness and ion mixtures on major ion toxicity to freshwater mussel glochidia. Freshwater Mollusk Conservation Society 10th Biennial Symposium. Cleveland, OH. Mar 26-30, 2017.
- 86) Moore, A.P., **R. Bringolf**, and M.C. Barnhart. Use of Partial Lifecycle Tests to Determine Effects of Nitrate and an Estrogen on Fatmucket (*Lampsilis siliquoidea*). Freshwater Mollusk Conservation Society 10th Biennial Symposium. Cleveland, OH. Mar 26-30, 2017.
- 85) **Bringolf, R.B.**, A.P. Moore, and M.C. Barnhart. Use of Partial Lifecycle Tests to Determine Effects of Nitrate and an Estrogen on Fatmucket (*Lampsilis siliquoidea*). Georgia Chapter of the American Fisheries Society 2017 Annual Meeting. Statesboro, GA. January 24-26, 2017.
- 84) Urich, M.L., D. Ekman, T. Collette, and **R.B. Bringolf**. Metabolic Profiles of Wild Intersex Largemouth Bass: Toward Development of a Non-lethal Biomarker. Georgia Chapter of the American Fisheries Society 2017 Annual Meeting. Statesboro, GA. January 24-26, 2017.
- 83) Braun, F.P., **R.B. Bringolf**, A. Camus, S. Wilde. Investigating Potential Risks of Utilizing Triploid Grass Carp (*Ctenopharyngodon idella*) for Hydrilla Management at VM Sites. Georgia Chapter of the American Fisheries Society 2017 Annual Meeting. Statesboro, GA. January 24-26, 2017.
- 82) **Bringolf, R.B.** and C. Rewis. Are They Recovered Yet? Swimming Performance of Fish Following Anesthesia with Eugenol. Georgia Chapter of the American Fisheries Society 2017 Annual Meeting. Statesboro, GA. January 24-26, 2017.

- 81) Haney, A., **R. Bringolf**, and S. Wilde. Evaluating Behavioral and Physiological Responses of Triploid Grass Carp Consuming Aquatic Vegetation Colonized by Toxic *Aetokthonos hydrillicola*. Georgia Chapter of the American Fisheries Society 2017 Annual Meeting. Statesboro, GA. January 24-26, 2017.
- 80) Haskins, D.L., M.T. Hamilton, A. Jones, J.W. Finger, **R.B. Bringolf**, T.D. Tuberville. Accumulation and immunological costs of trace element contaminants in yellow-bellied sliders. Presented at the 23rd Annual Meeting of The Wildlife Society. Raleigh, NC. October 15-19, 2016.
- 79) Moore, A.P. and **R.B. Bringolf**. Is nitrate a potentiator of estrogens in fish?: A multi-tiered approach. Presented at the 2016 Joint Annual Meeting of the Alabama & Georgia Chapters of the American Fisheries Society. Columbus, GA. February 9-11, 2016.
- 78) Nelson, J.M. and **R.B. Bringolf**. Freshwater mussel larval metamorphosis response to elevated cortisol in host fishes. Presented at the 2016 Joint Annual Meeting of the Alabama & Georgia Chapters of the American Fisheries Society. Columbus, GA. February 9-11, 2016. **Awarded 1st place for Best Student Presentation.**
- 77) Urich, M.L., **R.B. Bringolf**, P.J. Lasier, C.A. Jennings. Investigation of Environmental and Biochemical Factors Associated with Intersex in Freshwater Fish Presented at the 2016 Joint Annual Meeting of the Alabama & Georgia Chapters of the American Fisheries Society. Columbus, GA. February 9-11, 2016.
- 76) Urich, M.L., **R.B. Bringolf**, D. Ekman, T. Collette, D. Skelton, J. Davis. Metabolic Profiles of Intersex Largemouth Bass. Presented at the UGA Interdisciplinary Toxicology Program Workshop. Athens, GA. Apr. 15, 2015. **Awarded 1st place for Best Student Presentation.**
- 75) **Bringolf, R.B.**, Jacobs, W.N., S. Hassan, P. Lasier, and M.L. Urich. Sources and effects of estrogens in the Upper Conasauga River. Presented at the Georgia Water Resources Conference. Athens, GA. Apr. 28-29, 2015.
- 74) Lasier, P.J., M.L. Urich, S.M. Hassan, W.N. Jacobs, **R.B. Bringolf**, K.M. Owens, and E. Prowell. Agricultural chemicals in surface waters and sediments from the Upper Conasauga River. Presented at the Georgia Water Resources Conference. Athens, GA. Apr. 28-29, 2015.
- 73) Nelson, J.M. and **R.B. Bringolf**. Investigating the effects of cortisol on larval mussel metamorphosis success. Presented at the Freshwater Mollusk Conservation Society Symposium. St. Charles, MO. Mar. 22-26, 2015.
- 72) **R.B. Bringolf**, Stoeckel, J.A., W.R. Haag, M. Hart, and S.M. Hassan. Effects of roundup on mussel recruitment and transformation success under semi-natural conditions. Presented at the Freshwater Mollusk Conservation Society Symposium. St. Charles, MO. Mar. 22-26, 2015.
- 71) Mitchell, K., W. Wayman, **R.B. Bringolf**, and J.A. Stoeckel. Evaluation of a fluorescent dye assay to assess glochidial health. Presented at the Freshwater Mollusk Conservation Society Symposium. St. Charles, MO. Mar. 22-26, 2015.
- 70) Urich, M.L., **R.B. Bringolf**, D. Ekman, T. Collette, D. Skelton, and J. Davis. Metabolic Profiles of Intersex Largemouth Bass. Presented at the Southern Division of the American Fisheries Society Meeting. Savannah, GA. Jan. 29 - Feb. 1, 2015.
- 69) Fritts, A., J. Peterson, P. Hazelton, and **R. Bringolf**. Laboratory evaluation of physiological biomarkers of stress in freshwater mussels. Presented at the Mississippi River Research Consortium. La Crosse, WI. April 23-25, 2014.
- 68) **Bringolf, R.**, B. Ratajczak, K. Thompson, and D. Berle. Sustainability science in middle school: Aquaponics as a teaching tool. Presented at the University of Georgia Sustainability Science Symposium and Workshop. Athens, GA. Feb. 28, 2014.
- 67) Jacobs, W.N., **R. Bringolf**, S. Hassan, and P. Lasier. Sources and effects of estrogens in the Upper Conasauga River. Presented at the Georgia Chapter Meeting of the American Fisheries Society. Athens, GA. Feb. 11-13, 2014.

- 66) Jacobs, W.N., **R. Bringolf**, S. Hassan, and P. Lasier. Sources and effects of estrogens in the Upper Conasauga River. Presented at the Southern Division Meeting of the American Fisheries Society. Charleston, SC. Jan. 22-26, 2014.
- 65) **Bringolf, R.**, A. Fritts, M.C. Barnhart, and W.G. Cope. Is glochidia viability indicative of infectivity, the ability to attach and metamorphose? Presented at the 2013 Freshwater Mollusk Conservation Society Symposium. Guntersville, AL. March 10-14, 2013.
- 64) Hazelton, P., **R.B. Bringolf**, B. Du, and B. Brooks. Happy as a clam? Behavioral and physiological effects of the antidepressant fluoxetine on freshwater mussels. Presented the 2013 Freshwater Mollusk Conservation Society Symposium. Guntersville, AL. March 10-14, 2013.
- 63) Fritts, A., M. Fritts, S. Carleton, and **R. Bringolf**. Shifts in stable isotopes confirm freshwater mussel parasitism. Presented at the 2013 Freshwater Mollusk Conservation Society Symposium. Guntersville, AL. March 10-14, 2013.
- 62) Fritts, M., A. Fritts, S. Carleton, and **R. Bringolf**. Shifts in stable isotopes confirm freshwater mussel parasitism. Presented at the Illinois Chapter of the American Fisheries Society. Rend Lake, IL. March 5-7, 2013.
- 61) Jacobs, W.N., **R. Bringolf**, S. Hassan, P. Lasier, and M. Urich. Sources and effects of estrogens in the Upper Conasauga River. Presented at the Southern Division Meeting of the American Fisheries Society. Nashville, TN. Feb. 7-10, 2013.
- 60) Fritts, A., M. Fritts, S. Carleton, and **R. Bringolf**. Shifts in stable isotopes confirm freshwater mussel parasitism. Presented at the Warnell School Graduate Student Symposium. Athens, GA. Feb. 13-15, 2013. **Awarded 1st place for Best Student Presentation.**
- 59) Fritts, A.K., M. Fritts, S. Carleton, **R. Bringolf**. Shifts in stable isotope signatures confirm parasitic relationship of freshwater mussel glochidia attached to host fish. Presented at the 2013 annual meeting of the Georgia Chapter of the American Fisheries Society. Jekyll Island, GA. Jan. 21-23, 2013. **Awarded 1st place for Best Student Presentation.**
- 58) Jacobs, W.N., P. Lasier, S. Hassan, **R. Bringolf**. Sources and effects of estrogens in the Upper Conasauga River. Presented at the 2013 annual meeting of the Georgia Chapter of the American Fisheries Society. Jekyll Island, GA. Jan. 21-23, 2013.
- 57) **Bringolf, R.B.** UGAquaponics: sustainable fish and vegetable production at UGA. Presented at Sustainable Food Symposium, UGA Office of Sustainability. Athens, GA. October 24, 2012.
- 56) Kellock, K. and **R.B. Bringolf**. Potential factors for high intersex rates of largemouth bass. Presented at the 142nd annual meeting of the American Fisheries Society. St. Paul, MN. Aug. 18-23, 2012.
- 55) **Bringolf, R.B.**, K. Kellock, C.A. Jennings, B. Trushel, and P. Ely. High rates of intersex in bass from small impoundments. Presented at the 142nd annual meeting of the American Fisheries Society. St. Paul, MN. Aug. 18-23, 2012.
- 54) Jacobs, W., P. Lasier, S. Hassan, and **R.B. Bringolf**. Sources and effects of estrogens in the Upper Conasauga River. Presented at the 2012 Southeast Regional Chapter of the Society of Environmental Toxicology and Chemistry. Pensacoala, FL. Mar. 16-17, 2012.
- 53) K. Kellock, C. Jennings, P. Ely, B. Trushel, and **R.B. Bringolf**. Intersex fish: Not just in wastewater anymore. Presented at the 2012 Southeast Regional Chapter of the Society of Environmental Toxicology and Chemistry. Pensacoala, FL. Mar. 16-17, 2012.
- 52) Hazelton, P. **R.B. Bringolf**, P. Lasier, and M. Urich. Effects of agriculturally and industrially contaminated sediment on freshwater mussels. Presented at the 2012 Southeast Regional Chapter of the Society of Environmental Toxicology and Chemistry. Pensacoala, FL. Mar. 16-17, 2012. **Awarded 2nd place for Best Student Presentation.**
- 51) Leonard, J.A., W.G. Cope, M.C. Barnhart and **R.B. Bringolf**. Biochemical and reproductive

- effects of the synthetic estrogen 17 α -ethinylestradiol on the unionid mussel *Lampsilis fasciola*. Presented at the 2012 annual meeting of the North Carolina Chapter of the American Fisheries Society. Raleigh, NC. Feb. 28-29, 2012.
- 50) Morgan, J., J. Herrin, K. Kellock, R. Haynie, S. Wilde, and **R.B. Bringolf**. Endocrine disruption in juvenile fathead minnows (*Pimephales promelas*) exposed to cyanobacteria. Presented at the 2012 annual meeting of the Georgia Chapter of the American Fisheries Society. Macon, GA. Feb. 7-9, 2012.
 - 49) Hazelton, P.D., **R.B. Bringolf**, P. Lasier, and M. Urich. Effects of agricultural and industrially contaminated sediment on freshwater mussels. Presented at the 2012 annual meeting of the Georgia Chapter of the American Fisheries Society. Macon, GA. Feb. 7-9, 2012.
 - 48) Kellock, K.A., C.A. Jennings, P. Ely, B. Trushel, and **R.B. Bringolf**. Intersex fish influenced by factors other than municipal wastewater effluent. Presented at the 2012 annual meeting of the Georgia Chapter of the American Fisheries Society. Macon, GA. Feb. 7-9, 2012.
 - 47) Jacobs, W., P. Lasier, S. Hassan, and **R.B. Bringolf**. Sources and effects of estrogens in the Upper Conasauga River. Presented at the 2012 annual meeting of the Georgia Chapter of the American Fisheries Society. Macon, GA. Feb. 7-9, 2012.
 - 46) **Bringolf, R.B.**, K. Kellock, B. Trushel, P. Ely, and C. Jennings. Intersex fish: Not just in wastewater anymore. Presented at the 2012 annual meeting of the Southern Division of American Fisheries Society. Biloxi, MS. Jan. 26-29, 2012.
 - 45) Morgan, J., J. Herrin, K. Kellock, R. Haynie, S. Wilde, and **R. Bringolf**. Endocrine disruption in fathead minnows (*Pimephales promelas*) exposed to cyanobacteria. Presented at the 2012 annual meeting of the Southern Division of American Fisheries Society. Biloxi, MS. Jan. 26-29, 2012. **Awarded 2nd place for Best Student Presentation.**
 - 44) Kellock, K. and **R.B. Bringolf**. Intersex fish influenced by factors other than municipal wastewater effluent. Presented at the 2011 Society of Environmental Toxicology and Chemistry North America Meeting. Boston, MA. Nov. 7-12, 2011.
 - 43) Kellock, K. and **R.B. Bringolf**. Assessment of endocrine disruption in fish and estrogenic potency of waters in Georgia. Presented at the 2011 Georgia Water Resources Conference, Athens, GA, April 11–13, 2011.
 - 42) Fritts, A. and **R.B. Bringolf**. Establishment of baseline seasonal hemolymph chemistry parameters. Presented at the 7th Biennial Symposium of the Freshwater Mollusk Conservation Society. Louisville, KY. Apr. 11-15, 2011.
 - 41) **Bringolf, R.B.** A. Fritts, M.C. Barnhart and W.G. Cope. Is glochidia viability accurately determined by NaCl exposure? Presented at the 7th Biennial Symposium of the Freshwater Mollusk Conservation Society. Louisville, KY. Apr. 11-15, 2011.
 - 40) **Bringolf, R.B.**, K. Kellock, B. Trushel, P. Ely and C. Jennings. Survey of intersex bass and estrogens in GA waters. Presented at the 2011 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Feb. 2-3, 2011.
 - 39) Fritts, A. and **R. B. Bringolf**. Advances in host fish identification for three imperiled freshwater mussel species endemic to Georgia. Presented at the 2011 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Feb. 2-3, 2011. **Awarded 2nd Place for Best Student Presentation.**
 - 38) Parr, R.T., S. Woodward, C. Jennings, and **R.B. Bringolf**. Reproductive status and population demographics of the tripletail, *Lobotes surinamensis*, aggregation near Jekyll Island, Georgia. Presented at the 2011 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Feb. 2-3, 2011.

- 37) Seehorn, J., J. Shelton, and **R.B. Bringolf**. Biotic and abiotic responses to in-stream habitat modification in North Georgia Brook Trout (*Salvelinus fontinalis*) streams. Presented at the 2011 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Feb. 2-3, 2011.
- 36) Fritts, A., J. Peterson, **R. Bringolf**. Development of a non-lethal approach for assessing stress in freshwater mussels. Presented at the 2010 Southeastern Fishes Conference. Athens, GA. Nov. 11-12, 2010. **Awarded 2nd Place for Best Student Presentation.**
- 35) Kellock, K. and **R. Bringolf**. Temperature influenced endocrine disruption with 17B estradiol exposure and re-challenge with fathead minnows (*Pimephales promelas*). Presented at the 2010 Society of Environmental Toxicology and Chemistry North America Meeting. Portland, OR. Nov. 6-11, 2010.
- 34) Crownhart, A., J. Peterson, J. Wisniewski and **R. Bringolf**. Development of a non-lethal approach for assessing stress in freshwater mussels. University of Georgia Graduate Research Symposium. 26 March 2010. Athens, GA.
- 33) Hazelton, P.D., W.G. Cope, M.C. Barnhart, and **R.B. Bringolf**. Effects of PFOS on early life stages of freshwater mussels. Presented at the 2010 Joint Meeting of the Carolinas and Southeast Chapters of the Society of Environmental Toxicology and Chemistry. Athens, GA. Mar. 25-27, 2010. **Awarded Best Student Presentation.**
- 32) Crownhart, A., J. Peterson, J. Wisniewski and **R. Bringolf**. 2010. Development of a non-lethal approach for assessing stress in freshwater mussels. Warnell Graduate Student Symposium. 4 March 2010. Athens, GA. Platform Presentation. *Second place platform presentation.*
- 31) Hazelton, P.D., W.G. Cope, M.C. Barnhart, and **R.B. Bringolf**. Effects of PFOS on early life stages of freshwater mussels. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010.
- 30) Seehorn, J., J. Shelton, and **R.B. Bringolf**. Biotic and abiotic responses to in-stream habitat modification in North Georgia Brook Trout (*Salvelinus fontinalis*) streams. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010.
- 29) Crownhart, A.K., J.T. Peterson, J. Wisniewski, and **R.B. Bringolf**. Development of a non-lethal approach for assessing stress in freshwater mussels. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010. **Awarded 3rd Place for Best Student Presentation.**
- 28) Parr, R.T., S. Woodward, C. Jennings, and **R.B. Bringolf**. Reproductive status and population demographics of the tripletail, *Lobotes surinamensis*, aggregation near Jekyll Island, Georgia. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010.
- 27) Dycus, J.C., J.T. Peterson, and **R.B. Bringolf**. An evaluation of the influence of stream flows on freshwater mussel growth. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010.
- 26) Kellock, K., B. Trushel, C. Jennings, and **R.B. Bringolf**. Assessment of endocrine disruption in fish and estrogenic potency of waters in Georgia. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010.
- 25) Johnson, J.A., J. Wisniewski, and **R.B. Bringolf**. Fish host identification for endemic mussel species of the Altamaha River Basin and options for propagation in the absence of suitable host fish species. Presented at the 2010 Meeting of the Georgia Chapter of the American Fisheries Society. Perry, GA. Jan. 26-27, 2010.
- 24) Hazelton, P., W.G. Cope and **R.B. Bringolf**. Sublethal effects of PFOS on early life stages of freshwater mussels. Presented at the 30th Annual Meeting of the Society of Environmental Toxicology and Chemistry. New Orleans, LA. Nov. 19-23, 2009.

- 23) Johnson, J.A., J. Wisniewski and **R.B. Bringolf**. Dexamethasone Treatment of Non-Host Fish to Induce Transformation of Juvenile Mussels. Presented at the 139th meeting of the American Fisheries Society. Nashville, TN. Aug. 30 – Sept. 3, 2009.
- 22) Johnson, J.A., J. Wisniewski and **R.B. Bringolf**. Dexamethasone Treatment of Non-Host Fish to Induce Transformation of Juvenile Mussels. Presented at the 6th Biennial Freshwater Mollusk Conservation Society International Symposium, Baltimore, MD. April 19-24, 2009.
- 21) **Bringolf, R.B.**, R.J. Fauver, Q. Huang, and J. Smith. Preliminary assessment of perfluorinated compounds in environmental samples from the Lower Conasauga River, Georgia, USA. Presented at the annual meeting of the Southeast Chapter of the Society of Environmental Toxicology and Chemistry. Gainesville, FL. May 30-June 1, 2008.
- 20) **Bringolf, R.B.**, S. Hassan, J. Smith, and J. Washington. A preliminary assessment of perfluorinated compounds in groundwater and biota from the Lower Conasauga River. **Invited paper** Presented at the 2008 Conasauga Summit. Rome, GA. March 19-20, 2008.
- 19) **Bringolf, R.B.** and K.J. Dockendorf. Preliminary assessment of the role of contaminants in an American shad recovery program. Presented at the Annual meeting of the Georgia Chapter of the American Fisheries Society. Eatonton, GA. January 29-31, 2008.
- 18) **Bringolf, R.B.**, W.G. Cope, C. Eads, D. Shea, R.M. Heltsley, S. Fraley, T.J. Newton. Reproductive effects of the pharmaceutical fluoxetine on a native freshwater mussel. Presented at the 10th Annual Conference of The Water Resources Research Institute of The University of North Carolina, Raleigh, NC. March 27-28, 2007.
- 17) **Bringolf, R.B.**, W.G. Cope, S. Mosher, P. Lazaro, C. Eads, C. Barnhart, and D. Shea. A comprehensive assessment of the hazards of current use pesticides to native freshwater mussels. Presented at the 5th Biennial Freshwater Mollusk Conservation Society Symposium, Little Rock, AR. March 11-16, 2007.
- 16) **Bringolf, R.B.**, W.G. Cope, C. Eads, D. Shea, R.M. Heltsley, S. Fraley, T.J. Newton. Environmental occurrence of fluoxetine and its effects on freshwater mussel reproduction. Presented at the 5th Biennial Freshwater Mollusk Conservation Society Symposium, Little Rock, AR. March 11-16, 2007.
- 15) Cope, W.G., **Bringolf, R.B.**, C. Eads, P.R. Lazaro, D. Shea, and R.M. Heltsley. Preliminary findings of reproductive effects of the pharmaceutical fluoxetine on a native freshwater mussel. Presented at the Annual Meeting of the North Carolina Chapter of the American Fisheries Society. January 26-27, 2006. **Received Don Baker Award for Best Professional Platform Presentation.**
- 14) **Bringolf, R.B.**, W.G. Cope, C. Eads, P.R. Lazaro, D. Shea, and R.M. Heltsley. Preliminary findings of reproductive effects of the pharmaceutical fluoxetine on a native freshwater mussel. Presented at the 26th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Baltimore, MD. November 13-17, 2005.
- 13) Heltsley, R.M., W.G. Cope, D. Shea, **R.B. Bringolf**, T. Kwak, and E. Malindzak. Assessing Organic Contaminants in Fish: Evaluation of a Nonlethal Sampling Technique and Mobile Passive Sampling Devices. Presented at the 26th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Baltimore, MD. November 13-17, 2005.
- 12) **Bringolf, R.B.**, W.G. Cope, P.R. Lazaro, C. Eads, M.C. Barnhart, and D. Shea. Comparison of the sensitivity of current use pesticides to early life stages of native freshwater mussels. Presented at the U.S. Environmental Protection Agency Mussel Toxicity Workshop, Chicago, IL. August 22-23, 2005.
- 11) **Bringolf, R.B.**, L. Humphries, P. Lazaro, C. Eads, C. Barnhart, J. Levine, and W.G. Cope. Assessing the hazards of current-use pesticides to early life stages of freshwater mussels. Presented at the biennial meeting of the Freshwater Mollusk Conservation Society, St. Paul, MN. May 15-18, 2005.
- 10) Cope, W.G., **Bringolf, R.B.**, C. Eads, D. Shea, and R.M. Heltsley. Preliminary findings of reproductive effects of the pharmaceutical fluoxetine on a native freshwater mussel. Presented at the 4th Biennial Meeting of the Freshwater Mollusk Conservation Society, St. Paul, MN. May 15-18, 2005.
- 9) **Bringolf, R.B.**, B.A. Morris, S.A. Collyard, C.J. Boese, R.J. Santore, H.E. Allen, and J.S. Meyer. Effects of pH and dissolved organic matter on acute toxicity of zinc to larval fathead minnows. Presented at the 24th

- Annual Meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX. November 9-13, 2003.
- 8) Morris, B.A., **Bringolf, R.B.**, C.J. Boese, and J.S. Meyer. Protective effects of inorganic salts against zinc toxicity to larval fathead minnows. Presented at the 24th Annual Meeting of the Society of Environmental Toxicology and Chemistry. Austin, TX. November 9-13, 2003.
 - 7) **Bringolf, R.B.**, R.C. Summerfelt, and J.B. Belden. Effects of atrazine in a short-term fathead minnow reproductive assay. Presented at the annual meeting of the Rocky Mountain Chapter of the Society of Environmental Toxicology and Chemistry. Denver, CO. April 16-17, 2003.
 - 6) Morris, B.A., **Bringolf, R.B.**, C.J. Boese, and J.S. Meyer. Protective effects of inorganic salts against zinc toxicity to larval fathead minnows. Presented at the annual meeting of the Rocky Mountain Chapter of the Society of Environmental Toxicology and Chemistry. Denver, CO. April 16-17, 2003.
 - 5) **Bringolf, R.B.** An introduction to environmental estrogens and their effects on fish. Presented at the Midwest Fish and Wildlife Conference, North Central Division of the American Fisheries Society. Bettendorf, IA. December 3-5, 2002.
 - 4) **Bringolf, R.B.**, R.C. Summerfelt, and J.B. Belden. Effects of atrazine in a short-term fathead minnow reproductive assay. Presented at the 23rd Annual Meeting of the Society of Environmental Toxicology and Chemistry. Salt Lake City, UT. November 16-20, 2002.
 - 3) **Bringolf, R.B.**, R.C. Summerfelt, and J.B. Belden. Effects of atrazine in a short-term fathead minnow reproductive assay. Presented at the annual meeting of the Ozark-Prairie Chapter of the Society of Environmental Toxicology and Chemistry. Omaha, NE, May 16-18, 2002. **Awarded Second Place for Best Student Platform Presentation.**
 - 2) **Bringolf, R.B.**, R.C. Summerfelt. Assessment of estrogenic activity in aerated domestic sewage lagoons in Iowa. Presented at the 114th Annual Meeting of the Iowa Academy of Science. Des Moines, IA. April 19-20, 2002.
 - 1) **Bringolf, R.B.**, R.C. Summerfelt. Assessment of estrogenic activity in aerated domestic sewage lagoons in Iowa. Presented at the annual meeting of the Ozark-Prairie Chapter of the Society of Environmental Toxicology and Chemistry. Stillwater, OK. May 18-20, 2001. **Awarded First Place for Best Student Platform Presentation.**

Poster Presentations

- 19) Koli, R.T., B.S. Cummings, T.C. Glenn, R.B. Bringolf, and J.F. Kenneke. Changes in CpG-methylation of Vitellogenin 1 in Adult Male Zebrafish after Exposure to 17 α -ethynylestradiol (EE2). 57th Annual Meeting of the Society of Toxicology. San Antonio, TX. March 11-15, 2018.
- 18) Urlich, M., D. Ekman, T. Collette, D. Skelton, J. Davis, **R.B. Bringolf**. Metabolic Profiles of Wild Intersex Largemouth Bass. 37th Annual meeting of the Society of Environmental Toxicology and Chemistry. Orlando, FL. November 7-11, 2016.
- 17) Moore, A.P. and **R.B. Bringolf**. Is Nitrate a Potentiator of Estrogens in Fish?: A Multi-Tiered Approach. 36th Annual meeting of the Society of Environmental Toxicology and Chemistry. Salt Lake City, UT. November 1-5, 2015.
- 16) Urlich, M. **R.B. Bringolf**, D. Ekman, T. Collette, D. Skelton, J. Davis. Metabolic Profiles of Intersex Largemouth Bass: Toward Development of a Non-lethal Biomarker. 36th Annual meeting of the Society of Environmental Toxicology and Chemistry, Salt Lake City, UT. November 1-5, 2015.
- 15) Leonard, J. Fadrazole. FMCS 2013
- 14) Leonard, J. Estradiol FMCS 2013
- 13) Lasier P.J., Urlich M.L., Hassan S.M., Hazelton P.D., **Bringolf R.B.**, Owens K.M., Prowell E. 2012. Agricultural chemicals in surface waters and sediments from the Upper Conasauga River in

- northwest Georgia, USA. Annual meeting of the Society of Environmental Toxicology and Chemistry, November 11-15, 2012, Long Beach, CA.
- 12) Hazelton, P.D., **Bringolf R.B.**, Lasier P.J., Urich M.L. 2012. Effects of Agricultural and Industrially Contaminated Sediment on freshwater mussels. Annual meeting of the Georgia Chapter of the American Fisheries Society, 7-9, February, 2012, Macon, GA.
 - 11) Hazelton, P.D., M.L. Urich, P. Lasier, and **R.B. Bringolf**. Industrial and Agricultural Polluted Sediments Reduce Survival and Growth in Freshwater Mussels. Presented at the 2011 Society of Environmental Toxicology and Chemistry North America Meeting. Boston, MA. Nov. 7-12, 2011.
 - 10) Kellock, K., B. Trushel, C. Jennings, and **R.B. Bringolf**. Assessment of endocrine disruption in fish and estrogenic potency of waters in Georgia. Presented at the 2010 Joint Meeting of the Carolinas and Southeast Chapters of the Society of Environmental Toxicology and Chemistry. Athens, GA. Mar. 25-27, 2010.
 - 9) **Bringolf, R.B.**, R. Fauver, Q. Huang and J. Smith. Preliminary analysis of PFCs in environmental samples from the Lower Conasauga River, Georgia, USA. Presented at the 2010 Joint Meeting of the Carolinas and Southeast Chapters of the Society of Environmental Toxicology and Chemistry. Athens, GA. Mar. 25-27, 2010.
 - 8) Hazelton, P.D., W.G. Cope, M.C. Barnhart, and **R.B. Bringolf**. Sublethal effects of PFOS on early life stages of freshwater mussels. Presented at the 2010 Meeting of the UGA Interdisciplinary Toxicology Program. Athens, GA. March 3, 2010. **Awarded runner-up for best Student Poster Presentation.**
 - 7) **Bringolf, R.B.**, R. Fauver, Q. Huang and J. Smith. Preliminary analysis of PFCs in environmental samples from the Lower Conasauga River, Georgia, USA. Presented at the 30th Annual Meeting of the Society of Environmental Toxicology and Chemistry. New Orleans, LA. Nov. 19-23, 2009.
 - 6) Hazelton, P.D., W.G. Cope, M.C. Barnhart, **R.B. Bringolf**. Evaluating the effects of emerging contaminants on reproduction in fatmucket (*Lampsilis siliquoidea*). Presented at the annual meeting of the Southeast Chapter of the Society of Environmental Toxicology and Chemistry. Columbus, GA. May 15, 2009.
 - 5) Heltsley, R.H., **R.B. Bringolf**, C. Eads, T. Newton, D. Shea, W.G. Cope. Prozac elicits spawning in native freshwater mussels. American Chemical Society, 232nd National Meeting, San Francisco, California, September 10-14, 2006.
 - 4) **Bringolf, R.B.** and R.C. Summerfelt. Reduction in Estrogenic Potency of Municipal wastewater with serial passage through aerated lagoons. 1st Annual Iowa Water Quality Conference. Ames, Iowa, March 4-6, 2002.
 - 3) **Bringolf, R.B.** and R.C. Summerfelt. Reduction in Estrogenic Potency of Municipal wastewater with serial passage through aerated lagoons. American Fisheries Society- Iowa Chapter Annual Meeting. Moline, Illinois, February 19-21, 2002. **Awarded First Place for Best Poster Presentation.**
 - 2) **Bringolf, R.B.** and R.C. Summerfelt. Reduction in Estrogenic Potency of Municipal wastewater with serial passage through aerated lagoons. Society of Environmental Toxicology and Chemistry (SETAC), 22nd Annual National Meeting, Baltimore, Maryland, November 11-15, 2001.
 - 1) **Bringolf, R.B.**, R.C. Summerfelt, and N.D. Denslow. Preliminary findings of vitellogenin in caged male fathead minnows in stage 1 sewage lagoons and reduced response of fish in stage 2 lagoons. Society of Environmental Toxicology and Chemistry- Ozark-Prairie Chapter annual meeting, Leavenworth, Kansas, May 19-21, 2000.

University Teaching Experience

University of Georgia

Fundamentals of Ecotoxicology	FISH 8350	Spring 2010, Summer 2017
Fish Physiology & Lab	FISH 4500/6500	Fall 2008, 2012-present
Sustainable Aquaculture	FISH 4550/6550	Spring 2010-present (odd yrs)
Ecotoxicology	FISH 4600/6600	Spring 2010-present (even yrs)

Graduate Seminar: Ecotoxicology	FISH 8300	Summer 2015, 2016
Teaching Practicum	FANR 7990/9900	Fall 2013
Scientific Research in Fors. & Nat. Res.	FANR 8200	Spring 2014
Senior Project	FANR 4500	Spring 2013
First Year Odyssey Seminar: Aquaponics	FYOS 1001	Fall 2013
First Year Odyssey Seminar: Fish Biology	FYOS 1001	Fall 2011, 2012
Biology & Ecology of Freshwater Mussels	WILD 8300	Spring 2008, 2012
Environmental Biology of Fishes	FISH 4300/6300	Fall 2009-2011
Natural Resources Conservation	FANR 1100	Spring 2009

University of Wyoming

Ecotoxicology	ZOO 5790	Spring 2004
Ichthyology	ZOO 4330/5330	Spring 2003
Fish Culture and Nutrition	ZOO 4740/5740	Fall 2003

Invited Lectures

- Gender-bending fish: Intersex and beyond. Orientation to Environmental Health Science (EHSC 2020), University of Georgia, Athens, Georgia. March 2014, Oct 2015, Nov. 2016.
- Introduction to Ecotoxicology. Physiological Ecology (ECOL 4240), University of Georgia, Athens, Georgia. September, 2013, 2014, 2015, 2016.
- Endocrine Disruption. Honors Gateway Seminar (HONS 3070H). University of Georgia, Athens, Georgia. October 2009, 2010, 2012, 2013, April 2011.
- Emerging Contaminants. Chemical Toxicology (PHRM 8930), University of Georgia, Athens, Georgia. March 2011, 2012.
- Water Pollution. Natural Resource Conservation (FORS 1100), University of Georgia, Athens, Georgia. September 2008, 2009, 2010, 2012, 2013, 2014.
- Introduction to Ecotoxicology. Introduction to Toxicology (PHRM 6910), University of Georgia, Athens, Georgia. December, 2010, 2011, 2012, 2013, 2014, 2015.
- Endocrine Disruption in Fish (Lab). Aquatic Toxicology (EHSC 8310), University of Georgia, Athens, Georgia. April 2010, 2012.
- Endocrine Disruption. Seminar in Modern Biology (BIOL 2990H). University of Georgia, Athens, Georgia. October 2008, 2009, 2013, 2014.
- Fish Reproductive Physiology & Endocrine Disruption. Fish Physiology (FORS 4370), University of Georgia, Athens, Georgia, December 3, 2007.
- Mussels on Prozac: Happy as Clams? Environmental Toxicology and Chemistry (TOX 414), North Carolina State University, Raleigh, North Carolina, September 20, 2006.
- Endocrine Disruption. Principles of Toxicology (TOX 501), Iowa State University, Ames, Iowa, April 2, 2002.
- Endocrine disrupters in the environment. Pesticides in the Environment (TOX 513), Iowa State University, Ames, Iowa, April 12, 2001.

Graduate Student Committees Chaired (all University of Georgia unless otherwise noted)

<u>Student</u>	<u>Degree</u>	<u>Year</u>	<u>Program</u>	<u>Employment</u>
Jennifer Johnson	MS	2010	WSFN [*]	Aquatic Biologist, MI Dept. of Env. Quality
Joshua Seehorn	MNR	2011	WSFN ^R	Unknown
Russell Parr [^]	MS	2011	WSFN ^R	Project Manager, Resource Land Consultants
Kristen Kellock	PhD	2013	ITP ^{**}	Toxicologist, MI Dept. of Env. Quality
Peter Hazelton	PhD	2013	ITP	Aquatic Ecologist, MA Div. of Fish & Wildlife
Andrea Fritts	PhD	2013	WSFN ^R	Research Biologist, US Fish & Wildlife Service
Whitney Jacobs	MS	2013	WSFN ^R	Law student, University of Florida

Rebecca Philips	MS	2015	WSFN/SREL***US Forest Service
Elizabeth Hincker	MNR	2016	WSFN Unknown
Jace Nelson	MS	2016	WSFN University of Georgia, Field Technician
Matthew Hamilton^	MS	2016	WSFN/SREL Biological Technician, SREL
David Haskins^	MS	2016	WSFN/SREL PhD student, University of Georgia
Matthew Ulrich	PhD	expected 2018	ITP
Adrian Parr	PhD	expected 2018	ITP
David Haskins^	PhD	expected 2020	ITP
Alex Pelletier	MS	expected 2018	WSFN
Shannon Kirk	MS	expected 2018	WSFN

^Co-chair

*Warnell School of Forestry & Natural Resources

**UGA Interdisciplinary Toxicology Program

***UGA Savannah River Ecology Lab

Graduate Student Committee Service

University of Georgia

Allison Price	MS	2008	WSFN*
Suzanne Baird	MS	2009	Env. Health Science, CPH**
Hayden Martin	MS	2010	WSFN
Daniel Farrae	MS	2010	WSFN
Justin Dycus	MS	2011	WSFN
Mark Fritts	MS	2011	WSFN
Michael Bednarski	PhD	2012	WSFN
Zach Anglin	MS	2012	WSFN
Rashmi Singh	PhD	2013	Interdisciplinary Toxicology Program
Gabrielle Robinson	MS	2013	WSFN
Gary Eddy	MNR	2013	WSFN
Emily Roberts	PhD	2013	Interdisciplinary Toxicology Program
Chi-Yen Tseng	MS	2013	Interdisciplinary Toxicology Program
Jamie Morgan	MS	2013	WSFN
Phong Nguyen	MS	2013	WSFN
Sean Sterrett	PhD	2014	WSFN
Kristi Segal	PhD	2014	Odum School of Ecology
Joseph Iburg	PhD	2014	Interdisciplinary Toxicology Program
Qi Luo	PhD	2015	Interdisciplinary Toxicology Program
Cassie Jansch	MS	2015	WSFN
Derek Bahr	MS	2015	WSFN
Katie Bockrath	PhD	2015	Genetics
Eric Myers	MS	2015	College of Engineering
Caitlin Rumrill	MS	2015	Odum School of Ecology/SREL***
Mark Myer	MS	2015	Env. Health Science, CPH
Garon Brandon	MNR	2016	WSFN
Andrew Marbury	MS	2016	WSFN
Samuel Furey	MNR	2016	WSFN
Tim Clohisy	MNR	2017	WSFN
Donna Glinski	PhD	2017	Interdisciplinary Toxicology Program
Jessica Davis	MS	2017	Odum School of Ecology
Ramya Koli	PhD	2017	Interdisciplinary Toxicology Program
Zoe Cooper	MS	2017	WSFN
Adam Fox	PhD	In Progress	WSFN
Alex Cummings	MS	In Progress	WSFN
Tabitha Phillips	MS	In Progress	WSFN
Melissa Martin	MS	In Progress	WSFN
Nathaniel Hancock	MS	In Progress	WSFN
Guy Eroh	MS	In Progress	WSFN

*Warnell School of Forestry & Natural Resources
 **College of Public Health
 ***Savannah River Ecology Lab

Undergraduate Research Advising

University of Georgia

Brenna Schroder	Sr. Thesis	Fall 2017	WSFNR
Austin Haney	Sr. Thesis	Fall 2016	WSFNR
Derek Pope	Sr. Thesis	Fall 2016	WSFNR
Chris Tucker	Sr. Thesis	Spring 2016	WSFNR
Cody Rewis	Directed Study	Spring 2016	WSFNR
Regan Durkin	Directed Study	Spring 2016	UGA Terry College of Business
Laura Rasche	CURO	Fall 2014	UGA Biology
Aaron Hart	Directed Study	Fall 2013	UGA Plant Sciences
George Fullerton	Sr. Thesis	Fall 2013	WSFNR
Daniel Thomas	Sr. Thesis	Spring 2013	WSFNR
Zach DeWolfe	Sr. Thesis	Spring 2013	WSFNR
Diana Ji-Hae Song	CURO	Summer 2012	UGA Biology
Julie Creamer	Sr. Thesis	Spring 2012	WSFNR
Ariana Kazez	CURO	Summer 2011	UGA Biology
Elizabeth Pruitt	CURO	Summer 2011	UGA Biology
Emily Reed	Honors Thesis	Fall 2010	WSFNR
Ryan Harrell	Sr. Thesis	Fall 2010	WSFNR
Ethan Shinebaum	CURO	Summers 2010, 2011	UGA Biology
Russell Parr	Sr. Thesis	Fall 2008	WSFNR

Professional Society Memberships & Activities

Editorial Review Board Member for Freshwater Mollusk Biology and Conservation. 2011- present.

Invited Manuscript Reviews (>75 since 2007)

Aquatic Conservation: Marine & Freshwater Ecosystems
 Ecotoxicology
 Ecotoxicology & Environmental Safety
 Freshwater Science
 General and Comparative Endocrinology
 Walkerana- Journal of the Freshwater Mollusk Conservation Society
 American Chemical Society (book chapter)
 Transactions of the American Fisheries Society
 Environmental Toxicology and Chemistry
 Journal of Biochemical and Molecular Toxicology
 Journal of Comparative Biochemistry and Physiology
 Aquatic Toxicology
 Science of the Total Environment
 Environmental Pollution
 Environmental Science & Technology
 Journal of the North American Benthological Society
 PLoS One
 Archives of Environmental Contamination and Toxicology
 Environmental Research
 Southeastern Naturalist
 Pacific Northwest Science

Grant Proposal Reviews:

California Sea Grant (2017; 1 proposal)
 U.S. Geological Survey National Institutes for Water Resources (2016; 1 proposal)
 South Carolina Sea Grant Consortium (2016; 1 proposal)
 Danish Council for Independent Research (NEED; 2015, 1 proposal)
 National Science Foundation HBCU-UP (2015, 1 proposal)
 Swiss National Science Foundation (2015, 1 proposal)
 Illinois Water Resources Center (1 proposal)
 Delta Science Program (1 proposal)
 Center for Health Effects of Environmental Contamination (1 proposal)
 USGS National Climate Change and Wildlife Science Center (2 proposals)
 Oklahoma Water Research Resources Institute (1 proposal)
 Center for Health Effects of Environmental Contaminants (1 proposal)

Other reviews:

External review of Promotion and Tenure materials for Dr. Michael Gangloff, for the Appalachian State University.
 External review of Promotion and Tenure materials for Dr. Goran Bozinovic, for the University of California – San Diego.
 U.S. Geological Survey technical reviews (5 manuscripts). 2012, 2013, 2015, 2016, 2017
 U.S. Environmental Protection Agency CADDIS Module on Fish Deformities, Eroded fins, Lesions and Tumors (DELTS). 2012.
 U.S. Environmental Protection Agency Position Statement on Water Quality Criteria Derivation. 2011.
 Society of Conservation Biology (30 abstracts for annual meeting). 2008.

Professional Societies:

American Fisheries Society (AFS). 1996 – present.
 Fish Physiology Section. 2006 – present.
 Water Quality Section. 2006 – present.
 Georgia Chapter. 2007 – present.
 North Carolina Chapter. 2005 – 2007.
 Iowa Chapter. 1999 – 2002.

Freshwater Mollusk Conservation Society (FMCS). 2004 – present.
 Environmental Affairs Committee. 2008 – present.

Society of Environmental Toxicology and Chemistry (SETAC). 1999 – present.
 Southeastern Chapter of SETAC. 2007 – 2012.
 President, 2009-2010.
 Vice President, 2008-2009.
 Carolinas Chapter of SETAC. 2004 – 2007.
 Co-Chair, 2005 Annual Meeting, Raleigh, NC, April 2005.
 Rocky Mountain Chapter of SETAC. 2003 – 2004.
 Ozark-Prairie Chapter of SETAC. 1999 – 2002.
 Board Member (student)- Ozark-Prairie Regional Chapter of SETAC. 2000 – 2002.

University Committee Activity

University Level

- University Council Executive Committee. University of Georgia. 2015-present.
- University Council. University of Georgia. 2013 – 2016.

- Faculty Affairs Committee. 2013 – 2016.
- Research Scientist Promotion Committee. University of Georgia. 2013 – 2016.
- Graduate Council. University of Georgia. 2010 – 2013.
 - Graduate School Appointment & Reappointment Committee. 2012 – 2013.
 - Graduate School Program Committee. 2010 – 2012.
- IACUC Committee (Alternate member). 2011 – 2014.

Departmental/ School Level

- Warnell School of Forestry & Natural Resources, University of Georgia.
 - Graduate Affairs Committee
 - Chair, 2015 – present.
 - Member, 2011 – 2015.
 - Research Coordination and Review Committee. 2015 – present.
 - Promotion and Tenure Review Ad-hoc Committee. 2015-2016.
 - Strategic Planning Committee. 2015-2016.
 - Search Committee. Wildlife biologist faculty position. Warnell School of Forestry & Natural Resources. University of Georgia. 2014.
 - Young Alumni Committee. Warnell School of Forestry & Natural Resources. University of Georgia. 2013 – 2015.
 - Teaching Effectiveness Committee. 2009 – 2015.
 - Faculty Search Committee. Wildlife biologist position. 2012-2013.
 - Faculty Search Committee. Wildlife biologist position. 2010.
- Interdisciplinary Toxicology Program, University of Georgia.
 - Executive Committee. 2012 – present.
 - Curriculum Committee. Interdisciplinary Toxicology Program. University of Georgia. 2009 – present.
 - Admissions Committee. Interdisciplinary Toxicology Program. University of Georgia. 2009 – 2012.

Service and Outreach

ASTM Task Group Member for development of “Standard guide for conducting laboratory toxicity tests with freshwater mussels (E2455-06).” ASTM International Annual Book of Standards Volume 11.06, West Conshohocken, PA.

Chair, Conservation Committee. Jordan Lake (North Carolina) Striper Club. 2006 – 2007.

Organized and initiated Environmental Toxicology Journal Club in the Department of Environmental and Molecular Toxicology at North Carolina State University. 2004 – 2006.

President, Beta Beta Beta Biological Honor Society. Wartburg College. 1994 – 1995.

Honors and Awards

Nominated for Richard B. Russell Excellence in Undergraduate Teaching Award (University of Georgia). 2016, 2017.

Herrick Superior Teaching Award, UGA Warnell School of Forestry & Natural Resources. 2016

Student Career Development Award, UGA Career Center. April 2014, Dec 2014, May 2015, Dec 2015, May 2016, Dec 2016.

Commencement Ceremony Speaker, UGA Warnell School of Forestry & Natural Resources. Dec. 2013.

Xi Sigma Pi 2013 Herrick Professor of the Year, UGA Warnell School of Forestry & Natural Resources, 2013.

Nominated for Outstanding Graduate Faculty Award. The University of Georgia. 2012, 2013.

2012 Innovative Instruction Faculty Grant. \$5000. The University of Georgia. 2012.

Outstanding Teacher Award. UGA Warnell School of Forestry & Natural Resources. 2012.

AgHon Honorary Member. The University of Georgia Agriculture Honor Society. 2012.

Lilly Teaching Fellows. University of Georgia. 2008 – 2010.

Don Baker Memorial Award (2006, coauthor of paper presented by W.G. Cope). Best professional presentation at the Annual Meeting of the North Carolina Chapter of the American Fisheries Society.

Sherry R. Fisher Graduate Student Award sponsored by the J.N. "Ding" Darling Conservation Foundation. Department of Animal Ecology Iowa State University. April 2002.

Outstanding Water Resources Graduate Student Award. The Iowa State Water Resources Research Institute (ISWRRI). March 2002.

Gamma Sigma Delta. Honor Society of Agriculture. Iowa State University. April 2000.

Premium for Academic Excellence (PACE) Award. Iowa State University. 1998-1999.

Magna Cum Laude. Wartburg College. 1995.

Beta, Beta, Beta. Biological Honor Society. Wartburg College. 1992-1995.

Scholar-Athlete Award. Men's Varsity Basketball. Wartburg College. 1993-1994.