



**ALPHABETICAL RECORD OF HBS  
SCIENTIFIC PAPERS, REPORTS, AND BOOKS  
2000 – 2020**

- Adams, J. K. 2002. The moth fauna of the Highlands area and the possible impacts from 1999 Btk spraying: Sampling the non-target moth fauna in 2001. *USDA Forest Service Final Report*, Asheville, NC.
- Adler, L. S. and J. L. Bronstein. 2004. Attracting antagonists: Does floral nectar increase leaf herbivory? *Ecology* 85: 1519-1526.
- Allen, J. L and J. C. Lendemer. 2016. Climate change impacts on endemic, high-elevation lichens in a biodiversity hotspot. *Biodiversity and Conservation* 25(3): 555–568. doi: 10.1007/s10531-016-1071-4.
- Anderson, J. and S. G. Tilley. 2003. Systematics of the *Desmognathus ochrophaeus* complex in the Cumberland Plateau of Tennessee. *Herpetological Monographs* 17: 75-110.
- Arnold, S. J., K. M. Kiemnec-Tyburczy, and L. D. Houck. 2017. The evolution of courtship behavior in plethodontid alamanders: Contrasting patterns of stasis and diversification. *Herpetologica* 73(3): 190–205.
- Ash, A. 2020. Temporal partitioning of foraging in *Plethodon metcalfi*. *Herpetological Conservation & Biology* 15(1):61–68.
- Ash, A. N., R. C. Bruce, J. Castanet, and H. Francillon-Vieillot. 2003. Population parameters of *Plethodon metcalfi* on a ten-year-old clearcut and in nearby forest in the southern Blue Ridge Mountains. *Journal of Herpetology* 37: 445-452.
- Augustine, K. E. and J. G. Kingsolver. 2018. Biogeography and phenology of oviposition preference and larval performance of *Pieris virginiensis* butterflies on native and invasive host plants. *Biological Invasions* 20: 413–422.
- Babcock, S. K. and J. L. Blasis. 2001. Caudal vertebral development and morphology in three salamanders with complex life cycles (*Ambystoma jeffersonianum*, *Hemidactylium scutatum*, and *Desmognathus ocoee*). *Journal of Morphology* 247: 142-159.

- Baird, R., L. E. Wallace, G. Baker, and M. Scruggs. 2013. Stipitate hydroid fungi of the temperate southeastern United States. *Fungal Diversity* DOI 10.1007/s13225-013-0261-6.
- Baird, R., E. Wood-Jones, J. Varco, C. Watson, W. Starrett, G. Taylor, and K. Johnson. 2014. *Rhododendron* decline in the Great Smoky Mountains and surrounding areas: intensive site study of biotic and abiotic parameters associated with the decline. *Southeastern Naturalist* 13(1): 1-25.
- Baird, R. E., S. Woolfolk, and C.E. Watson. 2009. Microfungi of forest litter of healthy American beech, Fraser fir, and Eastern hemlock stands from forests in Great Smoky Mountains National Park. *Southeastern Naturalist* 8: 609-630.
- Barden, L. S. and J. T. Costa. 2020. Four decades of Table Mountain pine demography on Looking Glass Rock, Transylvania Co., NC, USA. *Castanea* 85(1): 23–31.
- Beachy, C. K., T. J. Ryan, and R. M. Bonett. 2017. How metamorphosis is different in plethodontids: Larval life history perspectives on life-cycle evolution. *Herpetologica* 73(3): 252–258.
- Bernardo, J. and N. L. Regan-Wallin. 2002. *Plethodontid* salamanders do not conform to “general rules” for ectotherm life histories: Insights from allocation models about why simple models do not make accurate predictions. *Oikos* 97: 398-414.
- Birchfield, G. L. and R. C. Bruce. 2000. Morphometric variation among larvae of four species of lungless salamanders (Caudata: Plethodontidae). *Herpetologica* 56: 332-342.
- Brannon, M. P. 2005. Distribution and microhabitat of the woodland jumping mouse, *Napaeozapus insignis*, and the white-footed mouse, *Peromyscus leucopus*, in the southern Appalachians. *Southeastern Naturalist* 4: 479-486.
- Brannon, M. P. 2006. *Bufo A. americanus* (eastern American toad) leucism. *Herpetological Review* 37: 333-334.
- Brannon, M. P. 2009. An additional record of the least shrew, *Cryptotis parva*, from Macon County, North Carolina. *Journal of the North Carolina Academy of Science* 125: 85-86.
- Brannon, M. P. and L. B. Bargelt. 2013. Discarded bottles as a mortality threat to shrews and other small mammals in the southern Appalachian mountains. *Journal of the North Carolina Academy of Sciences* 129: 126–129.
- Brannon, M. P., E. C. Allan, and M. C. Silinski. 2014. Terrestrial salamander abundances along and within an electric power line right-of-way. *Journal of the North Carolina Academy of Science* 130(2): 40-45.
- Brannon, M. P., and S. R. Rogers. 2005. Effects of canopy thinning by hemlock woolly adelgids on the local abundance of terrestrial salamanders. *Journal of the North Carolina Academy of Science* 121:151-156.

- Brannon, M. P., M. A. Burt, D. M. Bost, M. C. Caswell. 2010. Discarded bottles as a source of shrew species distributional data along an elevational gradient in the southern Appalachians. *Southeastern Naturalist* 9: 781-794.
- Brannon, M. P., J. K. H. Brannon, and R. E. Baird. 2017. Educational applications of small mammal skeletal remains found in discarded bottles. *Southeastern Naturalist* 16(Special Issue 10): 4–10.
- Bruce, R. C. 2003. Ecological distribution of the salamanders *Gyrinophilus* and *Pseudotriton* in a southern Appalachian watershed. *Herpetologica* 59: 301–310.
- Bruce, R. C. 2005a. Did *Desmognathus* salamanders reinvent the larval stage? *Herpetological Review* 36: 107–112.
- Bruce, R. C. 2005b. Theory of complex life cycles: application in plethodontid salamanders. *Herpetological Monographs* 19: 180–207.
- Bruce, R. C. 2008. Intraguild interactions and population regulation in plethodontid salamanders. *Herpetological Monographs* 22: 31–53.
- Bruce, R. C. 2009. Life-history contributions to miniaturization in the salamander genus *Desmognathus* (Urodela: Plethodontidae). *Copeia* 2009: 714–723.
- Bruce, R. C. 2010. Proximate contributions to adult body size in two species of dusky salamanders (Plethodontidae: *Desmognathus*). *Herpetologica* 66: 393–402.
- Bruce, R. C. 2011. Community assembly in the salamander genus *Desmognathus*. *Herpetological Monographs* 25: 1-24.
- Bruce, R. C. 2013. Size-mediated tradeoffs in life-history traits in dusky salamanders. *Copeia* 2013(2): 262–267.
- Bruce, R. C. 2014. Reproductive allometry in three species of dusky salamanders. *Copeia* 2014(3): 419–427.
- Bruce, R. C. 2016a. Application of the Gompertz function in studies of growth in dusky salamanders (Plethodontidae: *Desmognathus*). *Copeia* 104(1): 94–100.
- Bruce, R. C. 2016b. Relative growth rates in three species of *Desmognathus* (Amphibia: Plethodontidae). *Herpetologica* 72(3): 174–180.
- Bruce, R. C. 2017a. A provisional model of demography in *Desmognathus ocoee* (Amphibia, Plethodontidae). *Copeia* 105(4): 634–639.
- Bruce, R. C. 2017b. Lungless in Highlands: A brief history of research and education on plethodontid salamanders at Highlands Biological Station. *Herpetological Review* 48(3): 576–581.

- Bruce, R. C. 2019. Life history evolution in plethodontid salamanders and the evolutionary ecology of direct development in Dusky Salamanders (*Desmognathus*). *Herpetological Review* 50(4): 673–682.
- Bruce, R. C., J. Castanet, and H. Francillon-Vieillot. 2002. Skeletochronological analysis of variation in age structure, body size, and life history in three species of desmognathine salamanders. *Herpetologica* 58: 181–193.
- Bruce, R. C., R. G. Jaeger, and L. D. Houck (eds.). 2000. *The Biology of Plethodontid Salamanders*. New York: Kluwer Academic/Plenum Publishers, 488 pp.
- Camp, C. D., J. L. Marshall, K. R. Landau, R. N. M. Austin, and S. G. Tilley. 2000. Sympatric occurrence of two species of the two-lined salamander (*Eurycea bislineata*) complex. *Copeia* 2000: 572–578.
- Camp, C. D., W. E. Peterman, J. R. Milanovich, T. Lamb, J. C. Maerz, and D. B. Wake. 2009. A new genus and species of lungless salamander (family Plethodontidae) from the Appalachian highlands of the southeastern United States. *Journal of Zoology* 279: 86–94.
- Cashner, M. F., K. R. Piller, H. L. Bart. 2011. Phylogenetic relationships of the North American cyprinid subgenus *Hydrophlox*. *Molecular Phylogenetics and Evolution* 59: 725–735.
- Chouinard, A. J., D. B. Wilburn, L. D. Houck, and R. C. Feldhoff. 2012. Individual variation in pheromone isoform ratios of the Red-legged salamander, *Plethodon shermani*. *Chemical Signals in Vertebrates* 12: 99–115.
- Connette, G. M. and R. D. Semlitsch. 2011. Successful use of a passive integrated transponder (PIT) system for below-ground detection of plethodontid salamanders. *CSIRO Wildlife Research* 39(1): 1–6.
- Connette, G. M. and R. D. Semlitsch. 2013a. Life history as a predictor of salamander recovery rate from timber harvest in southern Appalachian forests, U.S.A. *Conservation Biology* 27(6): 1399–1409.
- Connette, G. M. and R. D. Semlitsch. 2013b. Context-dependent movement behavior of woodland salamanders (*Plethodon*) in two habitat types. *Zoology* 116(6): 325–330.
- Connette, G. M. and R. D. Semlitsch. 2015. A multistate mark–recapture approach to estimating survival of PIT-tagged salamanders following timber harvest. *Journal of Applied Ecology* DOI: 10.1111/1365-2664.12472.
- Connette, G. M., J. A. Crawford, and R. D. Semlitsch. 2015. Climate change and shrinking salamanders: alternative mechanisms for changes in plethodontid salamander body size. *Global Change Biology* 21: 2834–2843.

- Connette, G. M., M. S. Osbourn, and W. E. Peterman. 2016. The distribution of a stream-breeding salamander, *Desmognathus ocoee*, in terrestrial habitat suggests the ecological importance of loworder streams. *Copeia* 104: 149–156.
- Corser, J. D. 2001. Decline of disjunct green salamander (*Aneides aeneus*) populations in the southern Appalachians. *Biological Conservation* 97: 119–126.
- Costa, J. T. 2006. *The Other Insect Societies*. Cambridge, Mass.: Belknap/Harvard University Press, 812 pp.
- Costa, J. T. 2009a. *The Annotated Origin*. Cambridge, Mass.: Belknap/Harvard University Press, 576 pp.
- Costa, J. T. 2009b. The Darwinian revelation: Tracing the origin and evolution of an idea. *BioScience* 59: 886–894.
- Costa, J. T. 2010. Social evolution in 'other' insects and arachnids. In: Breed M.D. and Moore J. (eds) *Encyclopedia of Animal Behavior*, pp. 231–241. Oxford, UK: Academic Press.
- Costa, J. T. 2012. New landscapes and new eyes: The many voyages of Charles Darwin. pp. 42–55 In: S. G. da Silva et al. (eds.) *(Dis)Entangling Darwin: Cross-Disciplinary Reflections on the Man and His Legacy*. Newcastle, UK: Cambridge Scholars Publishing.
- Costa, J. T. 2013a. *On the Organic Law of Change: A Facsimile Edition and Annotated Transcription of Alfred Russel Wallace's Species Notebook of 1855–1859*. Cambridge, Mass: Harvard University Press, 592 pp.
- Costa, J. T. 2013b. Hamiltonian inclusive fitness: A fitter fitness concept. *Biology Letters* 9(6): 20130335.
- Costa, J. T. 2013c. Engaging with Lyell: Alfred Russel Wallace's Sarawak Law and Ternate papers as reactions to Charles Lyell's *Principles of Geology*. *Theory in Biosciences* 132(4): 225–237.
- Costa, J. T. 2013d. Synonymy and its discontents: Alfred Russel Wallace's nomenclatural proposals from the 'Species Notebook' of 1855–1859. *Bulletin of Zoological Nomenclature* 70: 131–148.
- Costa, J. T. 2013e. Wallace on the evolutionary trail. *Current Biology* 23(24): R1069–R1071.
- Costa, J. T. 2014a. *Wallace, Darwin, and the Origin of Species*. Cambridge, Mass: Harvard University Press, 331 pp.
- Costa, J. T. 2014b. Sailing the backyard *Beagle*: Darwin-inspired voyages of discovery in backyard and schoolyard. pp. 131–146 In: C. Boulter, D. Sanders, and M. Reiss (eds.), *Darwin-Inspired Learning*. Rotterdam and Boston: Sense Publishers.
- Costa, J. T. 2015. The consilient Mr. Wallace. *Skeptic Magazine* 20(3): 16–21.

- Costa, J. T. 2017. *Darwin's Backyard: How Small Experiments Led to a Big Theory*. New York: W. W. Norton, 464 pp.
- Costa, J. T. 2018a. The impish side of evolution's icon. *American Scientist* 106: 104–111.
- Costa, J. T. 2018b. The other insect societies: Overview and new directions. *Current Opinion in Insect Science*. Special Issue on Social Evolution. 28: 40–49.
- Crawford, J. A. 2007. *Desmognathus quadramaculatus* (Black-bellied salamander) predation. *Herpetological Review* 38: 432-433.
- Crawford, J. A. and R. D. Semlitsch. 2007. Estimation of core terrestrial habitat for stream-breeding salamanders and delineation of riparian buffers for protection of biodiversity. *Conservation Biology* 21: 152-158.
- Crawford, J. A. and R. D. Semlitsch. 2008a. Abiotic factors influencing abundance and microhabitat use of stream salamanders in southern Appalachian Forests. *Forest Ecology and Management* 255: 1841-1847.
- Crawford, J. A. and R. D. Semlitsch. 2008b. Post-disturbance effects of even-aged timber harvest on stream salamanders in southern Appalachian forests. *Animal Conservation* 11: 369-376.
- Crespi, E. J., L. J. Rissler, and R. A. Browne. 2003. Testing Pleistocene refugia theory: phylogeographic analysis of *Desmognathus wrighti*, a high-elevation salamander in the southern Appalachians. *Molecular Ecology* 12: 969-984.
- Deonier, D. L. 2002a. Mechanisms of competitive coexistence in the sibling species *Hydrellia bilobifera*. *Contributions on Entomology, International* 5: 3-30.
- Deonier, D. L. 2002b. North American ephydrid habitat types and probable ephydrid inhabitants. *Contributions on Entomology, International* 5: 31-47.
- Derda, G. S. and R. Wyatt. 2000. Isozyme evidence regarding the origins of three allopolyploid species of *Polytrichastrum* (Polytrichaceae, Bryophyta). *Plant Systematics and Evolution* 220: 37-53.
- Derda, G. S. and R. Wyatt. 2003. Genetic variation and population structure in *Polytrichum juniperinum* and *P. strictum* (Polytrichaceae). *Lindbergia* 28: 23-40.
- Diederich, P., D. Ertz, and J. Etaylo. 2010. An enlarged concept of *Llimoniella* (lichenicolous Helatiales), with a revised key to the species and notes on related genera. *The Lichenologist* 42: 253-269.
- Dipple, K. M., G. M. Connette, and R. D. Semlitsch. 2013. Behavior of *Plethodon metcalfi* following anesthetization with Tricaine Methanesulfonate (MS-222). *Herpetological Review* 44: 215–218.

- Doll, J. C., L. Etchison, and D. Owensby. 2020. Population estimate of the State and Federally threatened Spotfin Chub using underwater observations. *North American Journal of Fisheries Management* DOI: 10.1002/nafm.10414.
- Donovan, M. F., R. D. Semlitsch, and E. J. Routman. 2000. Biogeography of the southeastern United States: A comparison of salamander phylogeographic studies. *Evolution* 54: 1449-1456.
- Doty, K. A., D. B. Wilburn, K. E. Bowen, P. W. Feldhoff, and R. C. Feldhoff. 2016. Co-option and evolution of non-olfactory proteinaceous pheromones in a terrestrial lungless salamander. *Journal of Proteomics*, special issue: “omics” in evolutionary ecology, 135: 101-111. doi:10.1016/j.jprot.2015.09.019.
- Eckert, C. G. and C. R. Herlihy. 2004. Using a cost-benefit approach to understand the evolution of self-fertilization in plants: the perplexing case of *Aquilegia canadensis* (Ranunculaceae). *Plant Species Biology* 19: 150-173.
- Eddy, S. L., D. B. Wilburn, A. J. Chouinard, K. A. Doty, K. M. Kiemnec-Tyburchy, and L. D. Houck. 2016. Male terrestrial salamanders demonstrate sequential mate choice based on female gravidity and size. *Animal Behaviour* 113: 23–29.
- Fronzuto, J. and P. Verrell. 2000. Sampling aquatic salamanders: Tests of the efficiency of two funnel traps. *Journal of Herpetology* 34: 146-147.
- Gade, M. R. and W. E. Peterman. 2019. Multiple environmental gradients influence the distribution and abundance of a key forest-health indicator species in the Southern Appalachian Mountains, USA. *Landscape Ecology* 34 (3):569-582; 10.1007/s10980-019-00792-0.
- Gade, M. R., P. R. Gould, and W. E. Peterman. 2019. Habitat-dependent responses of terrestrial salamanders to wildfire in the short-term. *Forest Ecology and Management* 449: 117479.
- Gade, M. R., G. M. Connette, J. A. Crawford, D. J. Hocking, J. C. Maerz, J. M. Milanovich, and W.E. Peterman. 2020. Predicted alteration of terrestrial salamander surface activity as a consequence of climate change. *Ecology*. DOI: 10.1002/ecy.3154.
- Gershman S. N. and P. A. Verrell. 2002. To persuade or be persuaded: Which sex controls mating in a plethodontid salamander? *Behaviour* 139: 447-462.
- Glenn, A. and M. S. Bodri. 2012. Fungal endophyte diversity in *Sarracenia*. *PLoS One* 7(3): e32980.
- Goater, T. M. 2000. The leech *Oligobdella biannulata* (Glossiphoniidae) on desmognathine salamanders: Potential for trypanosome transmission? *America Midland Naturalist* 144: 434-438.
- Grand, L. F. and C. S. Vernia. 2000. Distribution of poroid wood-decay fungi in North Carolina. *Inoculum, Suppl. to Mycologia* 51: 32.

- Grand, L. F. and C. S. Vernia. 2001. New reports and biogeography of poroid wood-decay fungi in North Carolina. *Inoculum, Suppl. to Mycologica* 52: 36.
- Grand, L. F. and C. S. Vernia. 2002. New taxa and hosts of poroid wood-decay fungi in North Carolina. *Castanea* 67: 193-200.
- Grand, L. F. and C. S. Vernia. 2003. Noteworthy collections, North Carolina, *Cryptoporus volvatus* (Peck) Shear. *Castanea* 68: 88-89.
- Grand, L.F. 2004. Diversity and distribution of poroid wood decay fungi in the southern Appalachian Mountains. *Inoculum Supplement to Mycologia* 55(4):14 Abstr.
- Grand, L. F. and C. S. Vernia. 2004a. Biogeography and hosts of wood decay fungi in North Carolina: species of *Ceriporia*, *Ceriporiopsis* and *Perenniporia*. *Mycotaxon* 90: 307-309.
- Grand, L. F. and C. S. Vernia. 2004b. Biogeography and hosts of poroid wood decay fungi in North Carolina species of *Phellinus* and *Schizopora*. *Mycotaxon* 89: 181-184.
- Grand, L. F. and C. S. Vernia. 2005a. Biogeography and hosts of poroid wood decay fungi in North Carolina: Species of *Coltricia*, *Coltriciella* and *Inonotus*. *Mycotaxon* 91: 35-38.
- Grand, L. F. and C. S. Vernia. 2005b. Biogeography and hosts of poroid wood decay fungi in North Carolina: species of *Fomes*, *Fomitopsis*, *Fomitella* and *Ganoderma*. *Mycotaxon* 94: 231-234.
- Grand, L.F. and C.S. Vernia. 2007. Biogeography and hosts of poroid wood decay fungi in North Carolina: species of *Abortiporus*, *Bondarzewia*, *Grifola*, *Heterobasidion*, *Laetiporus* and *Meripilus*. *Mycotaxon* 99: 99-102.
- Grand, L.F. and C.S. Vernia. 2008. Biogeography and hosts of poroid wood decay fungi in North Carolina: species of *Trametes* and *Trichaptum*. *Mycotaxon* 106: 243-246.
- Grand, L. F., C. S. Vernia, and J. Perry. 2004a. Noteworthy collections, North Carolina, *Phylloporia frutica* (Berk. & M.A. Curtis) Ryvardeen. *Castanea* 69: 237-238.
- Grand, L. F., C. S. Vernia, and J. Perry. 2004b. Noteworthy collections, North Carolina, *Phylloporia frutica* (Berk. & M. A. Curtis) Ryvardeen. *Castanea* 69: 237-238.
- Herlihy, C. R. and C. G. Eckert. 2002. Genetic cost of reproductive assurance in a self-fertilizing plant. *Nature* 416: 320-323.
- Herlihy, C. R. and C. G. Eckert. 2004a. Evolution of self-fertilization at geographical range margins? A comparison of demographic, floral and mating system variables in central versus peripheral populations of *Aquilegia canadensis* (Ranunculaceae). *American Journal of Botany* 92: 744-751.



- Herlihy, C. R. and C. G. Eckert. 2004b. Experimental dissection of inbreeding and its adaptive significance in a flowering plant, *Aquilegia canadensis* (Ranunculaceae). *Evolution* 58: 2693-2703.
- Hickerson, C.-A. M, C. D. Anthony, and B. M. Walton. 2017. Eastern Red-backed Salamanders regulate top-down effects in a temperate forest-floor community. *Herpetologica* 73(3): 180–189.
- Himes, S. L. and R. Wyatt. 2004. Costs and benefits of self-fertility in *Asclepias exaltata* (Apocynaceae). *Journal of the Torrey Botanical Society* 132: 24-32.
- Holland, J. N., R. Wyatt, J. L. Bronstein, and J. H. Ness. 2003. Relating the biology of flower-to-fruit survivorship to the ecology and evolution of flower-to-fruit ratios. *Recent Research Developments in Plant Science* 1: 75-84.
- Holt, J. P. 2000. Changes in bird populations on the Highlands Plateau, North Carolina (USA), 1946-1995, with emphasis on Neotropical migrants. *Natural Areas Journal* 20: 119-125.
- Houck, L. D. and Arnold, S. J. 2003. Courtship and mating. In: *Phylogeny and Reproductive Biology of Urodela (Amphibia)*. D. M. Sever, ed. Enfield, New Hampshire: Science Publishers.
- Houck, L. D., C. A. Palmer, R. A. Watts, S. J. Arnold, P. W. Feldhoff, and R. C. Feldhoff. 2007. A new vertebrate courtship pheromone, PMF, affects female receptivity in a terrestrial salamander. *Animal Behaviour* 73: 315-320.
- Houck, L. D., R. A. Watts, S. J. Arnold, K. E. Bowen, K. M. Kiemnec, H. A. Godwin, P. W. Feldhoff and R. C. Feldhoff. 2008. A recombinant courtship pheromone affects sexual receptivity in a plethodontid salamander. *Chemical Senses* 33: 623-631.
- Houck, L. D., R. A. Watts, L. M. Mead, C. A. Palmer, S. J. Arnold, P. W. Feldhoff, and R. C. Feldhoff. 2008. A candidate vertebrate pheromone, SPF, increases receptivity in female salamanders. pp. 213-221 In *Chemical Signals in Vertebrates*, vol. 11. J. Hurst, R. Beynon and D. Muller-Schwarze, eds. New York: Springer-Verlag.
- Ivey, C. T., P. Martinez, and R. Wyatt. 2003. Variation in pollinator effectiveness in swamp milkweed, *Asclepias incarnata* (Apocynaceae). *American Journal of Botany* 90: 214-225.
- Jones, K. S. and D. W. Weisrock. 2018. Genomic data reject the hypothesis of sympatric ecological speciation in a clade of *Desmognathus* salamanders. *Evolution* 72(11): 2378–2393.
- Jones, M. T., S. R. Voss, M. B. Ptacek, D. W. Weisrock, and D. W. Tonkyn. 2006. River drainages and phylogeography: an evolutionary significant lineage of shovel-nosed salamander (*Desmognathus marmoratus*) in the southern Appalachians. *Molecular Phylogenetics and Evolution* 38: 280-287.
- Keiper, J. B., D. L. Deonier, J. Jiannino, M. Sanford, and W. E. Walton. 2002. Biology, immature stages, and redescription of *Hydrellia personata* (Diptera: Ephydriidae), a *Lemna* miner. *Proceedings of the Entomological Society of Washington* 104: 458-467.

- Kerney, R. R., D. C. Blackburn, H. Müller, and J. Hanken. 2012. Do larval traits re-evolve? Evidence from the embryogenesis of a direct-developing salamander, *Plethodon cinereus*. *Evolution* 66: 252-262.
- Kiemnec-Tyburczy, K. M., R. A. Watts, R. G. Gregg, D. von Borstel, and S. J. Arnold. 2009. Evolutionary shifts in courtship pheromone composition revealed by EST analysis of plethodontid salamander mental glands. *Gene* 432: 75-81.
- Kiemnec-Tyburczy, K. M., S. K. Woodley, P. W. Feldhoff, R. C. Feldhoff, and L. D. Houck. 2011. Dermal application of courtship pheromones does not influence receptivity in female red-legged salamanders (*Plethodon shermani*). *Journal of Herpetology* 45: 169-173.
- Kiemnec-Tyburczy, K.M., S.K. Woodley, R.A. Watts, S.J. Arnold, and L.D. Houck. 2012. Expression of vomeronasal receptors and related signaling molecules in the nasal cavity of a caudate amphibian (*Plethodon shermani*). *Chemical Senses* 37(4): 335-346.
- Kozak, K. H. 2003. Sexual isolation and courtship behavior in salamanders of the *Eurycea bislineata* species complex, with comments on the evolution of the mental gland and pheromone delivery behavior in the Plethodontidae. *Southeastern Naturalist* 2: 281-292.
- Kozak, K. H. 2017. What drives variation in plethodontid salamander species richness over space and time? *Herpetologica* 73(3): 220–228.
- Kozak, K. H., R. A. Blaine, and A. Larson. 2006. Gene lineages and eastern North American palaeodrainage basins: phylogeography and speciation in salamanders of the *Eurycea bislineata* species complex. *Molecular Ecology* 15: 191-207.
- Kozak, K. H., A. Larson, R. M. Bonett, and L. J. Harmon. 2005. Phylogenetic analysis of ecomorphological divergence, community structure, and diversification rates in dusky salamanders (Plethodontidae: *Desmognathus*). *Evolution* 59: 2000-2016.
- Kozak, K. H., and R. R. Montanucci. 2001. Genetic variation across a contact zone between montane and lowland forms of the two-lined salamander (*Eurycea bislineata*) species complex: A test of species limits. *Copeia* 2001: 25-34.
- Kozak, K. H., D. W. Weisrock, and A. Larson. 2006. Rapid lineage accumulation in a non-adaptive radiation: phylogenetic analysis of diversification rates in eastern North American woodland salamanders (Plethodontidae: *Plethodon*). *Proceedings of the Royal Society of London (B)* 273: 539-546.
- Krisai-Greilhuber, I., B. Senn-Irlet, and H. Voglmayr. 2002. Notes on *Crepidotus* from Mexico and the southeastern USA. *Persoonia* 17: 515-539.
- Krusche, P., C. Uller, and U. Dicke. 2010. Quantity discrimination in salamanders. *Journal of Experimental Biology* 213: 1822-1828.

- Laberge, F., R. C. Feldhoff, P. W. Feldhoff, and L. D. Houck. 2008. Courtship pheromone-induced c-Fos-like immunolabeling in the female salamander brain. *Neuroscience* 151: 329-339.
- Lamphere, B. A. and M. J. Blum. 2012. Genetic estimates of population structure and dispersal in a benthic stream fish. *Ecology of Freshwater Fish* 21: 75-86.
- Larson, A., D. W. Weisrock, and K. H. Kozak. 2003. Phylogenetic systematics of salamanders (Amphibia: Urodela), a review. pp 31- 108 In: *Phylogeny and Reproductive Biology of Urodela (Amphibia)*. D. M. Sever, ed. Enfield, New Hampshire: Science Publishers.
- Lendemer, J. C. and J. L. Allen. 2019. *Hypotrachyna oprah* (Parmeliaceae, Lichenized Ascomycota), a new foliose lichen with lichexanthone from southeastern North America. *Castanea* 84(1): 24–32.
- Lendemer, J. C., C. R. Anderson Stewart, B. Besal, J. Goldsmith, H. Griffith, J. R. Hoffman, B. Kraus, P. LaPoint, L. Li, Z. Muscavitch, J. Schultz, R. Schultz, and J. L. Allen. 2017. The lichens and allied fungi of Mount Mitchell State Park, North Carolina: A first checklist with comprehensive keys and comparison to historical data. *Castanea* 82: 69–97.
- Lichstein, J. W., J. Dushoff, K. Ogle, A. Chen, D. W. Purves, J. P. Caspersen, and S. W. Pacala. 2010. Unlocking the forest inventory data: relating individual tree performance to unmeasured environmental factors. *Ecological Applications* 20: 684-699.
- Lihoreau, M., T. Gómez-Moracho, C. Pasquaretta, J. T. Costa, and J. Buhl. 2018. Social nutrition: An emerging field in insect science. *Current Opinion in Insect Science*. Special Issue on Social Evolution. 28: 73–80.
- Mabry, M., and P. A. Verrell. 2003. All are one and one is all: Sexual uniformity among widely separated populations of the North American seal salamander, *Desmognathus monticola*. *Biological Journal of the Linnean Society* 78: 1-10.
- Mabry, M., and P. A. Verrell. 2004. Stifled sex in sympatry: patterns of sexual incompatibility among desmognathine salamanders. *Biological Journal of the Linnean Society* 82: 367-375.
- Mackey, M. J., G. W. Connette, and R. D. Semlitsch. 2010. Monitoring of stream salamanders: The utility of two techniques and the influence of stream substrate complexity. *Herpetological Review* 41: 163-166.
- Mackey, M. J., G. M. Connette, W. E. Peterman, and R. D. Semlitsch. 2014. Do golf courses reduce the ecological value of headwater streams for salamanders in the southern Appalachian Mountains? *Landscape and Urban Planning* 125: 17-27.
- Marks, S. B. 2000. Skull development in two plethodontid salamanders (genus *Desmognathus*) with different life histories. pp. 261-276 In: *The Biology of Plethodontid Salamanders*. Bruce, R. C., R. G. Jaeger, and L. D. Houck, eds. New York: Kluwer Academic/Plenum Publishers.

- McCormick, M. A. M. A. Cubeta, and L. F. Grand. 2013. Geography and hosts of the wood decay fungi *Fomes fasciatus* and *Fomes fomentarius* in the United States. *North American Fungi* 8(2): 1-53.
- Mead, L. S. and S. G. Tilley. 2000. Ethological isolation and variation in allozymes and dorsolateral pattern between parapatric forms in the *Desmognathus ochrophaeus* complex. pp. 181-198 *In: The Biology of Plethodontid Salamanders*. Bruce, R. C., R. G. Jaeger, and L. D. Houck, eds. New York: Kluwer Academic/Plenum Publishers.
- Mead, L. S., S. G. Tilley, and L. A. Katz. 2001. Genetic structure of the Blue Ridge dusky salamander (*Desmognathus orestes*): Inferences from allozymes, mitochondrial DNA and behavior. *Evolution* 55: 2287-2302.
- Mead, L. S. and P. A. Verrell. 2002. Evolution of courtship behaviour patterns and reproductive isolation in the *Desmognathus ochrophaeus* complex. *Ethology* 108: 403-427.
- Mendelson, T. C. 2003a. Sexual isolation evolves faster than hybrid inviability in a diverse and sexually dimorphic genus of fish (Percidae: *Etheostoma*). *Evolution* 57: 317-327
- Mendelson, T. C. 2003b. Evidence of intermediate and asymmetrical behavioral isolation between Orangethroat and Orangebelly darters (Teleostei: Percidae). *American Midland Naturalist* 150: 343-347.
- Milne, M. A. and D. A. Waller. 2018. Carnivorous pitcher plants eat a diet of certain spiders, regardless of what's on the menu. *Ecosphere* 9(11): 1–10 [Article e02504].
- Miniat, C. F., P. P. Clinton, and L. K. Everage. 2019. The effects of off-highway vehicle trails and use on stream water quality in the North Fork of the Broad River. *Transactions of the American Society of Agricultural and Biological Engineers* 62(2): 1–10. doi: doi.org/10.13031/trans.13098.
- Morris, J. R., J. T. Costa, and A. Berry. 2015. Adaptations: Using Darwin's *Origin* to teach biology and writing. *Evolution* 69: 2556-2560.
- Nation, T. H. 2007. The influence of flowering dogwood (*Cornus florida*) on land snail diversity in a southern mixed hardwood forest. *American Midland Naturalist* 157: 137-148.
- Pairon, M., B. Petitpierre, M. Campbell, A. Guisan, O. Broennimann, P.V. Baret, A. Jacquemart, and G. Besnard. 2010. Multiple introductions boosted genetic diversity in the invasive range of black cherry (*Prunus serotina*; Rosaceae). *Annals of Botany* 105: 881-890.
- Palmer, C. A. and L. D. Houck. 2004. Responses to sex- and species-specific chemical signals in allopatric and sympatric salamander species. pp. 32-41 *In: Chemical Signals in Vertebrates*, vol. 10. R. T. Mason, M. P. LeMaster, and D. Muller-Schwarze, eds. New York: Kluwer Academic/Plenum Publishers.
- Palmer, C. A., D. M. Hollis, R. A. Watts, L. D. Houck, M. A. McCall, R. G. Gregg, P. W. Feldhoff, R. C. Feldhoff, and S. J. Arnold. 2007. Plethodontid modulating factor, a hypervariable salamander

- courtship pheromone in the three-finger protein superfamily. *FEBS Journal* 274: 2300-2310.
- Palmer, C., R. A. Watts, R. Gregg, M. McCall, L. D. Houck, R. Highton, and S. J. Arnold. 2005. Lineage-specific differences in evolutionary mode in a salamander courtship pheromone. *Molecular Biology and Evolution* 22: 2243-2256.
- Palmer, C., R. A. Watts, L. D. Houck, A. L. Picard, and S. J. Arnold. 2007. Evolutionary replacement of pheromone components in a salamander signaling complex: more evidence for phenotypic-molecular decoupling. *Evolution* 61: 202-215.
- Peterman, W. E., J. A. Crawford, and R. D. Semlitsch. 2011. Effects of even-aged timber harvest on stream salamanders: Support for the evacuation hypothesis. *Forest Ecology and Management* 262: 2344–2353.
- Peterman, W. E. and R. D. Semlitsch. 2006. Effects of tricaine methanesulfonate (MS-222) concentration on anesthetization and recovery in four plethodontid salamanders. *Herpetological Review* 37: 303-304.
- Peterman, W. E. and R. D. Semlitsch. 2009. Efficacy of riparian buffers in mitigating local population declines and the effects of even-aged timber harvest on larval salamanders. *Forest Ecology and Management* 257: 8-14.
- Peterman, W. E., J. A. Crawford, and R. D. Semlitsch. 2007. Productivity and significance of headwater streams: population structure and biomass of the black-bellied salamander (*Desmognathus quadramaculatus*). *Freshwater Biology* 53: 347-357.
- Petitpierre, B., M. Pairon, O. Broennimann, A.L. Jacquemart, A. Guisan, and G. Besnard. 2009. Plastid DNA variation in *Prunus serotina* var. *serotina* (Rosaceae), a North American tree invading Europe. *European Journal of Forest Research* 128: 431-436.
- Poff, J. M. and C. F. Rodell. 2004. Biology of the southeast: a learning community. *Journal of College Science Teaching* 33: 40-44.
- Reinhart, K. O., Royo, A. A., Van der Putten, W. H. and K. Clay. 2005. Soil feedback and pathogen activity in *Prunus serotina* throughout its native range. *Journal of Ecology* 93: 890-898.
- Riddell, E. A. and M. W. Sears. 2015. Geographic variation of resistance to water loss within two species of lungless salamanders: implications for activity. *Ecosphere* 6(5): 1–16.
- Riddell, E. A. and M. W. Sears. 2020. Terrestrial salamanders maintain habitat suitability under climate change despite trade-offs between water loss and gas exchange. *Physiological and Biochemical Zoology* 93(4): 310–319.
- Riddell, E. A., E. K. Apanovitch, J. P. Odom, and M. W. Sears. 2017. Physical calculations of resistance to water loss improve predictions of species range models. *Ecological Monographs*, 87(1): 21–33.

- Riddell, E. A., J. McPhail, J. D. Damm, and M. W. Sears. 2018. Trade-offs between water loss and gas exchange influence habitat suitability of a woodland salamander. *Functional Ecology* 2018: 1–10. DOI: 10.1111/1365-2435.13030.
- Riddell, E. A., J. P. Odom, J. D. Damm, and M. W. Sears. 2018. Plasticity reveals hidden resistance to extinction under climate change in the global hotspot of salamander diversity. *Science Advances* 4: eaar5471.
- Riddell, E. A., E. Y. Roback, C. E. Wells, K. R. Zamudio, and M. W. Sears. 2019. Thermal cues drive plasticity of desiccation resistance in montane salamanders with implications for climate change. *Nature Communications* 10: 4091.
- Robinson J. L. and P. S. Rand. 2005. Discontinuity in fish assemblages across an elevation gradient in a southern Appalachian watershed, USA. *Ecology of Freshwater Fish* 14: 14-23.
- Rollmann, S. M., L. D. Houck, and R. C. Feldhoff. 2003. Conspecific and heterospecific pheromone effects on female receptivity. *Animal Behaviour* 66: 857-861.
- Rose, C. S. 2002. The developmental morphology of salamander skulls. pp. 1686-173 *In: Amphibian Biology, vol. 5: Osteology*. H. Heatwole and M. Davies, eds. Chipping Norton, Australia: Amphibian Surrey Beatty and Sons.
- Roth, G. and D. B. Wake. 2004. The structure of the brainstem and cervical spinal cord in lungless salamanders (family Plethodontidae) and its relation to feeding. *Journal of Comparative Neurology* 241: 99-110.
- Rovito, S. M. 2017. The geography of speciation in Neotropical salamanders. *Herpetologica* 73(3): 229–241.
- Sato, S. and J. Yukawa. 2001. Absence record of *Fagus* gall midges (Diptera: Cecidomyiidae) on Ulleung Island, Korea and in North America. *Esakia* 41: 17-25.
- Schubert, S. N., L. D. Houck, P. W. Feldhoff, R. C. Feldhoff, and S. K. Woodley. 2006. Effects of androgens on behavioral and vomeronasal responses to chemosensory cues in male terrestrial salamanders (*Plethodon shermani*). *Hormones and Behavior* 50: 469-476.
- Schubert, S. N., L. D. Houck, P. W. Feldhoff, R. C. Feldhoff, and S. K. Woodley. 2008. The effects of sex and female reproductive condition on chemosensory communication in a terrestrial salamander (*Plethodon shermani*). *Hormones and Behavior* 54: 270-277.
- Schubert, S. N., C. L. Wack, L. D. Houck, P. W. Feldhoff, R. C. Feldhoff, and S. K. Woodley. 2009. Exposure to pheromones increases plasma corticosterone concentrations in a terrestrial salamander. *General and Comparative Endocrinology* 161: 271-275.

- Sears, M. W., E. A. Riddell, T. W. Rusch, and M. J. Angilletta Jr. 2019. The world still is not flat: Lessons learned from organismal interactions with environmental heterogeneity in terrestrial environments. *Integrative and Comparative Biology* 59: 1049–1058.
- Semlitsch, R. D. 2000a. Size does matter: The value of small isolated wetlands. *Conservation Biology* 14: 5-13.
- Semlitsch, R. D. 2000b. Principles for management of aquatic-breeding amphibians. *Journal of Wildlife Management* 64: 615-631.
- Semlitsch, R.D., S. Ecrement, A. Fuller, K. Hammer, J. Howard, C. Krager, J. Mozeley, J. Ogle, N. Shipman, J. Speier, M. Walker, and B. Walters. 2012. Natural and anthropogenic substrates affect movement behavior of the Southern Graycheek Salamander (*Plethodon metcalfi*). *Canadian Journal of Zoology* 90: 1128-1135.
- Semlitsch, R. D., T. J. Ryan, K. Hamed, M. Chatfield, B. Drehman, N. Pekarek, M. Spath, and A. Watland. 2007. Salamander abundance along road edges and within abandoned logging roads in Appalachian forests. *Conservation Biology* 21: 159-167.
- Semlitsch, R. D., B. D. Todd, S. M. Blomquist, A. J. K. Calhoun, J. W. Gibbons, J. P. Gibbs, G. J. Graeter, E. B. Harper, J. Hocking, M. L. Hunter, Jr., D. A. Patrick, T. A. G. Rittenhouse, B. B. Rothermel. 2009. Effects of timber harvest on amphibian populations: Understanding mechanisms from forest experiments. *Bioscience* 59: 853-862.
- Servick, S. V., P. S. Soltis, and D. E. Soltis. 2011. Microsatellite marker development for *Galax urceolata* (Diapensiaceae). *American Journal of Botany* 98: 48-50.
- Shure, D. J., D. L. Phillips, and P. E. Bostick. 2006. Gap size and succession in cutover southern Appalachian forests: an 18-year study of vegetation dynamics. *Plant Ecology* 185: 299-318.
- Simkin, S. M., W. K. Michener, and R. Wyatt. 2001. Soil disturbance elicits resprouting response in a fire-maintained ecosystem. *Journal of the Torrey Botanical Society* 128: 208-218.
- Sinn, B. T., L. M. Kelly, and J. V. Freudenstein. 2015a. Putative floral brood-site mimicry, loss of autonomous selfing, and reduced vegetative growth are significantly correlated with increased diversification in *Asarum* (Aristolochiaceae). *Molecular Phylogenetics and Evolution* 89: 194-204.
- Sinn, B. T., L. M. Kelly, and J. V. Freudenstein. 2015b. Phylogenetic relationships in *Asarum* (Aristolochiaceae): effect of data partitioning and a revised classification. *American Journal of Botany* 102(5): 765–779.
- Sipe, T. W. and R. A. Browne. 2004. Intra-specific phylogeography of the masked shrew (*Sorex cinereus*) and smoky shrews (*S. fumeus*) in the southern Appalachians. *Journal of Mammalogy* 84: 161-175.
- Surasinghe, T. D. and R. F. Baldwin. 2015. Importance of riparian forest buffers in conservation of stream biodiversity: Responses to land uses by stream-associated salamanders across two southeastern temperate ecoregions. *Journal of Herpetology* 49(1): 83–94.

- Tilley, S. G. 2000a. *Desmognathus santeetlah*. *Catalog of American Amphibians and Reptiles* 703: 1-3.
- Tilley, S. G. 2000b. Systematics of *Desmognathus imitator*. pp. 121-147 In: *The Biology of Plethodontid Salamanders*. Bruce, R. C., R. G. Jaeger, and L. D. Houck, eds. New York: Kluwer Academic/Plenum Publishers.
- Tilley, S. G. and J. E. Huheey. 2001. *Reptiles and Amphibians of the Smokies*. Gatlinburg, TN: Great Smoky Mountains Natural History Association.
- Tilley, S. G., J. Bernardo, L. A. Katz, L. López, J. D. Roll, R. L. Eriksen, J. Kratovil, N. K. J. Bittner, and K. A. Crandall. 2013. Failed species, innominate forms, and the vain search for species limits: cryptic diversity in dusky salamanders (*Desmognathus*) of eastern Tennessee. *Ecology and Evolution* 3(8): 2547-2567.
- Tran, T. and Elliott, K. 2012. Estimating *Rhododendron maximum* L. (Ericaceae) canopy cover using GPS/GIS technology. *Castanea* 77(4): 303-317.
- Vaccaro E. A., P. W. Feldhoff, R. C. Feldhoff, and L. D. Houck. 2009. Male Courtship pheromones suppress female tendency to feed but not to flee in a plethodontid salamander. *Animal Behavior* 78: 1421-1425.
- Vaccaro, E. A., P. W. Feldhoff, R. C. Feldhoff, L. D. Houck. 2010. A pheromone mechanism for swaying female mate choice: enhanced affinity for a sexual stimulus in a woodland salamander. *Animal Behaviour* 80: 983-989.
- Veach, A. M., C. E. Stokes, J. Knoepp, A. Jumpponen, & R. Baird. 2018. Fungal communities and functional guilds shift along an elevational gradient in the southern Appalachian mountains. *Microbial Ecology* 76: 156–168.
- Vernia, C. S., and L. F. Grand. 2000. Polypores of a North Carolina piedmont forest. *Mycotaxon* 74: 153-159.
- Verrell, P. 2000. Methoxychlor increases susceptibility to predation in the salamander *Ambystoma macrodactylum*. *Bulletin of Environmental Contamination and Toxicology* 64: 85-92.
- Verrell, P. 2003. Population and species divergence of chemical cues that influence male recognition of females in desmognathine salamanders. *Ethology* 109: 577-586.
- Verrell, P. and M. Mabry. 2000. The courtship of plethodontid salamanders. pp. 371-380 In: *The Biology of Plethodontid Salamanders*. R. C. Bruce, R. G. Jaeger, and L. D. Houck, eds. New York: Kluwer Academic/Plenum Publishers.
- Verrell, P. and M. Mabry. 2003. Sexual behaviour of the Black Mountain dusky salamander, *Desmognathus welteri*, and the evolutionary history of courtship in the Desmognathinae. *Journal of Zoology* 260: 367-376.



- Viviani, V. R., J. W. Hastings, and T. Wilson. 2002. Two bioluminescent Diptera: The North American *Orfelia fultoni* and the Australian *Arachnocampa flava*: Similar niche, different bioluminescence systems. *Photochemistry and Photobiology* 75: 22-27.
- Viviani, V. R., D. T. Amaral, V. R. Bevilaquab, and R. L. Falaschi. 2018. *Orfelia*-type luciferin and its associated storage protein in the non-luminescent cave worm *Neoditomyia* sp. (Diptera: Keroplatidae) from the Atlantic rainforest: Biological and evolutionary implications. *Photochemical and Photobiological Sciences* 17: 1282–1288.
- Wack, C. L., M. B. Lovern, and S. K. Woodley. 2010. Transdermal delivery of corticosterone in terrestrial amphibians. *General and Comparative Endocrinology* 169: 269-275.
- Wack, C.L., DuRant, S.E., Hopkins, W.A., Lovern, M.B., Feldhoff, R.C. and Woodley, S.K. (2012). Elevated plasma corticosterone increases metabolic rate in a terrestrial salamander. *Comparative Biochemistry & Physiology A: Molecular & Integrative Physiology*. 161(2):153-158.
- Wake, D. B. 2017. Persistent plethodontid themes: Species, phylogenies, and biogeography. *Herpetologica* 73(3): 242–251.
- Warren, R. J. II. 2016. Ghosts of cultivation past - Native American dispersal legacy persists in tree distribution. *PLoS One* doi: 10.1371/journal.pone.0150707.
- Warren, R. J. II and L. Chick. 2013. Upward ant distribution shift corresponds with minimum, not maximum, temperature tolerance. *Global Change Biology* 19: 2082-2088.
- Warren II, R. J., A. McMillan, J. R. King, L. Chick, and M. A. Bradford. 2015. Forest invader replaces predation but not dispersal services by a keystone species. *Biological Invasions* DOI 10.1007/s10530-015-0942-z.
- Warren, R.J. II, L. D. Chick, B. DeMarco, A. McMillan, V. DeStefano, R. Gibson and P. Pinzone. 2016. Climate-driven range shift prompts species replacement. *Insectes Sociaux* DOI 10.1007/s00040-016-0504-0.
- Watts, R. A., C. A. Palmer, R. C. Feldhoff, P. W. Feldhoff, L. D. Houck, A. G. Jones, M. E. Pfrender, S. M. Rollmann, and S. J. Arnold. 2004. Stabilizing selection on behavior and morphology masks positive selection on the signal in a salamander pheromone signaling complex. *Molecular Biology and Evolution* 21: 1032-1041.
- Weaver, N. and K. Barrett. 2018. In-stream habitat predicts salamander occupancy and abundance better than landscape-scale factors within exurban watersheds in a global diversity hotspot. *Urban Ecosystems* 21: 97–105.
- Weaver, N., K. Barrett, and D. L. Hagan. 2017. The influence of exurban landscapes and local site characteristics on riparian vegetation. *Urban Ecosystems* 20: 1141–1150.

- Wilburn, D. B. and W. J. Swanson. 2015. From molecules to mating: Rapid evolution and biochemical studies of reproductive proteins. *Journal of Proteomics* doi: 10.1016/j.jprot.2015.06.007.
- Wilburn, D. and W. J. Swanson. 2016. The “ZP domain” is not one, but likely two independent domains. *Molecular Reproduction and Development* doi: 10.1002/mrd.22781.
- Wilburn, D. B., K. E. Bowen, R. G. Gregg, J. Cai, P. W. Feldhoff, L. D. Houck, and R. C. Feldhoff. 2011. Proteomic and UTR analyses of a rapidly evolving hypervariable family of vertebrate pheromones. *Evolution* 66(7): 2227–2239.
- Wilburn, D. B., K. E. Bowen, P. W. Feldhoff, and R. C. Feldhoff. 2014. Proteomic analyses of courtship pheromones in the Redback salamander, *Plethodon cinereus*. *Journal of Chemical Ecology* 40(8): 928–939.
- Wilburn, D. B., S. J. Arnold, L. D. Houck, P. W. Feldhoff, and R. C. Feldhoff. 2017. Gene duplication, co-option, structural evolution, and phenotypic tango in the courtship pheromones of plethodontid salamanders. *Herpetologica* 73(3): 206–219.
- Wilburn, D. B., K. E. Bowen, K. A. Doty, S. Arumugam, A. N. Lane, P. W. Feldhoff, and R. C. Feldhoff. 2014. Structural insights into the evolution of a sexy protein: Novel topology and restricted backbone flexibility in a hypervariable pheromone from the Red-legged Salamander, *Plethodon shermani*. *PLoS One* 9(5): e96975.
- Wilburn, D. B., K. A. Doty, A. J. Chouinard, S. L. Eddy, S. K. Woodley, L. D. Houck, and R. C. Feldhoff. 2017. Olfactory effects of a hypervariable multicomponent pheromone in the red-legged salamander, *Plethodon shermani*. *PLoS One* 12(3): e0174370
- Wilburn, D. B., S. L. Eddy, A. J. Chouinard, S. J. Arnold, R. C. Feldhoff, and L. D. Houck. 2015. Pheromone isoform composition differentially affects female behavior in the red-legged salamander, *Plethodon shermani*. *Animal Behaviour* 100: 1–7.
- Wirsig-Wiechmann, C. R., L. D. Houck, P. W. Feldhoff, and R. C. Feldhoff. 2002. Pheromonal activation of vomeronasal neurons in plethodontid salamanders. *Brain Research* 952: 335–344.
- Wirsig-Wiechmann, C. R., L. D. Houck, J. M. Wood, P. W. Feldhoff, and R. C. Feldhoff. 2006. Male pheromone protein components activate female vomeronasal neurons in the salamander *Plethodon shermani*. *BMC Neuroscience* 7: 26.
- Woodley, S. K. 2007. Sex steroid hormones and sexual dimorphism of chemosensory structures in a terrestrial salamander (*Plethodon shermani*). *Brain Research* 1138: 95–103.
- Woodley, S. K. 2017. Life in the slow lane: Stress responses in plethodontid salamanders. *Herpetologica* 73(3): 259–268.
- Woodley, S. K., J. T. Costa, and R. C. Bruce. 2017. Introduction to the Special Highlands Conference on Plethodontid Salamander Biology. *Herpetologica* 73(3): 177–179.

- Workman, S.W., B. Barlow, J. Fike. 2017. Southeast and Caribbean Regional Summary. pp. 189-202 In: Schoeneberger M.M., Bentrup G., Patel-Weynand T. (eds) 2017. Agroforestry: Enhancing Resiliency in U.S. Agricultural Landscapes under Changing Conditions. Gen Tech Rep WO-96. USDA-FS, Washington DC.
- Wyatt, R. 2002. Unique Georgia environments: Granite outcrops. [online] In: *The New Georgia Encyclopedia*. J. C. Enscoe, ed. Athens, Georgia: University of Georgia Press.
- Wyatt, R., S. B. Broyles, and S. L. Lipow. 2000. Pollen-ovule ratios in milkweeds (Asclepiadaceae): An exception that probes the rule. *Systematic Botany* 25: 171-180.
- Zomlefer, W. B., N. H. Williams, W. M. Whitten, and W. S. Judd. 2001. Genetic circumscription and relationships in the tribe Melanthieae (Liliales, Melanthiaceae), with emphasis on *Zigadenus*: Evidence from ITS and *trnL-F* sequence data. *American Journal of Botany* 88: 1657-1669.