**CREATIVE ACTIVITIES**

**November 2015**

**PUBLICATIONS:**

1. DuRant, S.E., Hopkins, W.A., Davis, A.K., Romero, L.M. 2015. Evidence of ectoparasite-induced endocrine disruption in an imperiled giant salamander, the eastern hellbender (*Cryptobranchus alleganiensis*). *Journal of Experimental* *Biology*, 218, 2297-2304.
2. Gustafson, K. D., and M. G. Bolek. 2015. Effects of trematode parasitism on the shell morphology of snails from flow and non-flow environments. Journal of Morphology 277: DOI: 10.1002/jmor.20497
3. Hepp, GR**,** SE DuRant, and **WA Hopkins**. 2015. Influence of incubation temperature on offspring phenotype and fitness in birds.  In: *Nests, Eggs, and Incubation: Incubating New Ideas about Avian Reproduction*, D.C. Deeming and S.J. Reynolds (eds), pp171-178. Oxford University Press.
4. Lattin, C.R., DuRant, S.E., Romero, L.M. 2015. Wounding alters blood chemistry parameters and skin mineralcorticoid receptors in house sparrows (Passer domesticus). *Journal of Experimental Zoology A: Ecological Genetics and Physiology*, 323, 322-330*.*
5. Prounis GS, Foley L, Rehman A, Ophir AG (2015) Perinatal and juvenile social environments interact to shape cognitive behavior and neural phenotype in prairie voles. *Proceeding of the Royal Society B*. 282, DOI: 10.1098/rspb.2015.2236.

**PROFESSIONAL MEETING PRESENTATIONS:**

1. Agan, J.W., Naylor. M.F., Love, A.C. 13 November 2015. Impact of Social Structure on Pair Bonding in Avian Species. Oklahoma Academy of Science Technical Meeting. Oklahoma City University, Oklahoma City, Ok.
2. Belden, Jason; Morrison, Shane; Oiler, Jonathon; Rosen, Gunther; George, Robert; Lotufo, Guilerme. Optimization of Integrative Passive Sampling Approaches for Munitions Constituents. Poster Presentation. SETAC North America 36th Annual Meeting, Salt Lake City, Utah, November 2015.

### Bolek, M. G. November 20th, 2015. Opening a new can of worms: using non-model trematode systems to evaluate the evolution of complex life cycles of parasites. Center for Evolutionary and Theoretical Immunology, Department of Biology, University of New Mexico, Albuquerque, New Mexico.

1. Bried J. 2015. Ecological residency state influences community analysis and applications. Invited seminar. Department of Natural Sciences, Northeastern State University, Tahlequah, Oklahoma, 18 November.
2. Bried J, Jog S. 2015. Does visibly intact mean biologically intact and vice versa? 32nd Natural Areas Conference, Little Rock, Arkansas, 2-5 November.
3. Cusaac, Patrick; Mimbs, William; Morrison, Shane; Belden, Jason; Smith, Loren; McMurry, Scott. Toxicity of Pyraclostrobin Fungicides to Terrestrial Amphibians. Oral Presentation. SETAC North America 36th Annual Meeting, Salt Lake City, Utah, November 2015.
4. Echelle, A. A. 21 Nov. Molecular Assessment of Nonnative Status for Largespring Gambusia (*Gambusia geiseri*)in West Texas:  Conservation Value of Nonnative Populations. Desert Fishes Council, Death Valley, California.
5. Forshee II, J.L., and French, DP.P. November 12, 2015. Creating an Authentic Research Experience in a General Biology Lab: Publishing in the Journal of Introductory Biology Investigations. National Association of Biology Teachers. Providence, Rhode Island.
6. Forshee II, J. L., Fortenberry, C., and French, D.P. November 12, 2015. How prepared are first year-college students to learn about cellular respiration in introductory biology? National Association of Biology Teachers. Providence, Rhode Island.
7. French, D. P., J. Stewart, and M. E. Moore. November 14, 2015. Moving Students Toward Authentic Research – Building an Extended-inquiry First-Year Laboratory that Emphasizes Mentoring, Feedback, and Authoring. NABT Professional Development Conference, Providence, RI.
8. Hileman, S.T. 3 November 2014 Potential for polycyclic aromatic hydrocarbon accumulation in soil receiving rooftop runoff. North American SETAC. Salt Lake City, UT.
9. Jog S, Bried J. 2015. Floristic quality versus taxonomic distinctness for grassland and wetland condition assessments. 32nd Natural Areas Conference, Little Rock, Arkansas, 2-5 November.
10. Judkins, M.E., Van Den Bussche, R.A., Couger, M.B., & Warren, W.S. (7 November 2015) Genomic resources for the management and development of conservation units for bald eagles. Raptor Research Foundation’s Conference. Sacramento, CA.
11. Judkins, M.E. (12, 17 November 2015) A perspective on the life and conservation of golden eagles. Science Café. OSU and Stillwater Library. Stillwater, OK.
12. Mimbs IV WH, Cusaac JPW, McMurry ST, Belden JB. Dermal Uptake of Organic Contaminants by Amphibians Based on Location of Exposure and Hydrophobicity of Contaminant. Poster Presentation, Society of Environmental Toxicology and Chemistry 36th Annual Meeting, Salt Lake City, UT; 4 November, 2014.
13. Minghetti, M. and Schirmer, K., November 2, 2015. Interference of silver nanoparticles with essential metal homeostasis in a multi-cellular fish in vitro system. SETAC North America 36th Annual Meeting. Salt Lake City, Utah.
14. Minghetti, M., Panagiotakis,M., Geppert, M., and Schirmer, K. November 4, 2015. Toxicity, intracellular accumulation and transport of uncoated and fluorescently conjugated TiO2-NPs in the intestinal fish cell line, RTgutGC. SETAC North America 36th Annual Meeting. Salt Lake City, Utah.
15. Moore, M. E., D. P. French, and R. E. Davis. November 12, 2015. Is Active Student Participation in the Flipped Biology Classroom an Accurate Predictor of Performance? NABT professional development conference. Providence, RI
16. Moore, M. E., J. L. Forshee and C. Mishra. November 13, 2015. CV and Mentoring Workshop for the Graduate Student Committee of NABT. NABT professional development conference. Providence, RI
17. Morrison, Shane and Jason Belden. Integrative Passive Sampling for Quantitatively Estimating Pulsed Pesticide Exposures in Aquatic Systems. Oral Presentation. SETAC North America 36th Annual Meeting, Salt Lake City, Utah, November 2015.
18. Morrison, Shane, Barney Luttbeg, and Jason Belden. Comparisons of Discrete and Integrative Sampling for Quantitation of Pulsed Exposures in Aquatic Systems. Poster Presentation. SETAC North America 36th Annual Meeting, Salt Lake City, Utah, November 2015.
19. Morrison, Shane and Jason Belden. Development of *Helisoma trivolvis* pond snails as biomonitoring tools for current-use pesticides. Poster Presentation. SETAC North America 36th Annual Meeting, Salt Lake City, Utah, November 2015.
20. Papeş, M. Investigating species’ distributions with ecological niche models and geographic information systems. 13 November 2015. Departmental seminar. School of Integrative Plant Science, Cornell University, Ithaca, NY, USA
21. Schmidt, L., Goodchild, C.G., DuRant, S.E., Does personality influence how snails respond to predator cues? Karen L. Smith Undergraduate Research Symposium, Oklahoma State University, Dec 2015.
22. Shaw J. The Role of Angiogenic Factors in the Development of Atherosclerosis During *C. pneumoniae* Infection. Invited guest lecture (HHP 6020, Research Colloquium). November 13, 2015.
23. Shaw J. Careers in Science: The Biotechnology Industry. Invited guest lecture (MICR 4001, Transitions in Microbiology). November 16, 2015.
24. Simpson, A.M. November 4, 2015. Mechanisms of insecticide tolerance in resurrected *Daphnia pulicaria* genotypes. Society of Environmental Toxicology and Chemistry - National Meeting. Salt Lake City, UT.
25. Stephens, C. E., M. E. Moore, and D. P. French. November 12, 2015. Relationship between instructional strategies and student focus in a flipped, introductory-biology classroom (talk). NABT Professional Development Conference, Providence, RI.
26. Stephens, C. E., M. E. Moore, and D. P. French. November 12, 2015. Relationship between instructional strategies and student focus in a flipped, introductory-biology classroom (poster). NABT Professional Development Conference, Providence, RI.
27. Towner, M.C., M.K. Shenk, and A. Marbourg. November 18, 2015.An Evolutionary Anthropological Analysis of Land Inheritance in Rural Bangladesh. 114th Annual Meeting of the American Anthropological Association. Denver, CO.
28. Vazquez, A.A. November 5, 2015. Copper toxicity to lateral lines in Great Plains toad and Southern leopard frog tadpoles. SETAC National Conference. Salt Lake City, UT
29. Williams, C, M. Bolek, B. Hanelt. Nov. 18, 2015. Observations on the life history of *Gordius* cf. *Robustus* (Nematomorpha: Gordiida) from Oklahoma. Is this the first documented semi-terrestrial hairworm life cycle? Lunchtime Seminar. Oklahoma State University, Stillwater, OK.

**GRANTS RECEIVED:**

1. Dzialowski, A.R. S.H. Stoodley, N. Torbick, and D.E. Storm. Development of water quality models for reservoirs in the Grand Lake, OK watershed using remotely sensed satellite imagery.  Grand River Dam Authority (Sub-contract through University of Oklahoma).  $112,204. January 1, 2015 – December 31, 2016.
2. Loader, S.P., D. Gower, M. Menegon, and F. Gebresenbet Erda. Isolated Eden or Travellers Rest? Evolutionary history of the forests of Gura Ferda. National Geographic Society, $18,800.
3. Long, J. and M. Papes. Determining the distribution of state-endangered Longnose Darter through niche model transferability. ODWC, 2016-2018, $90,000.
4. Santoyo-Brito, E., S. Fox, and H. Núñez. *Liolaemus* lizard species as storytellers on the effects of climate change in temperate South America. Delta Foundation, $10,350
5. Tobler M, Shaw J, Kelley J. Physiological Adaptation to Extreme Environments: Genes, Function, and Evolutionary Patterns. NSF IOS, Integrative Ecological Physiology. Mar 2016 – Mar 2018 (Total award: $808,005; Shaw Role: Co-PI, $150,765).

**AWARDS RECEIVED:**

1. Judkins, M.E.(November 2015) Zogss Travel Award. Zoology Graduate Student Society. $250.
2. Hileman, S.T. Interdisciplinary Toxicology Program Graduate Fellowship.
3. Hileman, S.T. Student Travel Award: National SETAC.
4. Moore, M.E. Third place. Is Active Student Participation in the Flipped Biology Classroom an Accurate Predictor of Performance? November 12, 2015. Scholarship of Teaching and Learning Poster Competition. NABT professional development conference. Providence, RI.
5. Morrison, S.A. – Travel support for National SETAC Meeting from the Interdisciplinary Toxicology Program.
6. Perryman, D. C. 11/18/15. Travel Award for the Emerging Researchers National Conference in STEM, Washington, D.C., February 25-27.
7. Simpson, A.M. Interdisciplinary Toxicology Fellowship.
8. Stephens, C. E., M. E. Moore, and D. P. French. First place. November 12, 2015. Relationship between instructional strategies and student focus in a flipped, introductory-biology classroom. NABT Professional Development Conference, Providence, RI.

**DEFENSES:**

1. McCoshum, Shaun. November 11, 2015. Successfully defended Ph.D. dissertation entitled: Effects and association of the production of the biofuel crop *Brassica napus* on wild invertebrate pollinator communities in the South Central United States