

University of Georgia
INTERDISCIPLINARY TOXICOLOGY FACULTY PUBLICATIONS
2016 - 2017

Robert Arnold:

1. Effect of aminocaproic acid on clot strength and clot lysis of canine blood determined by use of an in vitro model of hyperfibrinolysis. Brown JC, Brainard BM, Fletcher DJ, Nie B, Arnold RD, Schmiedt CW. *Am J Vet Res.* 2016 Nov;77(11):1258-1265. PMID: 27805439
2. Pharmacokinetic and pharmacodynamic evaluation of oral rivaroxaban in healthy adult cats.
Dixon-Jimenez AC, Brainard BM, Brooks MB, Nie B, Arnold RD, Loper D, Abrams JC, Rapoport GS.
J Vet Emerg Crit Care (San Antonio). 2016 Sep;26(5):619-29. doi: 10.1111/vec.12524. Epub 2016 Sep 6. PMID: 27599304

Michael Bartlett

1. Simultaneous determination of cis-permethrin and trans-permethrin in rat plasma and brain tissue using gas chromatography-negative chemical ionization mass spectrometry. Hooshfar S, Gullick DR, Linzey MR, Mortuza T, Abdel Rahman MH, Rogers CA, Bruckner JV, White CA, Bartlett MG. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2017 Jun 13;1060:291-299.
doi: 10.1016/j.jchromb.2017.06.019. [Epub ahead of print] PMID: 28651172
2. Chlorpyrifos and chlorpyrifos oxon impair the transport of membrane bound organelles in rat cortical axons. Gao J, Naughton SX, Beck WD, Hernandez CM, Wu G, Wei Z, Yang X, Bartlett MG, Terry AV Jr. *Neurotoxicology.* 2017 Jun 12;62:111-123. doi: 10.1016/j.neuro.2017.06.003. [Epub ahead of print] PMID: 28600141

Marsha Black

1. Effects of multiwalled carbon nanotubes on the bioavailability and toxicity of diphenhydramine to *Pimephales promelas* in sediment exposures. Myer MH, Henderson WM, Black MC.
Environ Toxicol Chem. 2017 Feb;36(2):320-328. doi: 10.1002/etc.3561. Epub 2016 Sep 2. PMID: 27442616

Robert Bringolf:

1. Tissue Contaminant Burdens in San Francisco Estuary White Sturgeon (*Acipenser transmontanus*): Implications for Population Recovery. Gundersen DT, Zeug SC, Bringolf RB, Merz J, Jackson Z, Webb MAH. *Arch Environ Contam Toxicol.* 2017 May 20. doi: 10.1007/s00244-017-0378-9. [Epub ahead of print] PMID: 28528414
2. Heavy metal bioaccumulation in two passerines with differing migration strategies. Cooper Z, Bringolf R, Cooper R, Loftis K, Bryan AL, Martin JA. *Sci Total Environ.* 2017 Aug 15;592:25-32. doi: 10.1016/j.scitotenv.2017.03.055. Epub 2017 Mar 12. PMID: 28292671

University of Georgia
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2016 - 2017

3. Accumulation of coal combustion residues and their immunological effects in the yellow-bellied slider (*Trachemys scripta scripta*). Haskins DL, Hamilton MT, Jones AL, Finger JW Jr, Bringolf RB, Tuberville TD. *Environ Pollut*. 2017 May;224:810-819. doi: 10.1016/j.envpol.2017.01.048. Epub 2017 Mar 8. PMID: 28284546
4. Changing agricultural practices: potential consequences to aquatic organisms. Lasier PJ, Urich ML, Hassan SM, Jacobs WN, Bringolf RB, Owens KM. *Environ Monit Assess*. 2016 Dec;188(12):672. Epub 2016 Nov 15. PMID: 27848110
5. 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*. Leonard JA, Cope WG, Hammer EJ, Barnhart MC, Bringolf RB. *Comp Biochem Physiol C Toxicol Pharmacol*. 2017 Jan;191:14-25. doi: 10.1016/j.cbpc.2016.09.002. Epub 2016 Sep 6. PMID: 27612666
6. Possible Role of Fish and Frogs as Paratenic Hosts of *Dracunculus medinensis*, Chad. Eberhard ML, Yabsley MJ, Zirimwabagabo H, Bishop H, Cleveland CA, Maerz JC, Bringolf R, Ruiz-Tiben E. *Emerg Infect Dis*. 2016 Aug;22(8):1428-30. doi: 10.3201/eid2208.160043. PMID: 27434418

James Bruckner:

1. Simultaneous determination of cis-permethrin and trans-permethrin in rat plasma and brain tissue using gas chromatography-negative chemical ionization mass spectrometry. Hooshfar S, Gullick DR, Linzey MR, Mortuza T, Abdel Rahman MH, Rogers CA, Bruckner JV, White CA, Bartlett MG. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2017 Jun 13;1060:291-299. doi: 10.1016/j.jchromb.2017.06.019. [Epub ahead of print] PMID: 28651172
2. Brain uptake of deltamethrin in rats as a function of plasma protein binding and blood-brain barrier maturation. Amaraneni M, Pang J, Mortuza TB, Muralidhara S, Cummings BS, White CA, Vorhees CV, Zastre J, Bruckner JV. *Neurotoxicology*. 2017 May 8;62:24-29. doi: 10.1016/j.neuro.2017.04.009. [Epub ahead of print] PMID: 28495520
3. Influence of Maturation on in Vivo Tissue to Plasma Partition Coefficients for Cis- and Trans-Permethrin. Amaraneni M, Pang J, Bruckner JV, Muralidhara S, Mortuza TB, Gullick D, Hooshfar S, White CA, Cummings BS. *J Pharm Sci*. 2017 Apr 23. pii: S0022-3549(17)30258-7. doi: 10.1016/j.xphs.2017.04.024. [Epub ahead of print] PMID: 28445697

Brian Cummings:

1. Brain uptake of deltamethrin in rats as a function of plasma protein binding and blood-brain barrier maturation. Amaraneni M, Pang J, Mortuza TB, Muralidhara S, Cummings BS,

University of Georgia
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White CA, Vorhees CV, Zastre J, Bruckner JV. Neurotoxicology. 2017 May 8;62:24-29. doi: 10.1016/j.neuro.2017.04.009. [Epub ahead of print] PMID: 28495520

2. Influence of Maturation on in Vivo Tissue to Plasma Partition Coefficients for Cis- and Trans-Permethrin. Amaraneni M, Pang J, Bruckner JV, Muralidhara S, Mortuza TB, Gullick D, Hooshfar S, White CA, Cummings BS. J Pharm Sci. 2017 Apr 23. pii: S0022-3549(17)30258-7. doi: 10.1016/j.xphs.2017.04.024. [Epub ahead of print] PMID: 28445697

Shanta Dhar

1. Radiobiology and the Renewed Potential for Nanoparticles. Marples B, Dhar S. Int J Radiat Oncol Biol Phys. 2017 Jul 1;98(3):489-491. doi: 10.1016/j.ijrobp.2017.03.015. No abstract available.
PMID: 28581384
2. A Prodrug of Two Approved Drugs, Cisplatin and Chlorambucil, for Chemo War Against Cancer.
Pathak RK, Wen R, Kolishetti N, Dhar S. Mol Cancer Ther. 2017 Apr;16(4):625-636. doi: 10.1158/1535-7163.MCT-16-0445. Epub 2017 Feb 1. PMID: 28148716
3. Mito-magneto: a tool for nanoparticle mediated mitochondria isolation. Banik B, Askins BW, Dhar S. Nanoscale. 2016 Dec 1;8(47):19581-19591. PMID: 27735003

Lisa Donovan:

1. Importance of whole-plant biomass allocation and reproductive timing to habitat differentiation across the North American sunflowers. Mason CM, Goolsby EW, Davis KE, Bullock DV, Donovan LA. Ann Bot. 2017 May 1;119(7):1131-1142. doi: 10.1093/aob/mcx002. PMID: 28203721
2. Evidence of correlated evolution and adaptive differentiation of stem and leaf functional traits in the herbaceous genus, Helianthus. Pilote AJ, Donovan LA. Am J Bot. 2016 Dec;103(12):2096-2104. doi: 10.3732/ajb.1600314. Epub 2016 Dec 13. PMID: 27965237

Nikolay Filipov:

1. Metabolomics of fescue toxicosis in grazing beef steers. Mote RS, Hill NS, Uppal K, Tran VT, Jones DP, Filipov NM. Food Chem Toxicol. 2017 Jul;105:285-299. doi: 10.1016/j.fct.2017.04.020. Epub 2017 Apr 18. PMID: 28428084

Travis Glenn:

1. Genistein prevention of hyperglycemia and improvement of glucose tolerance in adult non-obese diabetic mice are associated with alterations of gut microbiome and immune homeostasis. Huang G, Xu J, Lefever DE, Glenn TC, Nagy T, Guo TL. Toxicol Appl

University of Georgia
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Pharmacol. 2017 Apr 12. pii: S0041-008X(17)30158-8. doi: 10.1016/j.taap.2017.04.009.

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2. Screening wild and semi-free ranging great apes for putative sexually transmitted diseases: Evidence of Trichomonadidae infections. Rushmore J, Allison AB, Edwards EE, Bagal U, Altizer S, Cranfield MR, Glenn TC, Liu H, Mudakikwa A, Mugisha L, Muller MN, Stumpf RM, Thompson ME, Wrangham R, Yabsley MJ. *Am J Primatol.* 2017 Apr;79(4):1-2. doi: 10.1002/ajp.22645. Epub 2017 Feb 15. No abstract available. PMID: 28324622
3. Dietary Selenomethionine Administration in the American Alligator (*Alligator mississippiensis*): Hepatic and Renal Se Accumulation and Its Effects on Growth and Body Condition. Finger JW Jr, Hamilton MT, Glenn TC, Tuberville TD. *Arch Environ Contam Toxicol.* 2017 Apr;72(3):439-448. doi: 10.1007/s00244-017-0370-4. Epub 2017 Feb 1. PMID: 28150020
4. Use of sonic tomography to detect and quantify wood decay in living trees. Gilbert GS, Ballesteros JO, Barrios-Rodriguez CA, Bonadies EF, Cedeño-Sánchez ML, Fossatti-Caballero NJ, Trejos-Rodríguez MM, Pérez-Suñiga JM, Holub-Young KS, Henn LA, Thompson JB, García-López CG, Romo AC, Johnston DC, Barrick PP, Jordan FA, Hershovich S, Russo N, Sánchez JD, Fábrega JP, Lumpkin R, McWilliams HA, Chester KN, Burgos AC, Wong EB, Diab JH, Renteria SA, Harrower JT, Hooton DA, Glenn TC, Faircloth BC, Hubbell SP. *Appl Plant Sci.* 2016 Dec 16;4(12). pii: apps.1600060. doi: 10.3732/apps.1600060. eCollection 2016 Dec. PMID: 28101433
5. Chronic Ingestion of Coal Fly-Ash Contaminated Prey and Its Effects on Health and Immune Parameters in Juvenile American Alligators (*Alligator mississippiensis*). Finger JW Jr, Hamilton MT, Metts BS, Glenn TC, Tuberville TD. *Arch Environ Contam Toxicol.* 2016 Oct;71(3):347-58. doi: 10.1007/s00244-016-0301-9. Epub 2016 Jul 30. PMID: 27475646
6. Capturing Darwin's dream. Glenn TC, Faircloth BC. *Mol Ecol Resour.* 2016 Sep;16(5):1051-8. doi: 10.1111/1755-0998.12574. PMID: 27454358
7. RADcap: sequence capture of dual-digest RADseq libraries with identifiable duplicates and reduced missing data. Hoffberg SL, Kieran TJ, Catchen JM, Devault A, Faircloth BC, Mauricio R, Glenn TC. *Mol Ecol Resour.* 2016 Sep;16(5):1264-78. doi: 10.1111/1755-0998.12566. PMID: 27416967
8. Sequence Capture versus Restriction Site Associated DNA Sequencing for Shallow Systematics. Harvey MG, Smith BT, Glenn TC, Faircloth BC, Brumfield RT. *Syst Biol.* 2016 Sep;65(5):910-24. doi: 10.1093/sysbio/syw036. Epub 2016 Jun 10. PMID: 27288477

University of Georgia
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Robert Gogal:

1. Acute Lameness in a Roller Pigeon (*Columba livia*) with Multicentric Lymphosarcoma. Williams SM, Williams RJ, Gogal RM Jr. *Avian Dis.* 2017 Jun;61(2):267-270. doi: 10.1637/11577-010317-Case.1. PMID: 28665728
2. Ingestion of a Single 2.3 mm Lead Pellet by Laying Roller Pigeon Hens Reduces Egg Size and Adversely Affects F1 Generation Hatchlings. Williams RJ, Tannenbaum LV, Williams SM, Holladay SD, Tuckfield RC, Sharma A, Humphrey DJ, Gogal RM Jr. *Arch Environ Contam Toxicol.* 2017 May 9. doi: 10.1007/s00244-017-0406-9. [Epub ahead of print] PMID: 28488006
3. The immunomodulatory effects of a commercial antiviral homeopathic compound in C57BL/6 mice, pre and post vaccine challenge. Mayer J, Williams RJ, Oppenheimer VA, He B, Tuckfield C, Koslowski E, Gogal RM Jr. *Int Immunopharmacol.* 2016 Oct;39:389-96. doi: 10.1016/j.intimp.2016.08.003. Epub 2016 Aug 20. PMID: 27551985

Tai Guo:

1. Genistein prevention of hyperglycemia and improvement of glucose tolerance in adult non-obese diabetic mice are associated with alterations of gut microbiome and immune homeostasis. Huang G, Xu J, Lefever DE, Glenn TC, Nagy T, Guo TL. *Toxicol Appl Pharmacol.* 2017 Apr 12. pii: S0041-008X(17)30158-8. doi: 10.1016/j.taap.2017.04.009. [Epub ahead of print] PMID: 28412308

Sayed Hassan:

1. Changing agricultural practices: potential consequences to aquatic organisms. Lasier PJ, Urich ML, Hassan SM, Jacobs WN, Bringolf RB, Owens KM. *Environ Monit Assess.* 2016 Dec;188(12):672. Epub 2016 Nov 15. PMID: 27848110

Steven Holladay:

1. Spatial and Visual Reasoning: Do These Abilities Improve in First-Year Veterinary Medical Students Exposed to an Integrated Curriculum? Gutierrez JC, Chigerwe M, Ilkiw JE, Youngblood P, Holladay SD, Srivastava S. *J Vet Med Educ.* 2017 May 23:1-7. doi: 10.3138/jvme.0915-158R3. [Epub ahead of print] PMID: 28534720
2. Ingestion of a Single 2.3 mm Lead Pellet by Laying Roller Pigeon Hens Reduces Egg Size and Adversely Affects F1 Generation Hatchlings. Williams RJ, Tannenbaum LV, Williams SM, Holladay SD, Tuckfield RC, Sharma A, Humphrey DJ, Gogal RM Jr. *Arch Environ Contam Toxicol.* 2017 May 9. doi: 10.1007/s00244-017-0406-9. [Epub ahead of print] PMID: 28488006

University of Georgia
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Elizabeth Howerth

1. Pathology in Practice. Alex CE, Hébert J, Boabaid F, Ambrose D, Howerth EW. J Am Vet Med Assoc. 2017 Feb 15;250(4):393-395. doi: 10.2460/javma.250.4.393. No abstract available. PMID: 28165315
2. What is your diagnosis? Digit aspirate from a dog. Camus MS, Burnum A, Howerth EW, Brouwer CJ, Sharma A, Huang CT. Vet Clin Pathol. 2017 Jun 12. doi: 10.1111/vcp.12518. [Epub ahead of print] No abstract available. PMID: 28605132
3. Pathology in Practice. Myers A, Clarke L, Ambrose DL, Howerth EW. J Am Vet Med Assoc. 2017 Jun 1;250(11):1255-1257. doi: 10.2460/javma.250.11.1255. No abstract available. PMID: 28509642
4. Hypervirulent *Klebsiella pneumoniae* in California Sea Lions (*Zalophus californianus*): Pathologic Findings in Natural Infections. Seguel M, Gottdenker NL, Colegrove K, Johnson S, Struve C, Howerth EW. Vet Pathol. 2017 Jan 1:300985817705172. doi: 10.1177/0300985817705172. [Epub ahead of print] PMID: 28494709
5. Pathology in Practice. Noland E, Coutermarsh-Ott SL, Barber RM, Kent M, Howerth EW. J Am Vet Med Assoc. 2017 Apr 15;250(8):855-857. doi: 10.2460/javma.250.8.855. No abstract available. PMID: 28358628
6. Acanthomatous ameloblastoma with atypical foci in five dogs. Malmberg JL, Howerth EW, Powers BE, Schaffer PA. J Vet Diagn Invest. 2017 Mar;29(2):154-159. doi: 10.1177/1040638716682565. Epub 2017 Feb 8. PMID: 28176614
7. Potential for Low-Pathogenic Avian H7 Influenza A Viruses To Replicate and Cause Disease in a Mammalian Model. Zanin M, Koçer ZA, Poulson RL, Gabbard JD, Howerth EW, Jones CA, Friedman K, Seiler J, Danner A, Kercher L, McBride R, Paulson JC, Wentworth DE, Krauss S, Tompkins SM, Stallknecht DE, Webster RG. J Virol. 2017 Jan 18;91(3). pii: e01934-16. doi: 10.1128/JVI.01934-16. Print 2017 Feb 1. PMID: 27852855
8. Expression Kinetics of RANTES and MCP-1 in the Brain of Deer Mice (*Peromyscus maniculatus*) Infected with Vesicular Stomatitis New Jersey Virus. Mesquita LP, Bruhn FR, Maiorka PC, Howerth EW. J Comp Pathol. 2016 Nov;155(4):326-338. doi: 10.1016/j.jcpa.2016.09.002. Epub 2016 Oct 22. PMID: 27780575
9. Tumor necrosis factor-alpha expression in white-tailed deer (*Odocoileus virginianus*) infected with Epizootic haemorrhagic disease virus. Sharma P, Stallknecht DE, Quist CF,

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Howerth EW. *Vet Ital.* 2016 Sep 30;52(3-4):369-374. doi: 10.12834/VetIt.552.2613.1. PMID: 27723049

10. Epizootic haemorrhagic disease virus induced apoptosis in bovine carotid artery endothelium is p53 independent. Sharma P, Stallknecht DE, Howerth EW. *Vet Ital.* 2016 Sep 30;52(3-4):363-368. doi: 10.12834/VetIt.548.2604.2. PMID: 27723048
11. Pathology in Practice. Brito ES, Howerth EW, Rissi DR. *J Am Vet Med Assoc.* 2016 Oct 15;249(8):905-908. No abstract available. PMID: 27700264
12. BILATERAL HYDRONEPHROSIS IN A SUGAR GLIDER (PETAURUS BREVICEPS). Cusack L, Schnellbacher R, Howerth EW, Jiménez DA, Mayer J, Divers S. *J Zoo Wildl Med.* 2016 Sep;47(3):886-889. PMID: 27691951
13. A 5-Year Retrospective Review of Avian Diseases Diagnosed at the Department of Pathology, University of Georgia. Nemeth NM, Gonzalez-Astudillo V, Oesterle PT, Howerth EW. *J Comp Pathol.* 2016 Aug-Oct;155(2-3):105-20. doi: 10.1016/j.jcpa.2016.05.006. Epub 2016 Jun 18. PMID: 27329003
14. Pathogenesis of Vesicular Stomatitis New Jersey Virus Infection in Deer Mice (*Peromyscus maniculatus*) Transmitted by Black Flies (*Simulium vittatum*). Mesquita LP, Diaz MH, Howerth EW, Stallknecht DE, Noblet R, Gray EW, Mead DG. *Vet Pathol.* 2017 Jan;54(1):74-81. doi: 10.1177/0300985816653172. Epub 2016 Jul 11. PMID: 27312365
15. Inflammatory effect of 2-aminoanthracene (2AA) on adipose tissue gene expression in pregnant Sprague Dawley rats. Whitby SL, Hunter DA, Yau W, Howerth EW, Gato WE. *Interdiscip Toxicol.*

Qingguo Huang:

1. Degradation of sulfadimethoxine catalyzed by laccase with soybean meal extract as natural mediator: Mechanism and reaction pathway. Liang S, Luo Q, Huang Q. *Chemosphere.* 2017 Aug;181:320-327. doi: 10.1016/j.chemosphere.2017.04.100. Epub 2017 Apr 23. PMID: 28453964
2. Composite of PAH-degrading endophytic bacteria reduces contamination and health risks caused by PAHs in vegetables. Wang J, Liu J, Ling W, Huang Q, Gao Y. *Sci Total Environ.* 2017 Nov 15;598:471-478. doi: 10.1016/j.scitotenv.2017.04.126. Epub 2017 Apr 25. PMID: 28448936
3. Erratum: Adsorption of methylene blue on an agro-waste oiltea shell with and without fungal treatment. Liu J, Li E, You X, Hu C, Huang Q. *Sci Rep.* 2017 Mar 16;7:44160. doi: 10.1038/srep44160. No abstract available. PMID: 28300063

University of Georgia
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4. Transformation and toxicity evaluation of tetracycline in humic acid solution by laccase coupled with 1-hydroxybenzotriazole. Sun K, Huang Q, Li S. *J Hazard Mater.* 2017 Jun 5;331:182-188. doi: 10.1016/j.jhazmat.2017.02.058. Epub 2017 Mar 1. PMID: 28273567
5. Factors controlling the rate of perfluorooctanoic acid degradation in laccase-mediator systems: The impact of metal ions. Luo Q, Wang Z, Feng M, Chiang D, Woodward D, Liang S, Lu J, Huang Q. *Environ Pollut.* 2017 May;224:649-657. doi: 10.1016/j.envpol.2017.02.050. Epub 2017 Mar 3. PMID: 28262377
6. Degradation of organic pollutants mediated by extracellular peroxidase in simulated sunlit humic waters: A case study with 17 β -estradiol. Li J, Zhang Y, Huang Q, Shi H, Yang Y, Gao S, Mao L, Yang X. *J Hazard Mater.* 2017 Jun 5;331:123-131. doi: 10.1016/j.jhazmat.2017.02.033. Epub 2017 Feb 22. PMID: 28249181
7. Adsorption of methylene blue on an agro-waste oiltea shell with and without fungal treatment. Liu J, Li E, You X, Hu C, Huang Q. *Sci Rep.* 2016 Dec 5;6:38450. doi: 10.1038/srep38450. PMID: 27917929
8. Transformation of triclosan by laccase catalyzed oxidation: The influence of humic acid-metal binding process. Lu J, Shi Y, Ji Y, Kong D, Huang Q. *Environ Pollut.* 2017 Jan;220(Pt B):1418-1423. doi: 10.1016/j.envpol.2016.10.092. Epub 2016 Nov 4. PMID: 27823864
9. Transformation and products of captopril with humic constituents during laccase-catalyzed oxidation: Role of reactive intermediates. Du P, Zhao H, Liu C, Huang Q, Cao H. *Water Res.* 2016 Dec 1;106:488-495. doi: 10.1016/j.watres.2016.10.036. Epub 2016 Oct 14. PMID: 27770725
10. The potential ecological risk of multiwall carbon nanotubes was modified by the radicals resulted from peroxidase-mediated tetrabromobisphenol A reactions. Lu K, Huang Q, Xia T, Chang X, Wang P, Gao S, Mao L. *Environ Pollut.* 2017 Jan;220(Pt A):264-273. doi: 10.1016/j.envpol.2016.09.058. Epub 2016 Sep 21. PMID: 27665121
11. Laccase-mediated transformation of triclosan in aqueous solution with metal cations and humic acid. Sun K, Kang F, Waigi MG, Gao Y, Huang Q. *Environ Pollut.* 2017 Jan;220(Pt A):105-111. doi: 10.1016/j.envpol.2016.09.028. Epub 2016 Sep 15. PMID: 27640762

Stacey Lance:

1. Correction to "Microsatellite development for an endangered riparian inhabitant, *Lilaeopsis schaffneriana* subsp. *recurva* (Apiaceae)". Tew JM, Lance SL, Jones KL, Fehlberg SD. *Am J Bot.* 2017 May;104(5):794. doi: 10.3732/ajb.1100517_ERR. No abstract available. PMID: 28536153

University of Georgia
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2. Relationships of mercury concentrations across tissue types, muscle regions and fins for two shark species. O'Bryhim JR, Adams DH, Spaet JL, Mills G, Lance SL. *Environ Pollut.* 2017 Apr;223:323-333. doi: 10.1016/j.envpol.2017.01.029. Epub 2017 Jan 31. PMID: 28159401
3. Genomic data detect corresponding signatures of population size change on an ecological time scale in two salamander species. Nunziata SO, Lance SL, Scott DE, Lemmon EM, Weisrock DW. *Mol Ecol.* 2017 Feb;26(4):1060-1074. doi: 10.1111/mec.13988. Epub 2017 Jan 21. PMID: 28026889
4. Integrating copper toxicity and climate change to understand extinction risk to two species of pond-breeding anurans. Weir SM, Scott DE, Salice CJ, Lance SL. *Ecol Appl.* 2016 Sep;26(6):1721-1732. doi: 10.1890/15-1082. PMID: 27755699
5. Development of microsatellite markers for buffalograss (*Buchloë dactyloides*; Poaceae), a drought-tolerant turfgrass alternative. Hadle JJ, Konrade LA, Beasley RR, Lance SL, Jones KL, Beck JB. *Appl Plant Sci.* 2016 Aug 3;4(8). pii: apps.1600033. doi: 10.3732/apps.1600033. eCollection 2016 Aug. PMID: 27610277
6. Patterns of amphibian infection prevalence across wetlands on the Savannah River Site, South Carolina, USA. Love CN, Winzeler ME, Beasley R, Scott DE, Nunziata SO, Lance SL. *Dis Aquat Organ.* 2016 Aug 31;121(1):1-14. doi: 10.3354/dao03039. PMID: 27596855

Erin Lipp:

1. Urbanized White Ibises (*Eudocimus albus*) as Carriers of *Salmonella enterica* of Significance to Public Health and Wildlife. Hernandez SM, Welch CN, Peters VE, Lipp EK, Curry S, Yabsley MJ, Sanchez S, Presotto A, Gerner-Smidt P, Hise KB, Hammond E, Kistler WM, Madden M, Conway AL, Kwan T, Maurer JJ. *PLoS One.* 2016 Oct 21;11(10):e0164402. doi: 10.1371/journal.pone.0164402. eCollection 2016. PMID: 27768705

Luke Naeher:

1. In utero exposure to atrazine analytes and early menarche in the Avon Longitudinal Study of Parents and Children Cohort. Namulanda G, Taylor E, Maisonet M, Boyd Barr D, Flanders WD, Olson D, Qualters JR, Vena J, Northstone K, Naeher L. *Environ Res.* 2017 Jul;156:420-425. doi: 10.1016/j.envres.2017.04.004. Epub 2017 Apr 12. PMID: 28410519
2. Nitro-PAH exposures of occupationally-exposed traffic workers and associated urinary 1-nitropyrene metabolite concentrations. Miller-Schulze JP, Paulsen M, Kameda T, Toriba A, Hayakawa K, Cassidy B, Naeher L, Villalobos MA, Simpson CD. *J Environ Sci (China).* 2016 Nov;49:213-221. doi: 10.1016/j.jes.2016.06.007. Epub 2016 Jul 4. PMID: 28007177

University of Georgia
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3. Assessment of traditional and improved stove use on household air pollution and personal exposures in rural western Kenya. Yip F, Christensen B, Sircar K, Naeher L, Bruce N, Pennise D, Lozier M, Pilishvili T, Loo Farrar J, Stanistreet D, Nyagol R, Muoki J, de Beer L, Sage M, Kapil V. *Environ Int.* 2017 Feb;99:185-191. doi: 10.1016/j.envint.2016.11.015. Epub 2016 Dec 4. PMID: 27923586
4. Biomonitoring Human Exposure to Household Air Pollution and Association with Self-reported Health Symptoms - A Stove Intervention Study in Peru. Li Z, Commodore A, Hartinger S, Lewin M, Sjödin A, Pittman E, Trinidad D, Hubbard K, Lanata CF, Gil AI, Mäusezahl D, Naeher LP. *Environ Int.* 2016 Dec;97:195-203. doi: 10.1016/j.envint.2016.09.011. Epub 2016 Sep 24. PMID: 27680405

Ron Riley:

1. Reduction of Fumonisin Toxicity by Extrusion and Nixtamalization (Alkaline Cooking). Voss K, Ryu D, Jackson L, Riley R, Gelineau-van Waes J. *J Agric Food Chem.* 2017 Feb 7. doi: 10.1021/acs.jafc.6b05761. [Epub ahead of print] PMID: 28170235
2. Sequential dietary exposure to aflatoxin B1 and fumonisin B1 in F344 rats increases liver preneoplastic changes indicative of a synergistic interaction. Qian G, Tang L, Lin S, Xue KS, Mitchell NJ, Su J, Gelderblom WC, Riley RT, Phillips TD, Wang JS. *Food Chem Toxicol.* 2016 Sep;95:188-95. doi: 10.1016/j.fct.2016.07.017. Epub 2016 Jul 16. PMID: 27430420

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