

University of Georgia
INTERDISCIPLINARY TOXICOLOGY FACULTY PUBLICATIONS
2015 - 2016

Robert Arnold:

1. Pharmacokinetics, antitumor and cardioprotective effects of liposome-encapsulated phenylaminoethyl selenide in human prostate cancer rodent models. Kang, JY., Eggert, M., Mouli, S., Aljuffali, I., Fu, X., Nie, B., Sheil, A., Waddey, K., Oldham, C.D., May, S.W., Amin, R. and Arnold, R.D., *Pharmaceutical Research* (2015), 32(3) 852-862 doi: 10.1007/s11095-014-1501-5, Epub 8/14 (impact factor: 3.952)
1. Pharmacokinetics, pulmonary disposition and tolerability of liposomal gentamicin and free gentamicin in foals. Burton, A.J., Giguere, S. and Arnold, R.D., *Equine Veterinary Journal*, (2015) 47(4) 467-72, doi: 10.1111/evj.12309, Epub 6/14 (impact factor: 0.697)
2. Efficacy liposomal gentamicin against *Rhodococcus equi* in a mouse infection model and co-localization with *R. equi* in equine alveolar macrophages. Burton, A.J., Giguère, S., Berghaus, L.J., Coulson, G.B., Hondalus, M.K. and Arnold, R.D., *Vet Microbiol* (2015) 176(3) 292-300 doi: 10.1016/j.vetmic.2015.01.015, Epub 1/15 (impact factor: 2.73)
3. Pharmacokinetic Evaluation of Generic and Brand-Name Extended-Release Formulations of Levetiracetam in Dogs. Boozer, L.B., Platt, S.R., Haley, A.C., Linville, A., Kent, M., Barron, L., and Nie, B. and Arnold, R.D., *American Journal of Veterinary Research*, (2015) 76(8) 719-723, doi: 10.2460/ajvr.76.8.719 (impact factor: 1.35)
4. Novel pegylated silver coated carbon nanotubes kill *Salmonella* but they are non-toxic to eukaryotic cells. Chaudhari, A.A., Jasper, S.L., Dosunmu, E., Miller, M.E., Arnold, R.D., Singh, S.R. and Pillai, S.R., *Journal of Nanobiotechnology* (2015) 13(1) 1-17, doi:10.1186/s12951-015-0085-5 (impact factor: 4.08)
5. Pharmacokinetic and pharmacodynamic evaluation of oral rivaroxaban in healthy adult cats. Dixon-Jimenez, A.C., Brainard, B.M., Brooks, M.B., Abrams J.C. Nie, B., Arnold, R.D. and Rapoport, G.S., *Journal of Veterinary Emergency and Critical Care* (in press, 5/15) (impact factor: 1.052)
6. Therapeutic oral dosage of e-aminocaproic acid in the Northern Elephant Seal (*Mirounga Angustirostris*). ,Kaye, S., Johnson, S., Arnold, R.D., Nie, B., Davis, J.T., Gulland, F., Abou-Madi, N. and Fletcher, D.J., *Journal of Zoo and Wildlife Medicine*, (in press, 6/2015)
7. The role of frataxin in doxorubicin mediated cardiac hypertrophy., Mouli, S., Nanaykkara, G., Fu, R., AlAsmari, A., Haitham, E., Berlin, A., Lohani, M., Nie, B., Navazis, N.A., Smith, F., Arnold, R.D., Beyers, R., Denney, T., Dhanasekaran, M., Quindry, J., Zhong, J. and Amin, R., B.S., *American Journal Physiological, Heart and Circulatory Physiology* (2015) 309:H844-H859, doi:10.1152/ajpheart.00182.2015, Epub 7/2015 (impact factor: 3.838)
8. Ten weeks of branched chain amino acid supplementation improves select performance and immunological variables in trained cyclists. Kephart, W.C., Wachs, T.D., Thompson, R.M., Mobley, C.B., Fox, C.D., McDonald, J.R., Ferguson, B.S., Young, K.C., Nie, B., Martin, J.S., Company, J.M., Pascoe, D.D., Arnold, R.D., Moon, J.R. and Roberts, M.D., *Amino Acids* (2016) 48(3) 779-789, doi:10.1007/s00726-015-2125-8, Epub 11/2015 (impact factor 3.293)

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9. Extraction, chromatographic and mass spectrometric methods for lipid analysis. Pati, S., Nie, B., Arnold, R.D. and Cummings, B.S., (Invited Review), *Biochemical Chromatography*, (2016) 30(5) 695-709, doi: 10.1002/bmc.3683, epub 12/15 (impact factor 1.723)
10. Methods for measuring myeloperoxidase activity toward assessing inhibitor efficacy in living systems. Huang, J., Milton, A., Arnold, R.D., Smith, F., Panizzi, J.R. and Panizzi, P. *Journal of Leukocyte Biology*, (2016) 99(4) 541-548, doi: 10.1189/jlb.3RU0615-256R (impact factor 4.304)
11. A novel covalent approach to bio-conjugate silver coated single walled carbon nanotubes with antimicrobial peptide. Chaudhari, A.D., Dennis, V., Singh, S.R., Owen, D.R., Palazzo, C., Arnold, R.D., Miller, M.E. and Pillai, S.R. *Journal of Nanobiotechnology*. (2016) 14:58, doi: 10.1186/s12951-016-0211-z (impact factor 4.24)

Michael Bartlett

1. Development of a surrogate matrix for cerebral spinal fluid for liquid chromatography/mass spectrometry based analytical methods. Hooshfar S, Basiri B, Bartlett MG. *Rapid Commun Mass Spectrom*. 2016 Apr 15;30(7):854-8. doi: 10.1002/rcm.7509. PMID: 26969926
2. Chromatographic methods for the bioanalysis of pyrethroid pesticides. Gullick DR, Mott KB, Bartlett MG. *Biomed Chromatogr*. 2016 May;30(5):772-89. doi: 10.1002/bmc.3712. Epub 2016 Mar 15. Review. PMID: 26916501
3. Identification of protein adduction using mass spectrometry: Protein adducts as biomarkers and predictors of toxicity mechanisms. Yang X, Bartlett MG. *Rapid Commun Mass Spectrom*. 2016 Mar 15;30(5):652-64. doi: 10.1002/rcm.7462. Review. PMID: 26842586
4. Editor-in-Chief editorial and introduction to 'Metabolomics and biomarkers' special issue. Bartlett MG, Chen B. *Biomed Chromatogr*. 2016 Jan;30(1):5-6. doi: 10.1002/bmc.3632. No abstract available. PMID: 26479865
5. Simultaneous quantitation of quetiapine and its active metabolite norquetiapine in rat plasma and brain tissue by high performance liquid chromatography/electrospray ionization tandem mass spectrometry (LC-MS/MS). Yang X, Poddar I, Hernandez CM, Terry AV Jr, Bartlett MG. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2015 Oct 1;1002:71-7. doi: 10.1016/j.jchromb.2015.08.011. Epub 2015 Aug 14. PMID: 26313131
6. Ion pair liquid chromatography method for the determination of thiamine (vitamin B1) homeostasis. Basiri B, Sutton JM, Hanberry BS, Zastre JA, Bartlett MG. *Biomed Chromatogr*. 2016 Jan;30(1):35-41. doi: 10.1002/bmc.3544. Epub 2015 Aug 17. PMID: 26120008
7. Pharmacokinetics of cotinine in rats: a potential therapeutic agent for disorders of cognitive function. Li P, Beck WD, Callahan PM, Terry AV Jr, Bartlett MG. *Pharmacol Rep*. 2015 Jun;67(3):494-500. doi: 10.1016/j.pharep.2014.12.004. Epub 2014 Dec 16. PMID: 25933960

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8. Paclitaxel induces acute pain via directly activating toll like receptor 4. Yan X, Maixner DW, Yadav R, Gao M, Li P, Bartlett MG, Weng HR. *Mol Pain*. 2015 Mar 11;11:10. doi: 10.1186/s12990-015-0005-6. PMID: 25868824
9. Bio-generation of stable isotope-labeled internal standards for absolute and relative quantitation of phase II drug metabolites in plasma samples using LC-MS/MS. Li P, Li Z, Beck WD, Callahan PM, Terry AV Jr, Bar-Peled M, Bartlett MG. *Anal Bioanal Chem*. 2015 May;407(14):4053-63. doi: 10.1007/s00216-015-8614-5. Epub 2015 Mar 25. PMID: 25804729

Marsha Black

1. Effects of urban land-use on largescale stonerollers in the Mobile River Basin, Birmingham, AL. Iwanowicz, D., M.C. Black, V.S. Blazer, H Zappia, W. Bryant. 2016. *Ecotoxicology* 25: 608-621.
2. Effects of multi-walled carbon nanotubes on the bioavailability and toxicity of diphenhydramine to *Pimephales promelas* in sediment exposures. Myer, M.H., W.M. Henderson, M.C. Black. 2016. *Environmental Toxicology and Chemistry* (in press)

Robert Bringolf:

1. Possible role of fish and frogs as paratenic hosts of *Dracunculus medinensis*, Chad. Eberhard, M.L., M.J. Yabsley, H. Zirimwabagabo, H. Bishop, C.A. Cleveland, J.C. Maerz, R.B. Bringolf, and E. Ruiz-Tiben. 2016. *Emerging and Infectious Diseases* 22:1428-1430.
2. Survey of intersex Largemouth Bass from the Upper Illinois River Waterway, USA. Fritts, M.W., J.A. DeBoer, A.K. Fritts, K.A. Kellock, R.B. Bringolf, and A.F. Casper. 2016. *American Midland Naturalist* 176:158-165.
3. Evaluation of reproductive status in Atlantic Tripletail by traditional and nonlethal approaches. Parr, R.T., C.A. Jennings, N.D. Denslow, K. Kroll, and R.B. Bringolf. 2016. *Coastal and Marine Fisheries* 8:16-22.
4. Simultaneous extraction and cleanup of high-lipid fish organs for multiple legacy and emerging organic contaminants using QuEChERS. Morrison, S., K. Sieve, R. Ratajczak, R. Bringolf, and J. Belden. 2016. *Talanta* 146: 16-22.
5. Non-lethal assessment of freshwater mussel physiological response to changes in environmental factors. Fritts, A.K., J.T. Peterson, J.M. Wisniewski and R.B. Bringolf. 2015. *Canadian Journal of Fisheries and Aquatic Science* 72: 1460-1468.
6. Evaluation of methods for assessing physiological biomarkers of stress in freshwater mussels. Fritts, A.K., J.T. Peterson, P.D. Hazelton and R.B. Bringolf. 2015. *Canadian Journal of Fisheries and Aquatic Science* 72: 1450-1459.
7. Factors associated with intersex Largemouth Bass from impoundments in the Southeastern U.S. Bringolf, R.B., B.J. Irwin, K.A. Kellock. 2015. 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.

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James Bruckner:

1. The immature rat as a potential model for chemical risks to children: Ontogeny of selected hepatic P450s. McPhail BT, White CA, Cummings BS, Muralidhara S, Wilson JT, Bruckner JV. *Chem Biol Interact.* 2016 Jul 4. pii: S0009-2797(16)30279-4. doi: 10.1016/j.cbi.2016.07.005. [Epub ahead of print] PMID: 27387539
2. Plasma protein binding limits the blood brain barrier permeation of the pyrethroid insecticide, deltamethrin. Amaraneni M, Sharma A, Pang J, Muralidhara S, Cummings BS, White CA, Bruckner JV, Zastre J. *Toxicol Lett.* 2016 May 27;250-251:21-8. doi: 10.1016/j.toxlet.2016.03.006. Epub 2016 Mar 22. PMID: 27016408
3. Ontogeny of plasma proteins, albumin and binding of diazepam, cyclosporine, and deltamethrin. Sethi PK, White CA, Cummings BS, Hines RN, Muralidhara S, Bruckner JV. *Pediatr Res.* 2016 Mar;79(3):409-15. doi: 10.1038/pr.2015.237. Epub 2015 Nov 16. PMID: 26571224
4. Quantitation of deltamethrin in rat liver and muscle using dispersive solid phase extraction with GC-NCI-MS. Gullick DR, Bruckner JV, White CA, Chen BS, Cummings BS, Bartlett MG. *J AOAC International*, 2016 99(3): 813-20.

Julie Coffield

1. Structural and Functional Interactions between Transient Receptor Potential Vanilloid Subfamily 1 and Botulinum Neurotoxin Serotype A. Li X, Coffield JA. *PLoS One.* 2016 Jan 8;11(1):e0143024. doi: 10.1371/journal.pone.0143024. eCollection 2016. PMID: 26745805

Brian Cummings:

1. The immature rat as a potential model for chemical risks to children: Ontogeny of selected hepatic P450s. McPhail BT, White CA, Cummings BS, Muralidhara S, Wilson JT, Bruckner JV. *Chem Biol Interact.* 2016 Jul 4. pii: S0009-2797(16)30279-4. doi: 10.1016/j.cbi.2016.07.005. [Epub ahead of print] PMID: 27387539
2. Quantitation of deltamethrin in rat liver and muscle using dispersive solid phase extractions with GC-NCI-MS. D.R. Gullick, J.V. Bruckner, C.A. White, C. Chen., B.S. Cummings and M.G. Bartlett, *J AOAC International*, 99(3): 813-820, 2016.
3. Plasma protein binding limits the blood brain barrier permeation of the pyrethroid insecticide, deltamethrin. Amaraneni M, Sharma A, Pang J, Muralidhara S, Cummings BS, White CA, Bruckner JV, Zastre J. *Toxicol Lett.* 2016 May 27;250-251:21-8. doi: 10.1016/j.toxlet.2016.03.006. Epub 2016 Mar 22. PMID: 27016408
4. Liposome-mediated delivery of the p21 activated kinase-1 (PAK-1) inhibitor IPA-3 limits prostate tumor growth in vivo. Al-Azayzih A, Missaoui WN, Cummings BS, Somanath PR. *Nanomedicine.* 2016 Jul;12(5):1231-9. doi: 10.1016/j.nano.2016.01.003. Epub 2016 Mar 3. PMID: 26949163

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5. Cyclin-Dependent Kinase Inhibitor 1a (p21) Modulates Response to Cocaine and Motivated Behaviors. Scholpa NE, Briggs SB, Wagner JJ, Cummings BS. *J Pharmacol Exp Ther*. 2016 Apr;357(1):56-65. doi: 10.1124/jpet.115.230888. Epub 2016 Jan 20. PMID: 26791604
6. Extraction, chromatographic and mass spectrometric methods for lipid analysis. Pati S, Nie B, Arnold RD, Cummings BS. *Biomed Chromatogr*. 2016 May;30(5):695-709. doi: 10.1002/bmc.3683. Epub 2016 Feb 18. PMID: 26762903
7. Ontogeny of plasma proteins, albumin and binding of diazepam, cyclosporine, and deltamethrin. Sethi PK, White CA, Cummings BS, Hines RN, Muralidhara S, Bruckner JV. *Pediatr Res*. 2016 Mar;79(3):409-15. doi: 10.1038/pr.2015.237. Epub 2015 Nov 16. PMID: 26571224
8. Differential effects of cocaine exposure on the abundance of phospholipid species in rat brain and blood. Cummings BS, Pati S, Sahin S, Scholpa NE, Monian P, Trinquero PM, Clark JK, Wagner JJ. *Drug Alcohol Depend*. 2015 Jul 1;152:147-56. doi: 10.1016/j.drugalcdep.2015.04.009. Epub 2015 Apr 22. PMID: 25960140

Rabindranath De la Fuente

1. Arginine methyltransferases mediate an epigenetic ovarian response to endometriosis. Baumann C, Olson M, Wang K, Fazleabas A, De La Fuente R. *Reproduction*. 2015 Oct;150(4):297-310. doi: 10.1530/REP-15-0212. Epub 2015 Jul 29. PMID: 26224097
2. ATRX contributes to epigenetic asymmetry and silencing of major satellite transcripts in the maternal genome of the mouse embryo. De La Fuente R, Baumann C, Viveiros MM. *Development*. 2015 May 15;142(10):1806-17. doi: 10.1242/dev.118927. Epub 2015 Apr 29. PMID: 25926359
3. Mouse BRWD1 is critical for spermatid postmeiotic transcription and female meiotic chromosome stability. Pattabiraman S, Baumann C, Guisado D, Eppig JJ, Schimenti JC, De La Fuente R. *J Cell Biol*. 2015 Jan 5;208(1):53-69. doi: 10.1083/jcb.201404109. Epub 2014 Dec 29. PMID: 25547156

Shanta Dhar

1. Mitochondrion: A Promising Target for Nanoparticle-Based Vaccine Delivery Systems. Wen R, Umeano AC, Francis L, Sharma N, Tundup S, Dhar S. *Vaccines (Basel)*. 2016 Jun 1;4(2). pii: E18. doi: 10.3390/vaccines4020018. Review. PMID: 27258316
2. Mitochondrial dysfunction-mediated apoptosis resistance associates with defective heat shock protein response in African-American men with prostate cancer. Chaudhary AK, Bhat TA, Kumar S, Kumar A, Kumar R, Underwood W, Koochekpour S, Shourideh M, Yadav N, Dhar S, Chandra D. *Br J Cancer*. 2016 May 10;114(10):1090-100. doi: 10.1038/bjc.2016.88. Epub 2016 Apr 26. PMID: 27115471
3. Unique Use of Alkylation for Chemo-Redox Activity by a Pt(IV) Prodrug. Pathak RK, Dhar S. *Chemistry*. 2016 Feb 24;22(9):3029-36. doi: 10.1002/chem.201503866. Epub 2016 Jan 25. PMID: 26807548

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4. Nanotechnology inspired tools for mitochondrial dysfunction related diseases. Wen R, Banik B, Pathak RK, Kumar A, Kolishetti N, Dhar S. *Adv Drug Deliv Rev.* 2016 Apr 1;99(Pt A):52-69. doi: 10.1016/j.addr.2015.12.024. Epub 2016 Jan 9. Review. PMID: 26776231
5. New formulation of old aspirin for better delivery. Kalathil AA, Kumar A, Banik B, Ruitter TA, Pathak RK, Dhar S. *Chem Commun (Camb).* 2016 Jan 4;52(1):140-3. doi: 10.1039/c5cc07316b. PMID: 26503669
6. Evaluation of nanoparticle delivered cisplatin in beagles. Feldhaeusser B, Platt SR, Marrache S, Kolishetti N, Pathak RK, Montgomery DJ, Reno LR, Howerth E, Dhar S. *Nanoscale.* 2015 Sep 7;7(33):13822-30. doi: 10.1039/c5nr03447g. PMID: 26234400
7. A Nanoparticle Cocktail: Temporal Release of Predefined Drug Combinations. Pathak RK, Dhar S. *J Am Chem Soc.* 2015 Jul 8;137(26):8324-7. doi: 10.1021/jacs.5b03078. Epub 2015 Jun 29. PMID: 26086212
8. The energy blocker inside the power house: Mitochondria targeted delivery of 3-bromopyruvate. Marrache S, Dhar S. *Chem Sci.* 2015 Mar;6(3):1832-1845. PMID: 25709804
9. Ex vivo generation of functional immune cells by mitochondria-targeted photosensitization of cancer cells. Marrache S, Tundup S, Harn DA, Dhar S. *Methods Mol Biol.* 2015;1265:113-22. doi: 10.1007/978-1-4939-2288-8_9. PMID: 25634271
10. Formulation and optimization of mitochondria-targeted polymeric nanoparticles. Marrache S, Pathak RK, Dhar S. *Methods Mol Biol.* 2015;1265:103-12. doi: 10.1007/978-1-4939-2288-8_8. PMID: 25634270
11. Defective hCNT1 transport contributes to gemcitabine chemoresistance in ovarian cancer subtypes: overcoming transport defects using a nanoparticle approach. Hung SW, Marrache S, Cummins S, Bhutia YD, Mody H, Hooks SB, Dhar S, Govindarajan R. *Cancer Lett.* 2015 Apr 10;359(2):233-40. doi: 10.1016/j.canlet.2015.01.017. Epub 2015 Jan 16. PMID: 25600708
12. Targeted nanoparticles in mitochondrial medicine. Pathak RK, Kolishetti N, Dhar S. *Wiley Interdiscip Rev Nanomed Nanobiotechnol.* 2015 May-Jun;7(3):315-29. doi: 10.1002/wnan.1305. Epub 2014 Oct 27. Review. PMID: 25348382
13. The Platin-X Series: Activation, Targeting, and Delivery. Basu, U.; Banik, B.; Wen, R.; Pathak, R. K., and Dhar, S. *Dalton Trans,* 2016, DOI: 10.1039/c6dt01738j.
14. Turn Up the Cellular Power Generator with Vitamin E Analogue Formulation. *Chem. Sci.* 2016, 10.1039/C6SC00481D.
15. Combined Chemo-Anti-Inflammatory Prodrugs and Nanoparticles. Pathak, R.; Dhar, S. *Synlett* 2016, 27, 1607-1612.

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Lisa Donovan:

1. Plant hydraulics as a central hub integrating plant and ecosystem function: meeting report for "Emerging Frontiers in Plant Hydraulics" (Washington, DC, May 2015). Sack L, Ball MC, Brodersen C, Davis SD, Des Marais DL, Donovan LA, Givnish TJ, Hacke UG, Huxman T, Jansen S, Jacobsen AL, Johnson D, Koch GW, Maurel C, McCulloh KA, McDowell NG, McElrone A, Meinzer FC, Melcher PJ, North G, Pellegrini M, Pockman WT, Pratt RB, Sala A, Santiago LS, Savage JA, Scoffoni C, Sevanto S, Sperry J, Tyerman SD, Way D, Holbrook NM. *Plant Cell Environ.* 2016 Apr 2. doi: 10.1111/pce.12732. [Epub ahead of print] No abstract available. PMID: 27037757
2. Fine root tradeoffs between nitrogen concentration and xylem vessel traits preclude unified whole-plant resource strategies in *Helianthus*. Bowsher AW, Mason CM, Goolsby EW, Donovan LA. *Ecol Evol.* 2016 Jan 20;6(4):1016-31. doi: 10.1002/ece3.1947. eCollection 2016 Feb. PMID: 26941942
3. Evolutionary Divergences in Root Exudate Composition among Ecologically-Contrasting *Helianthus* Species. Bowsher AW, Ali R, Harding SA, Tsai CJ, Donovan LA. *PLoS One.* 2016 Jan 29;11(1):e0148280. doi: 10.1371/journal.pone.0148280. eCollection 2016. PMID: 26824236
4. Macroevolution of leaf defenses and secondary metabolites across the genus *Helianthus*. Mason CM, Bowsher AW, Crowell BL, Celoy RM, Tsai CJ, Donovan LA. *New Phytol.* 2016 Mar;209(4):1720-33. doi: 10.1111/nph.13749. Epub 2015 Nov 19. PMID: 26583880
5. Phylogenetic structural equation modelling reveals no need for an 'origin' of the leaf economics spectrum. Mason CM, Goolsby EW, Humphreys DP, Donovan LA. *Ecol Lett.* 2016 Jan;19(1):54-61. doi: 10.1111/ele.12542. Epub 2015 Nov 13. PMID: 26563777
6. Evolution of the leaf economics spectrum in herbs: Evidence from environmental divergences in leaf physiology across *Helianthus* (Asteraceae). Mason CM, Donovan LA. *Evolution.* 2015 Oct;69(10):2705-20. doi: 10.1111/evo.12768. Epub 2015 Sep 29. PMID: 26339995
7. Species tree estimation of diploid *Helianthus* (Asteraceae) using target enrichment. Stephens JD, Rogers WL, Mason CM, Donovan LA, Malmberg RL. *Am J Bot.* 2015 Jun;102(6):910-20. doi: 10.3732/ajb.1500031. Epub 2015 Jun 18. PMID: 26101417
8. Does investment in leaf defenses drive changes in leaf economic strategy? A focus on whole-plant ontogeny. Mason CM, Donovan LA. *Oecologia.* 2015 Apr;177(4):1053-66. doi: 10.1007/s00442-014-3177-2. Epub 2014 Dec 6. PMID: 25480481

Gaylen Edwards

1. Chronic exercise confers neuroprotection in experimental autoimmune encephalomyelitis. Pryor WM, Freeman KG, Larson RD, Edwards GL, White LJ. *J Neurosci Res.* 2015 May;93(5):697-706. doi: 10.1002/jnr.23528. Epub 2014 Dec 15. PMID: 25510644
2. The galanin receptor agonist, galnon, attenuates cocaine-induced reinstatement and dopamine overflow in the frontal cortex. Ogbonmwan YE, Sciolino NR, Groves-Chapman JL, Freeman KG,

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Schroeder JP, Edwards GL, Holmes PV, Weinshenker D. *Addict Biol.* 2015 Jul;20(4):701-13. doi: 10.1111/adb.12166. Epub 2014 Jul 23. PMID: 25053279

Nikolay Filipov:

1. Time-dependent behavioral, neurochemical, and metabolic dysregulation in female C57BL/6 mice caused by chronic high-fat diet intake. Krishna S, Lin Z, de La Serre CB, Wagner JJ, Harn DH, Pepples LM, Djani DM, Weber MT, Srivastava L, Filipov NM. *Physiol Behav.* 2016 Apr 1;157:196-208. doi: 10.1016/j.physbeh.2016.02.007. Epub 2016 Feb 4. PMID: 26852949
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Jeffrey Fisher:

1. Dietary iodide sufficiency and moderate insufficiency in the lactating mother and nursing infant: A computational perspective. Fisher JW, Wang J, George NI, Gearhart JM, and McLanahan ED. 2016. *PLoS One*, Mar 1;11(3):e0149300. doi: 10.1371/journal.pone.0149300.
2. A biokinetic model for nickel released from cardiovascular devices. Saylor DM, Adidharma L, Fisher JW, and Brown RP. 2016. *Regul Toxicol Pharmacol* 80, 1-8.
3. Development of a physiologically based pharmacokinetic model for assessment of human exposure to bisphenol A. Yang, X., Doerge, D, Teeguarden J, and Fisher J. 2015.. *Toxicol Appl Pharmacol* 289, 442-456.
4. Application of physiologically-based pharmacokinetic modeling to explore the role of kidney transporters in renal reabsorption of perfluorooctanoic acid in the rat. Worley R and Fisher J. 2015. *Toxicol Appl Pharmacol* 289, 428-441.
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7. Human ontogeny of drug transporters: review and recommendations of the pediatric transporter working group. Brouwer K, Aleksunes L, Brandys B, Giacoia G, Knipp G, Lukacova V, Meibohm B, Nigam S, Reider M, de Wildt S and Abdel-Rahman S, Baker S, Bolger M, Bush K, Clancy B,

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9. 24-hour Human Urine and Serum Profiles of Bisphenol A: Evidence against sublingual absorption following ingestion in soup. Teeguarden JG, Twaddle N, Churchwell MI, Yang X, Fisher JW, Seryak LM, and Doerge DR. 2015. *Toxicol Appl Pharmacol* 288, 131-142.
10. Unraveling Bisphenol A Pharmacokinetics using physiologically based pharmacokinetic modeling. Yang X and Fisher JW. 2015. *Front. Pharmacol* 5, 292,doi:10.3389/fphar.2014.00292.

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