

## West Virginia University Publications with Undergraduate Co-Authors

### Publication List (*N* = 129 publications with undergraduates as co-authors)

—2017—

- Frazie, M.D.; Kim, M.J.; Ku, K.-M. Health-Promoting Phytochemicals from 11 Mustard Cultivars at Baby Leaf and Mature Stages. *Molecules* **2017**, *22*, 1749-1-1749-13. (Marissa Frazie/2017 SURE Participant)
- Clipp, HL; Peters, ML; Anderson, JT. Winter Waterbird Community Composition and Use at Created Wetlands in West Virginia, USA. *Scientifica*, **2017**, 1730130
- Thorne, KL; Price, E; Fiske, A; Scotti, JR. Traumatic stress and suicide risk: The role of rural origin. *J Rural Mental Health*, **2017**, *41*(1), 42-53.
- Baur, A; Bustin, KA; Aguilera, E; Petersen, JL; Hoover, JM. Copper and silver benzoate and aryl complexes and their implications for oxidative decarboxylative coupling reactions. *Org Chem Front.* **2017**, *4*: 519-524.
- Owens, CW; Oporto, GS; Söderberg, BCG; Lambson, KE. Lignocellulosic Micro- and Nanomaterials as Copper Frames for the Evaluation of the Copper(I)-Catalyzed Azide-Alkyne Cycloaddition. *J Nanomater.* **2017**, 9461615
- Mock, K; Lateef, S; Benedito, VA; Tou, JC. High-fructose corn syrup-55 consumption alters hepatic lipid metabolism and promotes triglyceride accumulation. *J. Nutr. Biochem.* **2017**, *39*, 32–39.
- Lieneman, CC; Brabson, LA; Highlander, A; Wallace, NM; McNeil, CB. Parent–Child Interaction Therapy: current perspectives. *Psychol Res Behav Manag.* **2017**; *10*, 239–256.
- Chapman, PD; Bradley, SP; Haught, EJ; Riggs, KE; Haffar, MM; Daly, KC; Dacks, AM. Co-option of a Motor-to-Sensory Histaminergic Circuit Correlates with Insect Flight Biomechanics. *P R Soc B*, **2017**, 284 (1859)
- Thapa, J; Spencer, M; Akhmedov, NG; Goulay, F. Kinetics of the OH radical reaction with fulvenallene from 298 K to 450 K. *J. Phys. Chem. Lett.*, **2015**, *6* (24), 4997–5001.
- Ansari, NH; Taylor, MC; Söderberg, BCG. Syntheses of three naturally occurring polybrominated 3,3'-bi-1H-indoles. *Tetrahedron Lett.* **2017**, *58* (11), 1053-1056.
- Szabo, MM; Ferris, KA; Urso, L; Aballay, AM; Duncan, CL. Social competence in pediatric burn survivors: A systematic review. *Rehabil Psychol*, **2017**, *62*, 69-80.
- Coates, KE; Majot, AT; Zhang, X; Michael, CT; Spitzer, SL; Gaudry, Q; Dacks, AM. Identified serotonergic modulatory neurons have heterogeneous synaptic connectivity within the olfactory system of *Drosophila*. *J Neurosci*, **2017**, *37* (31), 7318-7331
- Clark, NN; McKain, DL; Johnson, DR; Wayne, WS; Li, H; Akkerman, V; Sandoval, C; Covington, AN; Mongold, RA; Hailer, JT; Ugarte, OJ. Pump-to-Wheels Methane Emissions from the Heavy-Duty Transportation Sector. *Environ. Sci. Technol.*, **2017**, *51* (2), 968–976.

- Geldenhuis, WJ; Bergeron, SA; Mullins, JE; Aljammal, R; Gaasch, BL; Chen, W.-C., Yuj, J; Hazlehurst, LA. High-content screen using zebrafish (*Danio rerio*) embryos identifies a novel kinase activator and inhibitor. *Bioorg Med Chem Lett*, **2017**, 27, 2029-2037.

## —2016—

- Torres Arango, M.A.; Valença de Andrade, A.S.; Cipollone, D.T.; Grant, L.O.; Korakakis, D.; Sierros, K.A. Robotic Deposition of TiO<sub>2</sub> Films on Flexible Substrates from Hybrid Inks: Investigation of Synthesis–Processing–Microstructure–Photocatalytic Relationships. *ACS Appl. Mater. Interfaces*, **2016**, 8 (37), 24659-24670. (Domenic Cipollone/2016 SURE Participant)
- Short, Z.D.; Siddiqui, M. Umair; Henriquez, M.F.; McKee, J.S.; Scime, E.E. A Novel Laser-Induced Fluorescence Scheme for Ar-I in a Plasma. *Rev. Sci. Instrum.* **2016**, 87, 013505-1-013505-7. (Zachary Short/2016 SURE Participant; Miguel Henriquez/2015 SURE Participant)
- Elliott, D.; Scime, E.; Short, Z. electroXenon Calibration Scheme for Two-Photon Absorption Laser Induced Fluorescence of Hydrogen. *Rev. Sci. Instrum.* **2016**, 87, 11E504-1-11E504-3. (Zachary Short/2016 SURE Participant)
- Zhang, Y.; McArdle, I.W.; Hubbard, J.W.; Akhmedov, N.G.; Söderberg, B.C.G. Total Synthesis of the Tetracyclic Indole Alkaloid ht-13-A. *Tetrahedron Lett.* **2016**, 57, 2865-2867. (Ian W. McArdle/2015 SURE Participant)
- Kaiser, J.; Bland, C.; Klinke II, D.J., Identifying Causal Networks Linking Cancer Processes and Anti-tumor Immunity Using Bayesian Network Inference and Metagene Constructs. *Biotechnol. Prog.* **2016**, 32 (2), 470-479 (Cassidy Bland/2015 SURE Participant)
- McNeil, B.E.; Pisek, J.; Lepisk, H.; Flamenco, E.A. Measuring Leaf Angle Distribution in Broadleaf Canopies Using UAVs. *Agric. For. Meteorol.* **2016**, 218-219, 204-208. (Evelin A. Flamenco/2015 SURE Participant)
- Gao, X.; Campbell IV, W.A.; Chaibva, M.; Jain, P.; Leslie, A.E.; Frey, S.L.; Legleiter, J. Cholesterol Modifies Huntingtin Binding to, Disruption of, and Aggregation on Lipid Membranes. *Biochemistry.* **2016**, 55, 92-102. (Ashley E. Leslie/2015 SURE Participant; Pranav Jain/2015 SURE Participant)
- Fu, L.; Zhang, M.; Mastrantoni, K.; Perfetto, M.; Wei, S.; Yao, J. Bovine Lhx8, a Germ Cell-Specific Nuclear Factor, Interacts with Figla. *PLOS ONE*, **2016**, 11 (10), 1-13. (Kristen Mastrantoni/2014 & 2015 SURE Participant)
- Elza, M.C.; Slover, C.; McGraw, J. B. Analysis of Wood Thrush (*Hylocichla mustelina*) Movement Patterns to Explain the Spatial Structure of American Ginseng (*Panax quinquefolius*) Populations. *Ecol. Res.* **2016**, 31 (2), 195-201. (Michael Elza/2014 SURE Participant)
- Goodman, D.M.; Evans, T.; Campbell, M.; Panther, C.; Noble, A. The Robotic In-situ Surface Surface Exploration System for Space Exploration Objectives. *AIAA SPACE Forum 2016*, **2016**, 5535, 1-11. (Drew Goodman/2013 SURE Participant)
- Rane, A.; Lorimer, D.R.; Bates, S.D.; McMann, N.; McLaughlin, M.A.; Rajwade, K. A Search for Rotating Radio Transients and Fast Radio Bursts in the Parkes High-Latitude Pulsar Survey. *MNRAS.* **2016**, 455 (2), 2207-2215. (Natasha McMann/2013 SURE Participant)

- Mousa, A.Y.; Broce, M.; Sticco, A.; Viradia, R.; Monnett, S.; Yacoub, M.; Bates, M.C.; AbuRahma, A.F. IP087. Validation of Subclavian Duplex Velocity Criteria to Grade the Degree of Stenosis in Occlusive Subclavian Artery Disease. *J. Vasc. Surg.* **2016**, *63* (6), 84S-85S. (Ravi Viradia/2009 SURE Participant; NOTE: publication as M.D. medical researcher)
- AbuRahma, A.F.; Yacoub, M.; Hass, S.M.; AbuRahma, J.; Mousa, A.Y.; Dean, L.S.; Viradia, R.; Stone, P.A. Compliance of Postendovascular Aortic Aneurysm Repair Imaging Surveillance. *J. Vasc. Surg.* **2016**, *63* (3), 589-595. (Ravi Viradia/2009 SURE Participant; NOTE: publication as M.D. medical researcher)
- Elza, CM; Slover, C; McGraw, JB. Analysis of wood thrush (*Hylocichla mustelina*) movement patterns to explain the spatial structure of American ginseng (*Panax quinquefolius*) populations. *Ecol. Res.* **2016**, (31),195-201
- Butcher, TW; McClain, EJ; Hamilton, TG; Perrone, TM; Kroner, KM; Donohoe, GC; Akhmedov, NG; Petersen, JL; Popp, B. Regioselective Copper-Catalyzed Boracarboxylation of Vinyl Arenes. *Org. Lett.* **2016**, *18*(24), 6428–6431
- Doss, CE; Cassak, PA; Swisdak, M. Particle-in-cell simulation study of the scaling of asymmetric magnetic reconnection with in-plane flow shear. *Phys Plasmas.* **2016**, *23*, 082107
- Dong, X; Yan, C; Yomer, D; Li, CH; Li, L. Spiral growth of few-layer MoS<sub>2</sub> by chemical vapor deposition. *Appl. Phys. Lett.* **2016**, *109*, 051604.
- Daksha, M; Berger, B; Schuengel, E; Korolov, I; Derzsi, A; Koepke, M; Donkó, Z; Schulze, J. A computationally assisted spectroscopic technique to measure secondary electron emission coefficients in radio frequency plasmas. *J. Phys. D.* **2016**, (49), 234001.
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- Gowda, AS; Baur, A; Scaggs, CA; Petersen, JL; Hoover, JM. Formation of Di-tert-butylurea from a Mononuclear Iron Tris(isocyanide) Complex. *Organometallics*, **2016**, 35 (21), 3720–3727.
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- Chen, D; Lander, GR; Krowpman, KS; Solomon, GS; Flagg, EB. Characterization of the local charge environment of a single quantum dot via resonance fluorescence. *Phys. Rev. B*, **2016**, 93 (11), 115307
- Elliot, D; Scime, E; Short, Z. Novel xenon calibration scheme for two-photon absorption laser induced fluorescence of hydrogen. *Rev Sci Instrum.* **2016**, 87, 11E504
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- McNeil, BE; Pisek, J; Lepisk, H; Flamenco, EA. Measuring leaf angle distribution in broadleaf canopies using UAVs. *Agr Forest Meteorol*, **2016**, 218–219, 204-208
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- Daniels, JA; Angleman, AJ; Vecchi, GM; Bilsky, KDP; Leonard, J; Page, J; Brunson, M; Grinnan, E; Chamberlain, S; Haist, J; Ramirez, B. Motives of Criminal Captive-takers: A Preliminary Investigation. *J Police Crim. Psych.* (4), 250-260.

- Kyle, BN; McNeil, DW; Weaver, B; Wilson, T. Recall of Dental Pain and Anxiety in a Cohort of Oral Surgery Patients. *J Dent Res.* **2016.** 95 (6).

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- Siddiqui, M.U.; Thompson, D.S.; Mcllvain, J.M.; Short, Z.D.; Scime, E. E. Direct Measurements of Classical and Enhanced Gradient-Aligned Cross-Field Ion Flows in a Helicon Plasma Source Using Laser-Induced Fluorescence. *Phys. Plasmas* **2015**, *22*, 122103-1-122103-8. (Julianne Mcllvain/2015 SURE Participant; Zachary Short/2016 SURE Participant)
- Siddiqui, M.U.; McKee, J.S.; Mcllvain, J.; Short, Z.D.; Elliott, D.B.; Lusk, G.; Scime, E.E. Electron Heating and Density Production in Microwave-Assisted Helicon Plasmas. *Plasma Sources Sci. Technol.* **2015**, *24*, 034016: 1-13. (Julianne Mcllvain/2015 SURE Participant; Zachary Short/2016 SURE Participant)
- Chen, L.; Bustin, K.A.; Hoover, J.M. Copper-Catalyzed Oxidative Decarboxylative C-H Arylation of Benzoxazoles with 2-Nitrobenzoic Acids. *Chem. Commun.* **2015**, *51*, 15059-15062. (Katelyn A. Bustin/2015 SURE Participant)
- Yost, B.T.; Cushing, S.K.; Meng, F.; Bright, J.; Bas, D.A.; Wu, N.; Bristow, A.D. Investigation of Band Gap Narrowing in Nitrogen-Doped La<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> with Transient Absorption Spectroscopy. *Phys. Chem. Chem. Phys.* **2015**, *17*, 31039-31043. (Brandon T. Yost/2015 SURE Participant; Scott Cushing/2008 & 2009 SURE Participant; Joseph Bright/2012 SURE Participant)
- Doss, C.E.; Komar, C.M.; Cassak, P.A.; Wilder, F.D.; Eriksson, S.; Drake, J.F. Asymmetric Magnetic Reconnection with a Flow Shear and Applications to the Magnetopause. *J. Geophys. Res. Space Physics.* **2015**, *120*, 7748-7763. DOI: 10.1002/2015JA021489. (Christopher E. Doss/2015 SURE Participant)
- Berger, T.R.; Montie, H.L.; Jain, P.; Legleiter, J.; Merry, D.E. Identification of Novel Polyglutamine-Expanded Aggregation Species in Spinal and Bulbar Muscular Atrophy. *Brain Research.* **2015**, *1628*, 254-264. (Pranav Jain/2015 SURE Participant)
- Petrone, A.B.; Barr, T.L.; Devlin, K.; Fournier, S.B.; Devallance, E.D.; Lee, K.; Chantler, P.D. Matrix Metalloproteinase Levels May Mediate Ischemic Stroke Incidence and Recovery in Stroke Patients with Metabolic Syndrome. *Stroke*, **2015**, *46* (Suppl 1, Int. Stroke Conf. Poster Abstracts), AWP386-AWP386. (Kelly Devlin/2014 SURE Participant)
- Mertz, B.; Feng, J.; Corcoran, C.; Neeley, B. Explaining the Mobility of Retinal in Activated Rhodopsin and Opsin. *Photochem. Photobiol. Sci.* **2015**, *14*, 1952-1964. (Conor Corcoran/2013 SURE Participant; Brandon Neeley/2014 SURE Participant)
- Maditz, K.H.; Benedito, V.A.; Oldaker, C.; Nanda, N.; Lateef, S.S.; Livengood, R.; Tou, J.C. Feeding Soy Protein Isolate and n-3 PUFA Affects Polycystic Liver Disease Progression in a PCK Rat Model of Autosomal Polycystic Kidney Disease. *J. Ped. Gastroenter. Nut.* **2015**, *60*, 467-473. (Christopher Oldaker/2012 SURE Participant; Nainika Nanda/2013 SURE Participant; Sundus S. Lateef/2014 & 2016 SURE Participant)
- Liang, J.; Ma, Y.; Sims, S.; Wu, L. A Patterned Porous Polymer Film for Localized Capture of Insulin and Glucose-Responsive Release. *J. Mat. Chem. B*, **2015**, *3*(7), 1281-1288. (Savannah Sims/2014 SURE Participant)
- Hunsberger, H.C.; Weitzner, D.S.; Rudy, C.C.; Hickman, J.E.; Libell, E.M.; Speer, R.R.; Gerhardt, G.A.; Reed, M.N. Riluzole Rescues Glutamate Alterations, Cognitive Deficits, and Tau Pathology

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- Doss, CE.; Komar, CM; Cassak, PA; Wilder, FD; Eriksson, S; Drake, JF. 2015. Asymmetric magnetic reconnection with a flow shear and applications to the magnetopause, *J. Geophys. Res. Space Physics*, 120, 7748–7763.
- Teoli, DA.; Zullig, KJ; Hendryx, MS. Maternal fair/poor self-rated health and adverse infant birth outcomes. *Health Care Women Int*, **2015**, 36(1), 108–120.
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- Maditz, K.H.; Oldaker, C.; Nanda, N.; Benedito, V.; Livengood, R.; Tou, J.C. Dietary n-3 Polyunsaturated Fatty Acids or Soy Protein Isolate did not Attenuate Disease Progression in a Female Rat Model of Autosomal Recessive Polycystic Kidney Disease. *Nut. Res.* **2014**, 34 (6), 526-534. (Nainika Nanda/2011 & 2013 SURE Participant; Christopher Oldaker/2012 SURE Participant)
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- Robinson, S.L.; Panaccione, D.G. Heterologous Expression of Lysergic Acid and Novel Ergot Alkaloids in *Aspergillus Fumigatus*. *Appl. Environ. Microb.* **2014**, *80*, 6465-6472. (Sarah Robinson/2010 SURE Participant)
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