I. PUBLICATIONS

Note: *graduate student; **undergraduate student; ***medical student

I-A. Journal Publications (Students Underlined)


**Schambra UB**, **Lewis CN**, **Harrison TA** (2017) Deficits in spatial learning and memory in adult mice following acute, low or moderate levels of prenatal ethanol exposure during gastrulation or neurulation. *Neurotoxicol Teratol.* Jul 62:42-54. PMID: 28476615.


1-B. Books or Book Chapters:

Books:

Garcia D, T Archer, **RM Kostrzewa** (Co-Editor) Personality and Brain Disorders: Associations and Interventions, for Kostrzewa RM & T Archer Neurotoxicity book series, Springer New York, 2018 (target completion date) [15 chapters, all with obligated authors].

Book Chapters:


II. PAPERS, ABSTRACTS, AND/OR PRESENTATIONS (Students underlined)

II-A. Regional

Alkateeb T*, Ozment TR, Youngberg GA, Howell MEA, Stuart CA, Price JB, Jones TC, Williams DL, Blair T, Hoover DB. Effects of acute sepsis on renal structure and sympathetic innervation in mice. Poster presented at the ETSU, Appalachian Student Research Forum; April 2017; Johnson City, TN. **Won 1st Place, Biomedical & Health Sciences Division, Group A. **Tuqa Alkateeb, MS, Biology Dept. Currently PhD Student, Biomedical Sciences.

Beasley B**, Sciara A*, Crawford J, Claiborne T, Ordway G, Chandley M. Pathology of insulin like growth factor in the anterior cingulate cortex in autism. Poster presented at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. **Won 2nd Place, Biomedical & Health Sciences Division, Group A. **Brooke Beasley, BS, Health Sciences.


Coulthard J**, Chandley MJ, Wang-Heaton H, Ordway GA. GENE expression of DNA repair enzymes in pyramidal neurons from CA1 hippocampus in major depressive disorder. Poster presentation at the ETSU, Appalachian Student Research Forum; April 2017, Johnson City, TN. **Jacob Coulthard, BS, PSYC Department.

Coulthard J**, Ordway GA. Gene expression of DNA repair enzymes in pyramidal neurons from CA1 hippocampus in major depressive disorder. Poster presented at the ETSU Boland Undergraduate Research Forum; March 2017; Johnson City, TN. **Jacob Coulthard, BS, PSYC.
Cui K*, Aziz M, Ardell C, Yakubenko V. Regulation of pro-Inflammatory (M1) and anti-inflammatory (M2) macrophage migration by β2 integrins during inflammation. Oral presentation at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. *Kui Cui, PhD, Biomedical Sciences.

Dalal S, Connelly B, Singh M, Singh K. Nf2 signaling pathway plays a pro-apoptotic role in B-adrenergic receptor–Stimulated cardiac myocytes apoptosis. Oral presentation at ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. Dr. Suman Dalal, Research Associate.


DePreter CC**, Brown RW. Validation of a novel rodent model of major depressive disorder. Poster presented at the ETSU Boland Undergraduate Research Forum; March 2017; Johnson City, TN. *Caitlynn DePreter, BS, Psychology.


Fulmer M*, Thewke D. The Type-2 cannabinoid receptor modulates osteoblastic transdifferentiation of vascular smooth muscle cells involved in atherosclerotic and vascular calcification. Oral presentation at the ETSU, Appalachian Student Research Forum; April 2017; Johnson City, TN. *Makenzie Fulmer, PhD Biomedical Sciences.

Gill WD*, Burgess KC, Gabrieta P, Brown RW. Inhibition of tumor necrosis factor alpha results in alleviation of prepulse inhibition deficits in a rodent model of schizophrenia. Poster presented at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. Won 2nd Place, Doctoral Candidates, Biomedical Sciences. *W. Drew Gill, PhD, Biomedical Sciences.

Gupta S**, Patrick Bradshaw. Determination of a mitochondrial role for the C. Elegans ATR Homolog ATL-1. Poster presentation at the ETSU Boland Undergraduate Research Forum; March 2017; Johnson City TN. **Sweta Gupta, BS, Health Sciences, College of Public Health 2017.

Gupta S**, Gong HM*, Griffin JW*, Bradshaw PC. Determination of a mitochondrial role for the caenorhabditis elegans ATR homolog ATL-1. Poster presentation at ETSU, Appalachian Student Research Forum; April 2017; Johnson City, TN. **Sweta Gupta, BS, Health Sciences, College of Public Health 2017.

Jacobs J***, Kruppa M, Hall JV. Fungal-bacterial interactions: How does candida influence the disease-causing potential of two sexually transmitted bacteria? Poster presented at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. **Jeremy Jacobs, Medical Student.

Jacobs J***, Kruppa M, Hall JV. Fungal-bacterial interactions: How does candida influence STI causing bacteria? Poster presented at the 15th Annual Medical Student Health Sciences Research Symposium, QCOM; October 2016; Johnson City, TN. *Won 1st Place, Medical Students Division, Group A. ***Jeremy Jacobs, Medical Student.

Lim K**, Scofield SLC*, Dalal S, Singh M, Singh K. Extracellular ubiquitin modulates immune response decreasing the adverse effects of myocardial ischemia/reperfusion injury in mice. Poster presentation at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. *Won 1st Place, Biomedical & Health Sciences Division, Group B. **Kristina Lim, BS, Biology Department.


Ongtengco W**, Brown RW. Dual stress as a model for major depressive disorder. Poster presentation: ETSU Boland Undergraduate Research Forum; March 2017; Johnson City, TN. ***Westley Ontengco, BS, Health Sciences Department.

Ojo V*, McIntosh C, Ecay T, Defoe D. Postnatal cell shape development of the corneal endothelium in mice. Poster presented at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. *Victor Ojo, MS, Biology Department.


Scofield SLC*, Lim KA**, Dalal S, Singh M, Singh K. Cardioprotective effects of exogenous ubiquitin involve decreased inflammatory and fibrotic response in the heart following myocardial ischemia/reperfusion injury. Oral presentation at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. *Stephanie Scofield, PhD, Biomedical Sciences.

Thrasher PR*, Scofield SLC*, Dalal S, Singh M, Singh K. Ataxia-telangiectasia mutated kinase deficiency impairs cardiac autophagic response following myocardial infarction via the involvement of Akt/GSK-3β pathway. Poster presented at the ETSU Appalachian Student Research Forum; April 2017; Johnson City, TN. *Patsy Thrasher, PhD, Biomedical Sciences.

II-B. National

Aziz MH, Brown K, Cui K*, Smith J, Cathcart MK, Yakubenko VP. Integrin α0β2 (CD11d/CD18) promotes atherogenesis by supporting macrophage retention in atherosclerotic lesions. American Heart Association Scientific Sessions Meeting 2016; Nov. 11-16; New Orleans, LA. [This project received the Award for the Outstanding Research by an Early Career Investigator. This award is to acknowledge the highest scoring abstract submitted to the Arteriosclerosis Thrombosis and Vascular Biology council of AHA.]

Beaumont E, Campbell RP, Andresen MC. Vagus nerve stimulation directly activates limited myelinated afferents but indirectly increases unsynchronized activity in unmyelinated second and higher order sensory neurons in rat nucleus of the solitary tract. Society for Neuroscience (SfN 2017) Proceedings; November 12-16, 2016; San Diego, CA.


Blair T, Ozment T, Hall JV, Hopkins N, Miller MK, Williams D, Hoover DB. Donepezil increases survival in CLP sepsis but persistent splenic pathology and bacterial infection remain in 28-day survivors. 40th Annual Conference on Shock; June 2017, Fort Lauderdale, Fl.

Butler M**, Kintner J, Hall JV. Impact of hormone modulation of Wnt/β-catenin signaling on chlamydia trachomatis development. 8th Biennial Chlamydia Basic Research Society Meeting; April 2017, Charlotte, NC.


Dalal S, Connelly B, Singh M, Singh K. Involvement of NF-2 signaling pathway in β-Adrenergic receptor-stimulated cardiac apoptosis. Dr. Suman Dalal presented poster at the Experimental Biology (APS) Meeting; April 22-26, 2017; Chicago, IL.
Denton AR**, Kirby SL*, Kaestner C**, Dose JM, Burgess KC, Brown RW. Behavioral and plasticity mechanisms of the associative effects of nicotine in the neonatal quinpirole model of schizophrenia. Poster presentation at the Society for Neuroscience Meeting; November 12-16, 2016; San Diego, CA. (Adam Denton is a former undergraduate student and currently PhD student at Univ. of South Carolina Neuroscience program).

Ecay TW, Stewart JR. (2017) Calcium transport by the chorioallantois of trachemys scripta is independent of Calbindin-D28K expression. Society for Integrative and Comparative Biology (SICB) Annual Meeting; (Abstract P2-274); January 4-8, 2017; New Orleans, LA.

Ferslew KE. Drug Trends: The Opioid Epidemic. Talk presented at the Tennessee District Attorneys General Conference, Annual Fall Conference; October 13, 2016; Pigeon Forge, TN.

Ferslew KE. Current challenges of synthetic cannabimimetics and the legalization of marihuana. Talk presented at the 19th Fall Psychiatric Symposium: Psychopharmacology Update and Addiction Institute; September 29, 2016; Knoxville, TN.

Ferslew KE. “Chemical Testing, Alcohol & Signs of Impairment,” as part of the “Protecting Lives, Saving Futures.” Program presented for the Tennessee District Attorneys General Conference. Presented at the Madison County EMA Building; March 1, 2017; Jackson, TN


Hall JV, Ozment T, Gill S*, Williams D. Alteration of fecal microbial diversity following polymicrobial sepsis in β-glucan-exposed C57 Bl/6 mice. 40th Annual Conference on Shock; June 2017, Fort Lauderdale, FL


Hoover DB, Brown TC, Schweitzer JB, Williams DL. Loss of sympathetic nerves in spleens from patients with end stage sepsis. Poster presented at the 40th Annual Conference on Shock; June 3-6, 2017; Ft. Lauderdale, FL.


Kruppa M, Jacobs J**, Schoborg RV, Hall JV. Chlamydial elementary bodies bind to surface structures on the opportunistic fungal pathogen Candida albicans. Poster presentation at the 8th Biennial Meeting of the Chlamydia Basic Research Society; April 2017; Charlotte, NC.

Leonard C, Schoborg RV, Borel N. Chlamydia pecorum induces nuclear factor Kappa B activation and interleukin-6 secretion *In Vitro*, Effects not abolished by penicillin exposure. Poster presentation at the 8th Biannual Meeting of the Chlamydia Basic Science Research Society; April 2017; Charlotte, NC.

Li Y*, Lin P, Peterson JM, Wright GL. Remodeling of glucose metabolism by HIF-1α in hypoxic heart. *Ying Li presented poster* at the Experimental Biology (APS) Meeting; April 22-26, 2017; Chicago, IL.

Li Y*, Wright GL, Peterson JM. The effects of CTRP3 on lipid oxidation in adult mouse primary hepatocytes. *Ying Li presented poster* at the Experimental Biology (APS) Meeting; April 22-26, 2017; Chicago, IL.

Lim, KA**, Scofield, SLC*, Dalal, S, Singh M, Singh K. Protective anti-inflammatory role of extracellular ubiquitin in myocardial ischemia/reperfusion injury in mice. Kristina Lim presented poster at the SoCon Undergraduate Research Forum; October 28-29, 2016; Spartanburg, SC.

Ozment TR, Blair TE, Hall JL, Hopkins NS, Miller MK, Williams DL, Hoover DB. Donepezil increases survival in CLP sepsis but persistent splenic pathology and bacterial infection remain in 28-day survivors. Talk presented at the 40th Annual Conference on Shock; June 3-6, 2017; Ft. Lauderdale, FL.

Palmatier MI, Zhu M-Y, Brown RW, Kruppa M, Schoborg RV, Hall JV. Chlamydial elementary bodies bind to surface structures on the opportunistic fungal pathogen candida albicans. 8th Biannual Meeting of the Chlamydia Basic Science Research Society; April 2017; Charlotte, NC.

Podolnikova NP, Yakubenko VP, Ugarova TP. Platelet Factor 4 induces leukocyte responses through integrin Mac-1 (CD11b/CD18). American Society of Hematology Meeting; December 2016; San Diego, CA.


Scofield S*, Lim KA**, Dalal S, Singh M, Singh K. Exogenous ubiquitin improves cardiac function and reduces inflammatory response following myocardial ischemia/reperfusion injury. *Stephanie Scofield oral presentation* at the Experimental Biology Meeting (APS) meeting; April 22-26, 2017; Chicago, IL.

Slade J*, Kintner J, Schoborg RV. The type I interferon receptor is not required for C. muridarum-mediated protection against a lethal herpes simplex virus challenge in a murine coinfection model. Poster presentation at the 8th Biannual Meeting of the Chlamydia Basic Science Research Society; April 2017; Charlotte, NC.

Stuffle DA*, Howard RA, Krupa M. Virulence characteristics of candida albicans mutants identified as filamentous in the presence of bacteria. ASM Microbe Meeting; June 1-5 2017; New Orleans, LA.

Thrasher, PR*, Scofield, SLC*, Dalal, S, Singh M, Singh K. Deficiency of ataxia-telangiectasia mutated kinase induces autophagic impairment following myocardial infarction. Patsy Thrasher presented poster at the Experimental Biology (APS) meeting; April 22-26, 2017; Chicago, IL. (Recipient of EB 2017 minority travel fellowship).

Xie Q. Near infrared fluorescent imaging of brain tumor with IR780 dye incorporated phospholipid nanoparticles. Poster presentation at the American Association for Cancer Research (AACR) Annual Meeting; April 1-5, 2017; Washington, DC.

Yakoob H**, Grimm M**, Slade J*, Kintner J, Schoborg RV. The anti-human immunodeficiency virus (HIV) drug elvitegravir inhibits chlamydial development in culture. Poster presentation at the 8th Biannual Meeting of the Chlamydia Basic Science Research Society; April; 2017; Charlotte, NC.

Yakubenko VP, Cui K*, Ardell CL, Podrez EA, Byzova TV. End-product of DHA oxidation promotes β2 integrin-mediated macrophage migration during inflammation. NIH-Unraveling Vascular Inflammation: From Immunology to Imaging Meeting, October 24-25, 2016; Bethesda, MD.

II-C. International

Kostrzewa R. “L-DOPA effects on striatal microdialysate levels of hydroxyl radical in parkinsonian rats.” Invited guest speaker at the 2nd Central European Biomedical Congress (CEBC). Chairman, Symposium on Processes and Mechanisms Associated with Parkinson’s Disease; June 15-18, 2016; Krakow, Poland.

Polichnowski A. Chaired the Basic/Clinical Science Session entitled: “Getting on Your Nerves: Role of Sympathetic and Parasympathetic Outflow in Hypertension and Kidney Disease.” American Society of Nephrology Meeting; November 18, 2016; Chicago, IL.

Xie Q. “MET Inhibitors, Are We There Yet?” Oral presentation at the 14th Annual Congress of International Drug Discovery Science & Technology, Therapy and EXPO-2016; November 2016, Nanjing, China.

Zhu M-Y. “The research progress of post-stroke depression.” 7th Wubei Luo-Jia Cerebrovascular Disease Forum, organized by the Department of Neurology and the Journal of Stroke and Neuronal Diseases; March 31 and April 1, 2017; Wuhan, China.
Zhu M-Y. “Norepinephrine upregulates the expression of tyrosine hydroxylase and protects against 6-OH-DA toxicity in dopamine neurons.” Joint meeting of Neurotoxicity Society and International Neurotoxicology Association; May 20-23, 2017, Florianopolis, Brazil.

III. INVITED PRESENTATIONS (Students Underlined)

III-A. Regional

Agrawal A. “Protection against pneumococcal infection by using engineered C-reactive protein.” Presented at the Biomedical Sciences Seminar Program; September 2, 2016; Johnson City, TN.

Agrawal A. “Structure-function relationships of C-reactive protein.” Presented at the Department of Biological Sciences; November 2016, Johnson City, TN.

Allen S*. “Dopamine toxicity following chronic co-exposure to major “bath salt” constituents MDPV, mephedrone, and methylole.” Presented at the Biomedical Sciences Seminar Program; February 24, 2017; Johnson City, TN. *Serena Allen, PhD Student, Pharmaceutical Sciences.

Banerjee K. “FAK-STAT3 signaling reduces ER stress-induced mitochondrial dysfunction in endothelial cells.” Presented at Biomedical Sciences Seminar Program; October 28, 2016, Johnson City, TN.

Beaumont E. “Neurophysiology of MS.” Presented at the COM Grand Rounds on Multiple Sclerosis Forum; September 8, 2016; Johnson City, TN.

Brown R. “Epigenetic evidence in the neonatal quinpirole model.” Presented at the Biomedical Sciences Seminar Program; September 30, 2016; Johnson City, TN.

Cartwright M*. “Ataxia telangiectasia and Rad3-related (ATR): Gaining insight into structure and function”. Presented at the Biomedical Sciences Seminar Program; May 5, 2017; Johnson City, TN. *Michael Cartwright, PhD Student, Biomedical Sciences.

Duffourc M. Nevertheless, she persisted: Balancing Stubbornness and sensitivity in the Scientific Workplace.” Invited to be the Women in STREAM Keynote Speaker; The University of Virginia; March 20, 2017, Wise, VA.

Hagg T. “Integrin signaling as a therapeutic target for neurological disorders.” Presented at the Biomedical Sciences Seminar Program; August 19, 2016; Johnson City, TN.

Keasey M. “Vitamin D receptor agonist calcitriol suppresses calcification through upregulation of PiT2 but not PiT1 phosphate transporter.” Presented at the Biomedical Sciences Seminar Program; March 10, 2017; Johnson City, TN.
Schambra U. “Behavioral consequences of low or moderate prenatal ethanol exposure during gastrulation or neurulation in mice. Is having even one drink during the first month of pregnancy worth the risk.” Presented at the Biomedical Sciences Seminar Program; November 10, 2016; Johnson City, TN.

Schoborg RV. “Exploring the Role of Nectin-1 and Focal Adhesion Kinase in Chlamydial Development.” Presented at the Biomedical Sciences Seminar Program; March 24, 2017; Johnson City, TN.

Schoborg RV. “Zika Virus Structure and Replication.” Presented at the Biomedical Sciences Seminar Program; April 7, 2017; Johnson City, TN.

Scofield S*. “Ubiquitin’s Therapeutic Potential in Myocardial Ischemia/Reperfusion Injury.” Presented at the Biomedical Sciences Seminar Program; April 7, 2017; Johnson City, TN.

Visavadiya N. “Crosstalk between integrins and mitochondria via STAT3 protein.” Presented at the Biomedical Sciences Seminar Program; December 2, 2016; Johnson City, TN.

Yakubenko V. “Integrin αβ2 regulates the fate of macrophages during chronic inflammation.” Presented at the Biomedical Sciences Seminar Program; April 21, 2017; Johnson City, TN.

Xie Q. “Molecular determinants of MET-targeted therapy in cancer.” Presented at the Biomedical Sciences Seminar Program; September 16, 2016; Johnson City, TN.

III-B. National

Polichnowski AJ. “Pathogenesis of Impaired Recovery and Progression of Kidney Disease Following AKI in Pre-Existing CKD States.” Invited to present research at the Annual Experimental Biology Meeting in Chicago, IL. Format was a 30-minute presentation in a session sponsored by the Water and Electrolyte Homeostasis Section of the American Physiological Society; April 2017; Chicago, IL.

Polichnowski AJ, Griffin KA, Sethupathi P, Patel V, Patel M, Picken M, Williamson GA, Bidani AK. “Susceptibility to pressure-induced renal Injury in DOCA-Salt vs. Angiotensin II hypertensive rats.” Invitation from the Renal Section of the American Physiological Society Abstract selected for oral (10 min. presentation and 5 min. Q&A) and poster presented at the Annual Experimental Biology Meeting, The FASEB Journal, vol. 31, no. 1, Supplement, 701.2; April 22-26, 2017; Chicago, IL.

Rodriguez-Gil D. “Studying axon guidance in the olfactory system.” Invited Seminar Speaker at Western New England University, College of Arts and Science; November 3, 2016; Springfield, MA.

Schoborg RV. “Using Co-infections to Explore the Biology of Sexually Transmitted Pathogens.” Invited research presentation, Department of Biology, Texas Women’s University; February 28, 2017; Denton, TX.

Schoborg RV. “Human Parvoviruses.” Invited Seminar Speaker at the Department of Biomedical Sciences, West Virginia College of Osteopathic Medicine; July 19, 2016, Lewisburg, WV.
III-C. International


Zhu M-Y. Nominated as a Visiting Professor in Guang-Ji Mental Hospital, Soochow University, China (2016-2021).

V. VISITING PROFESSORS

Name: Junjie Chen, PhD  
Title: Professor and Chair  
Institution: The University of Texas, MD Anderson Cancer Center, Houston, TX  
Date: September 18, 2016  
Event: External Seminar Series  
Topic: “Protein-Protein Interaction Network In DNA Damage Response And Tumorigenesis”

Name: Jun Yoshioka, MD, PhD  
Title: Assistant Professor  
Institution: Harvard Medical School, Cambridge, MA  
Date: October 13, 2016  
Event: External Seminar Series  
Topic: “The Emerging Role Of Tnxip In Cardiac Physiology And Pathology”

Name: Laurel Grisanti, PhD  
Title: Postdoctoral Fellow  
Institution: Temple University, Center for Transitional Medicine, Philadelphia, PA  
Date: October 17, 2016  
Event: External Seminar Series  
Topic: “Myocardial Infarction”

Name: Helen E. Scharfman, PhD  
Title: Professor, Psychiatry, Physiology, Neuroscience  
Institution: New York University Lagone Medical Center  
Date: November 7, 2016  
Event: External Seminar Series  
Topic: “Gonadal Hormones and Their Role in Hippocampal Function and Malfunction”

Name: Kristine Y. DeLeon-Pennell, PhD  
Title: Instructor, Department of Physiology and Biophysics  
Institution: University of Mississippi Medical Center, Jackson, MS  
Date: March 20, 2017  
Event: External Seminar Series  
Topic: “Chronic Inflammation: Getting to the Heart of the Matter”
VI. EXTRAMURAL FUNDING

Extramural Funding Awards:

Total New Extramural Funding Awarded to Biomedical Sciences PI: $497,598
Total Amount of New Funding FY2017 Distribution: $497,598

“Characterization of hormonal influences on Chlamydia development” NIH; Jennifer Hall, PI; project funding period 8/20/16 to 7/31/19;
Total Direct: $300,000; Total Indirect: $144,000; Total Award $444,000
Year Direct: $300,000; Year Indirect: $144,000; Year Total $444,000

“University of California Purchase Order” University of California; Donald Hoover, PI; project funding period 8/8/16 to 5/31/17;
Total Direct: $36,214; Total Indirect: $17,384; Total Award $53,598
Year Direct: $36,214; Year Indirect: $17,384; Year Total $53,598
Continued Extramural Funded Grant Awards:

Total Amount of Continued Funding FY2016 Distribution: $1,673,597

“C-reactive protein in rheumatoid arthritis” NIH; Alok Agrawal, PI; project funding period 7/13/15 to 7/31/20;
Year Direct: $350,363; Year Indirect: $120,809; Year Total $471,172

“Effect of compound A on recovery from cerebral ischemia” Neurodetective Int’l Inc., Russell Brown, PI; project funding period 5/1/13 to 4/30/18;
Year Direct: $731; Year Indirect: $336; Year Total $1,068

“Role of ATM in myocardial remodeling following myocardial infarction” NIH; Krishna Singh, PI;
Project funding period 8/1/15 to 7/31/18;
Year Direct: $61,736; Year Indirect: $24,948; Year Total $86,684

“Role of B2 integrins in macrophage retention and egress during inflammation” NIH; Valentin Yakubenko, PI; project funding period 1/15/16 to 4/30/18;
Year Direct: $202,134; Year Indirect: $97,010; Year Total $299,144

“The contribution of integrin alphaDbeta2 to the macrophage migration and lipid deposition during atherogenesis” AHA; Valentin Yakubenko, PI; project funding period 9/1/15 to 6/30/16;
Year Direct: $29,427; Year Indirect: $2,942; Year Total $32,369

“Identifying molecular determinants and biomarkers for MET targeted therapy in glioblastoma”
Stephen M. Coffman Foundation; Qian Xie, PI; project funding period 2/1/16 to 1/31/17;
Year Direct: $70,630; Year Indirect: $0; Year Total $70,630

“Unrestricted funds transfer for research” Van Andel Research Institute; Qian Xie, PI; project funding period 2/1/16 to 6/30/18;
Year Direct: $0; Year Indirect $0; Year Total $0

“Anti-apoptotic Role of Ataxia Telangiectasia and Rad3-Related” NIH, Yue Zou, PI; project funding period 9/1/14 to 8/31/17;
Year Direct: $102,620; Year Indirect: $43,132; Year Total $145,752

“Cholinergic anti-inflammatory mechanisms in sepsis and septic shock” NIH; Donald Hoover, PI;
project funding period 9/1/14 to 8/31/17;
Year Direct: $75,139; Year Indirect: $34,564; Year Total $109,702

“Targeting CNTF to increase adult forebrain neurogenesis” NIH R01, Theo Hagg, PI; project funding period 4/15/14 to 3/31/19
Year Direct: $207,002; Year Indirect: $95,221; Year Total $302,223

“Genetics of trans-kingdom interactions between candida and bacteria” NIH R15; Mike Kruppa, PI;
project funding period 6/14/14 to 5/31/17;
Year Direct: $94,234, Year Indirect: $43,348; Year Total $137,582

“Vascular responses as therapeutic targets after SCI” NIH (University of Louisville Subaward);
Theo Hagg, PI; project funding period 1/1/14 to 7/31/16
Year Direct: $12,254, Year Indirect: $5,047; Year Total $17,301
Continued Extramural Funded Grant Extensions:

“Complement-mediated anti-pneumococcal functions of C-reactive protein” NIH; Alok Agrawal, PI; project funding period 9/1/15 to 8/31/17.

“Nicotine and the roles of nicotine receptors in rodent model of schizophrenia: NIH; Russell Brown, PI; project funding period 7/1/13 to 6/30/17

“Health Sciences Fellowship in Neurocardiology” American Heart Association. Donald Hoover, PI; project funding period 1/1/09 to 1/31/18

Intramural Grant Awards:

Total Internal Grants Awarded to Biomedical Sciences PI: $63,350

“Characterization of gene regulation during olfactory sensory neuron maturation” ETSU RDC Diego Rodriguez-Gil, PI; project funding period 7/1/16 to 6/30/17; Total Award $10,000

“Effect of extracellular ubiquitin on atherosclerosis” ETSU RDC Douglas Thewke, PI; project funding period 7/1/16 to 6/30/17; Total Award $10,000

“The gut microbiome: A novel mechanism underlying the beneficial effects of vagus nerve stimulation” ETSU RDC Eric Beaumont, PI; project funding period 7/1/16 to 6/30/17; Total Award $23,350

“Antimicrobial function of C-reactive protein (CRP) in the fight against common bacterial infections” ETSU RDC Sanjay Singh, PI; project funding period 7/1/16 to 6/30/17; Total Award $10,000

“Focal adhesion kinase regulates regeneration of adult olfactory neurons” ETSU RDC Cuihong Jia, PI; project funding 7/1/16 to 6/30/17; Total Award $10,000