I. PUBLICATIONS
Graduate students in bold


II. PRESENTATIONS

Graduate Student in bold

Tuqa Alkhateeb – S100A9 Sustains Myeloid-Derived Suppressor Expansion and Immunosuppression During Chronic Murine Sepsis, Oral and Poster Presentation at Appalachian Student Research Forum, East Tennessee State University – April 2019

Cindy Barrett - "Gray's Lily and the Lily Leaf Spot Disease"  Washington and Jefferson National Forest, Mount Rogers Office in Marion, VA

Cindy Barrett - "Gray's Lily and the Lily Leaf Spot Disease"  Southern Appalachian Highlands Conservancy in Alexander, NC

Cindy Barrett - "Gray's Lily and the Lily Leaf Spot Disease"  Southern Appalachian Highlands Conservancy, the Asheville Headquarters.

Jyoti Behera - Oral: "Comparative in silico analysis of Wrinkled1 paralogs in angiosperms" ; The southern section of the American Society of Plant Biologists (SS ASPB) meeting, Mar16 - Mar 18, Clemson University, Clemson, SC

Jyoti Behera - Oral: "Comparative in silico analysis of Wrinkled1 paralogs in angiosperms" ; Appalachiain Students Research Forum, Apr 19, East Tennessee State University, Johnson City, TN

Amy Berry - Chlamydia Basic Research Society Meeting in Seattle, WA, March 2019: poster presentation (Estrogen receptors affect Chlamydia muridarum infection in mice)

Amy Berry - Chlamydia Basic Research Society Meeting in Seattle, WA, March 2019: poster presentation (The Human Immunodeficiency Virus (HIV) drugs dolutegravir, elvitegravir, and bictegravir inhibit Chlamydia trachomatis and C. muridarum development in culture)

Amy Berry - Appalachian Student Research Forum, April 2019: oral presentation (Estrogen receptors affect Chlamydia muridarum infection in mice)

Aaron Birchfield - Crystallization of Grapefruit Flavonol-Specific 3-O Glucosyltransferase and Site-Directed Mutants. Poster Presentation at Appalachian Student Research Forum, East Tennessee State University – April 2019


Kui Cui, Christopher Ardell, Nataly Podolnikova, Tatiana Ugarova, Eugene Podrez,Tatiana Byzova, Valentin Yakubenko. Blockade of macrophage adhesion to end-product of DHA oxidation prevents macrophage accumulation during chronic inflammation. Atherosclerosis, Gordon Research Conference, Newry, ME, USA, 6/16-21, 2019

Valentin P. Yakubenko, Kui Cui, Meghan Addorisio, David L. Williams, Valentin A. Pavlov. A new role for α7 nicotinic acetylcholine receptor in macrophage migration to liver, lung and spleen during murine endotoxemia. 42nd Annual Conference on Shock, Coronado, CA, USA, 6/8-11, 2019

Christopher L. Ardell, Kui Cui, Tammy R. Ozment, William P. Bailey, David L. Williams, Valentin P. Yakubenko. The anti-septic mechanism of macrophage integrin αβ2 is mediated via regulation of macrophage migration. 42nd Annual Conference on Shock, Coronado, CA, USA, 6/8-11, 2019

Kui Cui, Christopher Ardell, Nataly Podolnikova, Valentin Yakubenko. The prevention of αβ2-mediated macrophage adhesion to inflamed extracellular matrix thwarts macrophage retention during chronic inflammation. Appalachian Student Research Forum, Johnson City, TN, USA, 4/12, 2019

M Fan, K Yang, Y Wang, F Tu, X Wang, J Xu, T Ha, L Liu, J Kalbfleisch, D Williams and C Li. YAP is required for endothelial HSPA12B promoted angiogenesis following myocardial infarction. Poster Presentation at the AHA Scientific Sessions, November 10-12, 2018, Chicago, IL.

M Fan, K Yang, Y Wang, F Tu, T Ha, L Liu, J Kalbfleisch, D Williams and C Li. Endothelial specific HSPA12B prevents upregulation of adhesion molecules in sepsis. Oral presentation at 42nd Shock Society Annual Conference, June 8-12, 2019, San Diego, CA.

Y Wang, S P. Gill, F Tu, X Wang, J Xu, M Fan, K Yang, T Ha, L Liu, J Kalbfleisch, D Williams and C Li. Endothelial cell specific HSPA12B regulates heart resident and infiltrated macrophages following myocardial infarction. Poster presentation at AHA Scientific Sessions, November 10-12, 2018, Chicago, IL.

Y Wang, S P. Gill, F Tu, M Fan, K Yang, T Ha, L Liu, J Kalbfleisch, D Williams and C Li. Endothelial-specific HSPA12B plays an important role in regulating the phenotype and function of macrophages following hypoxic challenge. Poster presentation at 42nd Shock Society Annual Conference, June 8-12, 2019, San Diego, CA.


Spencer Gill - "Training the innate immune system upregulates myeloid derived suppressor cells (MDSCs) in polymicrobial sepsis"- Presented at Shock Society 2019 meeting in Coronado, CA.

Peters, J.D. Gong, H. and Bradshaw, P.C. Effects of Vitamin B3 and a Ketone Body on C. elegans Lifespan. Appalachian Student Research Forum, Johnson City, TN April 2019.


Imdadul Haq - Gordon Research Conference, 2019, Oral Presentation with a title "The role of fatty acid amide hydrolase in anandamide mediated signaling pathway in an early land plant, Physcomitrella patens".

Imdadul Haq - American Society of Plant Biologist, Southern Section, 2019, Oral Presentation with a title "Fatty acid amide hydrolase in an early land plant, Physcomitrella patens".

Imdadul Haq - Appalachian Student Research Forum, 2019, Oral Presentation with a title "Fatty acid amide hydrolase mediated endocannabinoid signaling in an early land plant, Physcomitrella patens".

Hannah Malone – Therapeutic potential of FAK inhibitor in neuroprotection and neurogenesis in preclinical study in rodent stroke model. Biomedical Sciences Internal Seminar, November 2018

Hannah Malone - Appalachian Student Research Forum, 2019, Oral Presentation. Therapeutic potential of FAK inhibitor after stroke in neuroprotection and neurogenesis.


Anna Musket - Southeast Regional Brain Tumor Meeting (May 2019, Birmingham, NC) - poster presentation and joint oral presentation with Dr. Xie. Title: HGF-autocrine Activation of MET Receptor Tyrosine Kinase Induces de novo Glioma Formation in Mice.

Mary Wingard – Ataxia-Telangiectasia Mutated Kinase Deficiency Alters the Autophagic Response During Chronic Myocardial Infarction. Poster Presentation at Appalachian Student Research Forum, East Tennessee State University – April 2019

III. GRANTS/TRAVEL AWARDS

Amy Berry - Received the Graduate Student Research Grant in Spring 2019 ($800, Determining the effects of the inhibition of Chlamydia muridarum host cell exit mechanisms)

Amy Berry - Chlamydia Basic Research Society Travel Award

Rudy Chapman - Recipient of School of Graduate Studies Research Grant- The Role of Axonal Debris Removal and Inflammation Suppression in the Regenerating Olfactory System- 2019

Trevor Chapman - Recipient of School of Graduate Studies Research Grant- Stressed Out Salamanders: Investigating the Biotic and Abiotic Factors Which Define the Elevation Range Limit in *Plethodon Montanus* and *P. Glutinosus* -2019

Min Fan – Daniel Traber Presidential Travel Award at 42nd Shock Society Annual Conference.

Imdadul Haq - Award: Sigma XI research Grant. Title "Elucidating the endocannabinoid signaling pathway in an early land plant, Physcomitrella patens.

Hannah Oakes - Recipient of School of Graduate Studies Research Grant- Effect of Chronic Methylphenidate Treatment on the Nigrostriatal Pathway -2019

Hannah Oakes - Daigneault Pharmacology Travel Award, East Tennessee State University, Experimental Biology, April 2019

Hannah Oakes - ASPET Travel Award for Experimental Biology 2019 American Society for Pharmacology and Experimental Therapeutics, April 2019

Fei Tu - Travel Award from The Shock Society, 2018

IV. OTHER AWARDS

Tuqa Alkhateeb – First Place-Doctoral (Medicine and Diseases) Oral Presentation. Appalachian Student Research Forum, East Tennessee State University – April 2019

Rudy Chapman - First Place- 3 Minute Thesis. ETSU- November 2018
V. STUDENT TEACHING EXPERIENCES

Amy Berry
Summer 2019: Mentored a medical student during his 6 week time in our lab.

Aaron Birchfield
Biochemistry of Metabolism (lab) spring 19. 4 hour lab per week. Supervised setup and breakdown of all experiments. Opened lab with 45min lecture on avg. Monitored and informed lab progress while students carried out experiments

Trevor Chapman
Biometry (Biology MS course), Spring 2019, 4 hours/week. Design course syllabus, prepare lecture material, conduct lectures; prepare, administer, and grade homework, exams, and projects.

Spencer Gill
Mentored a medical student, Greylon Garaluk, this summer as he did his AHA summer research rotation in Dr. Williams laboratory. His project was successful and he recently won second place in the medical student research forum.

Henry Gong
Ronald E. McNair Scholarship program course facilitator - 10 hours a week for two summer months. I taught a course on research methodology to undergraduates interested in attending graduate school.

Imdadul Haq
Biochemistry of Macromolecules Lab, Fall 2018, 20 hours per week. Taught the lab section and also helped some of the lab section and supervised. Prepared lab for class; graded exams and lab report.

Hannah Malone
Technician/student lab training, 5 to 10 hours per week, teaching of basic procedures for immunohistochemistry and in vivo tissue analysis.