I. PUBLICATIONS
Graduate students in bold


Juan Zhao, Lam Ngoc Thao Nguyen, Lam Nhat Nguyen, Xindi Dang, Dechao Cao, Sushant Khanal, Madison Schank, Bal Krishna Chand Thakuri, Stella C Ogbu, Zheng D Morrison, Xiao Y Wu, Zhengke Li, Yue Zou, Mohamed El Gazzar, Shunbin Ning, Ling Wang, Jonathan P Moorman, Zhi Q Yao ATM deficiency accelerates DNA damage, telomere erosion, and premature t cell aging in HIV-infected individuals on antiretroviral therapy. (2019). Frontiers in Immunology 10

PMID: 31678139

PMID: 32312218


II. PRESENTATIONS
Graduate Student in bold

Tuqa Alkhateeb – Sepsis Induced Immunosuppression and Dysregulation of Myeloid Cell Development. Biomedical Sciences Internal Seminar, August 2, 2019

Tuqa Alkhateeb- Invited Speaker- Star Research Oral Presentation Alkhateeb T, Bah I et al. S100A9-Induced Reprogramming of Myeloid Cells during Sepsis. Society of Critical Care Medicine, Critical Care Congress. Feb 2020
Tuqa Alkhateeb - Dissertation Defense - Development, Expansion and Role of Myeloid-Derived Suppressor Cells in Post-Sepsis Immune Suppression, June 5, 2020

Jyoti Behera - Poster: "C-terminal region of Wrinkled1 is a potential target for oil enhancement in non-seed tissues"; Phytochemical Society of North America (PSNA) annual meeting, Jul 20- Jul 24, East Tennessee State University, Johnson city, TN

Amy Berry - Determining the effects of the inhibition of Chlamydia muridarum host cell exit mechanisms. (Britton Huskey, Amy Berry, Jennifer Kintner, and Jennifer Hall.) (Presented by B. Huskey at the 2019 Medical Student Research Symposium)

Amy Berry - Departmental Seminar: Chlamydial interactions with the female sex hormones estrogen and progesterone and their receptors (September 2019)

Aaron Birchfield - Grapefruit flavonoid specific 3-O Glucosyltransferase: Effect of Tags on Activity and Preparation for Crystallization. Phytochemical Society of North America (July 2019)

Trevor Chapman - Investigating the proximate mechanisms of habitat constraints in two species of Plethodontid salamanders in the Southern Appalachian Mountains, Tennessee Herpetological Society, Gray, TN, September 2019

Kui Cui - Valentin Yakubenko, Kui Cui, Meghan Addorisio, David L. Williams, Valentin A. Pavlov. New insight into the role of the α7 nicotinic acetylcholine receptor in the neuro-immune dialogue and in mediating macrophage migration in murine endotoxemia. Society for Neuroscience, 10/19-23, Chicago, IL, USA, 2019

Xindi Dang - Seminar: March 17, 2020. Title: Inhibition of topoisomerase IIA induces telomeric DNA damage and T cell dysfunction during chronic viral infection


Spencer Gill - "Training the innate immune system reverses age related changes to the fecal microbiome" - Abstract submitted to be presented at the 4th International Conference on Innate Immune Memory in Nijmegen, the Netherlands in October/November 2019.
Spencer Gill - “Innate immune training modulates myeloid derived cell (MDSC) populations in polymicrobial sepsis” - Abstract submitted to be presented at the 4th International Conference on Innate Immune Memory in Nijmegen, the Netherlands in October/November 2019.

Henry Gong - Gong, H., Knisley, C., and Bradshaw, P.C. Examining the effects of two NAD kinases on oxidative stress in C. elegans. ETSU Quillen College of Medicine Medical Student Summer Research Forum. September 2019


Imdadul Haq - Dissertation Defense- Understanding the Implications of Anandamide, an Endocannabinoid in Early Land Plant, Physcomitrella patens, March 30, 2020

Madeleine Miller - Biology department seminar - oral presentation, October 16th, 2019
Title: Lights, Clock, Action! Circadian Rhythms of Locomotor Activity in Larinioides cornutus Indicate Extreme Flexibility in Photo-entrainment. Authors: Madeleine K. Miller, Thomas C. Jones, Darrell Moore

Madeleine Miller - Society for Neuroscience Annual meeting - poster presentation, October 23rd 2019
Title: Lights, Clock, Action! Circadian Rhythms of Locomotor Activity in Larinioides cornutus Indicate Extreme Flexibility in Photo-entrainment. Authors: Madeleine K. Miller, Thomas C. Jones, Darrell Moore

Anna Musket - 3 Minute Thesis presentation: Glioblastoma: misregulation and therapeutic options, second place, Fall 2019

Donald Ngwa - Dissertation Defense- A novel mode of action of C-reactive protein in protecting against Streptococcus pneumoniae infection and synergy with antibiotics , March 24, 2020

Asmita Pathak - Dissertation Defense- Protection against atherosclerosis by a non-native pentameric CRP that shares its ligand recognition functions with an evolutionarily distant CRP, March 30, 2020

Amelia Pearson - Oral presentation - SEEPEG 2019 - Diurnal variation in the heat tolerance of locally adapted genotypes of Daphnia magna

Fei Tu - Dissertation Defense-Roles of Endothelial Cell Heat Shock Protein A12B and β-glucan, a reagent for trained Immunity in the Regulation of Inflammation in Sepsis, June 25, 2020

Mary Wingard - Student seminar- Role of Ataxia-Telangiectasia Mutated Kinase in Western-type Diet-induced Cardiac Outcomes; May 12, 2020

III. EXTERNAL GRANTS SUBMITTED

Min Fan -
American Heart Association
2020 AHA Predoctoral Fellowship
Title of Project: HSPA12B and YAP cooperatively regulate endothelial cell proliferation and angiogenesis after myocardial infarction.
The Award begins, and has been approved at the level of funding indicated below:
Period 1 Start Date: 1/1/2020, End Date: 12/31/2020, Total: $31,016
Period 2 Start Date: 1/1/2021, End Date: 12/31/2021, Total: $31,016

Madison Schank-
NIH / NIAID NRSA (F31)
Title: Coordination of HIV-infection and ART-treatment to induce mitochondrial dysfunction in CD4+ T cells

Mary Wingard-
AHA Predoctoral Fellowship
NIH NRSA (F31)
Title: ATM: Role in Western-type diet-induced cardiac dysfunction

IV. GRANTS/TRAVEL/OTHER AWARDS

Tuqa Alkhateeb- Trainee Travel Award Midwest Clinical and Translational Research Meeting. Apr 2020

Tuqa Alkhateeb- Star Research Achievement Award Society of Critical Care Medicine. Feb 2020

Jyoti Behera- Award: Recipient of 'School of Graduate Studies Research Grant' Award 2020
Understanding the Structural Domains of Oil Biosynthesis Regulator Protein in Avocado

Min Fan- 2019 BCVS Abstract Travel Grant at AHA Scientific Sessions, November 16-18, 2019, Philadelphia, PA.

Min Fan- 2020 AHA Predoctoral Fellowship (1/1/2020-12/31/2021).

Anna Musket- 3 Minute Thesis presentation: Glioblastoma: misregulation and therapeutic options, second place, Fall 2019

Anna Musket
Recipient of 'School of Graduate Studies Research Grant' Award 2020
Characterization of MET Alteration using Glioblastoma Patient Derived Xenograft Models

V. STUDENT TEACHING EXPERIENCES

Jyoti Behera
1. Fall 2019: BIOL-4157, Biochemistry of macromolecules lab (4 hours per week)
2. Spring 2020: BIOL-4177, Biochemistry of Metabolism lab (4 hours per week)
For both labs, my duties include teaching the lab, grading the lab report, conduct quizzes, grade the midterm and endterm exams.
Amy Berry
Fall 2019: Medical Microbiology and Immunology Laboratory Instructor, 2-6 contact hours/week. Assisted faculty in the medical microbiology laboratory.

Trevor Chapman
Biochemistry of Macromolecules lab, Fall 2019, 4 hours/week. Prepare short lectures for lab instruction, supervise lab activities; prepare, administer, and grade homework, exams, and manuscripts.

Madeleine Miller
Biochemistry Lab (20 hours/week)- macromolecules, Fall 2019 and Spring 2020
Teaching lab techniques including TLC, SDS PAGE, Western blot, PCR, photospectrometry

Mary Wingard
Biomedical Science I- Teaching a lecture on working with laboratory mice.