School of Medicine

Brefczynski-Lewis, Julie, PhD, Department of Physiology and Pharmacology, Behavioral Medicine and Psychiatry

- “Testing before and after and brief stress intervention in heart failure patients vs. age-matched controls, and assistance with data collection via a novel imaging technology, a wearable PET scanner, in patients with severe depression”

Brown, Candice M, PhD, Department of Neurobiology and Anatomy

- “Peripheral Biomarkers of Delirium and Cognitive Impairment in Sepsis”

Con, Jorge MD, Department of Surgery

- “Forced Vital Capacity (FVC) can predict hospital disposition in patients with isolated rib fractures”
- “The use of Technology to decrease costs and increase efficiency in Trauma Patients Transferred to a Level 1 Trauma Center”
- “Comfort level of Rural Practitioners at Level 3 and Level 4 Trauma centers in managing mild brain, spine, and hand injuries”

Dietz, Matthew J., MD, Department of Orthopedics

- “Electrolysis as an adjunct treatment in the removal of biofilm from a total knee prosthesis”

Frisbee, Jefferson C., PhD, Department of Physiology and Pharmacology

- “Research into Factors Affecting the Cardiovascular Health of Populations”

Ghorayeb, Ghassan, MD, Department of Ophthalmology

- “Diabetic Telemed Study: researching the possibility of the use of retinal cameras in a primary care setting using retinal photography, patient chart review, data collection and statistical analysis”

Ivanov, Alexey, PhD, Department of Biochemistry

- “Characterize key transcription factors involved in suppression of epithelial-to-mesenchymal transition (EMT) in breast cancer”
- “Elucidating the role of KAP1 in resistance of breast cancer cells to cancer therapy”

Li, Bingyun, PhD, Department of Orthopaedics

- “Examine the antimicrobial and toxicity properties of a new antimicrobial peptide”
- “Examining small colony variants under various possible clinical conditions”

Olfert, Mark, PhD, Division of Exercise Physiology

- “Long-term effects of e-cigarette exposure on cardiac and respiratory structure and function”
Realini, Anthony, MD, WVU Eye Institute, Department of Ophthalmology

- “Collecting photographs from patients with diabetes and/or glaucoma, with the goal of developing automated detection software to aid in the screening for these diseases”

Simpkins, James, PhD, Department of Physiology and Pharmacology

- “Assay and analysis of microRNAs in blood samples from human subjects who sustained traumatic brain injury while learning the process of RT-PCR of a panel of microRNAs, their statistical analysis and their correlation with clinical outcomes in the subjects”

Vargovich, Alison M., PhD & Kimberly Foley, PhD, Department of Family Medicine

- “Evaluating Patient Response to High Dose Chronic Opioid Therapy”

School Of Pharmacy

Karshenas, Allie, PhD, WVU Clinical & Pharmacological Research Center

- “WVU Clinical & Pharmacologic Research Center (CPRC) is a Contract Research Organization with a dual mission approach to pharma-initiated clinical trials while active in delivering targeting training and experimental rotations through didactic and hands on engagements”

Lockman, Paul, PhD, Department of Basic Pharmaceutical Sciences

- “The novel imaging techniques to simultaneously measure drug uptake tumor permeability in brain metastases of breast cancer”
- “The development of new formulations and or drug delivery strategies to increase chemotherapeutic concentrations in brain metastases”
- “Developing strategies to inhibit cancer cells from entering into brain tissue”

School of Dentistry

Wiener, R. Constance, DMD, PhD, Department of Dental Practice and Rural Health, Department of Epidemiology

- “Dental Epidemiology: Secondary Database Research in Dental-Public Health project using SAS or SPSS”