

HLBS Faculty	Department	Research Focus
Abel, Edwin (Ted) G	Neuroscience and Pharmacology	Molecular basis of learning, memory and sleep
Abou Alaiwa, Mahmoud	Internal Medicine-Pulmonary	Regulation of airway host defenses
Ahmad, Ferhaan	Internal Medicine - Cardiovascular	Inherited cardiovascular disorders
Anderson, Ethan	College of Pharmacy-PSET	Cardiac complications of diabetes & sepsis, arrhythmias, mitochondrial disorders
Bassuk, Alex	Pediatrics - Neurology	Neuronal circuitry of IJA5 neurons; role in sleep, behavior and the antinociceptive system
Bates, Melissa	Health and Human Physiology	Long-term cardiovascular outcomes in survivors of prematurity
Bell, Edward	Pediatrics - Neonatology	Outcomes of extremely preterm infants following blood transfusion
Boudreau, Ryan	Internal Medicine - Cardiovascular	Genetic and molecular mechanisms of cardiomyopathy
Campbell, Kevin	Molecular Physiology & Biophysics	Cardiomyopathy in muscular dystrophy
Chauhan, Anil Kumar	Internal Medicine - Hematology	Vascular inflammatory diseases: stroke and atherosclerosis
Cho, Josalyn	Internal Medicine-Pulmonary	Regulation of host immune responses
Comellas, Alejandro	Internal Medicine-Pulmonary	Airway innate immunity, indoor particulate matter
Conrad, Amy Lynn	Pediatrics - Developmental	Long term effects of anemia
Cui, Huxing	Neuroscience and Pharmacology	Neural control of metabolic homeostasis, hypertension and sleep
Davies, Brandon	Biochemistry	Triglyceride metabolism and metabolic disease
Dayal, Sajana	Internal Medicine-Hematology, Oncology and Blood and Marrow	Thrombosis associated with aging, cardiovascular risk factors, infection and cancer
Dokun, Ayotunde Oluropo	Internal Medicine - Endocrinology and Metabolism	Molecular mechanisms in peripheral artery disease in the setting of diabetes
Engelhardt, John	Anatomy & Cell Biology	Airway Biology, Cystic Fibrosis, Gene Therapy
Fischer, Anthony	Pediatrics - Pulmonary	Mucociliary transport and early infections in patients with CF
Gerke, Alicia	Internal Medicine-Pulmonary	Critical care medicine, pulmonary diseases
Grueter, Chad	Internal Medicine - Cardiovascular	Cardiac transcription regulation in development and disease
Grumbach, Isabella	Internal Medicine - Cardiovascular	Mitochondrial function in vascular disease
Hall, Duane	Internal Medicine - Cardiovascular	Heart failure mechanisms due to E-C coupling dysfunction
Haskell, Sarah	Pediatrics - Critical Care	Cardiovascular disease, developmental origins, cardiac development, hemodynamics
Hodgson-Zingman, Denice	Internal Medicine - Cardiovascular	Intersection of cardiac electrophysiology with cardiac metabolism
Hoffman, Eric	Radiology	Advanced imaging of respiratory physiology and regional lung mechanics
Hoth, Karin	Psychiatry	Brain Structure and Function in Pulmonary Disorders
Hua, Xiaoyang	Otolaryngology	Nasal mucosal immunity, sinonasal inflammation and skull base defect repair
Irani, Kaikobad J.	Internal Medicine - Cardiovascular	Molecular mechanisms of diabetic vascular dysfunction
Jalal, Diana	Internal Medicine - Nephrology	Cardiovascular disease and vascular dysfunction in chronic kidney disease
Johnson, Alan Kim	Psychological and Brain Sciences	The neurobiology of the control of body fluid homeostasis and blood pressure
Kennelty, Korey	College of Pharmacy-Pharmacy Practice and Science	Medication management and telehealth
Klesney-Tait, Julia	Internal Medicine-Pulmonary	Regulation of inflammation in bronchiolitis obliterans following lung transplantation.
Knudson, Michael	Pathology	Transfusion Medicine
Kumar, Santosh	Internal Medicine - Cardiovascular	Research interest: Endothelial function and atherosclerosis
Lira, Vitor A.	Health & Human Physiology	Impact of aging, obesity and diabetes on cardiomyocytes
London, Barry	Internal Medicine - Cardiovascular	Arrhythmias and sudden cardiac death
McCray, Paul	Pediatrics - Pulmonary	Pulmonary innate immunity, gene therapies for lung diseases
McNamara, Patrick	Pediatrics - Neonatology	Neonatal hemodynamics
Mohr, Nicholas	Emergency Medicine	Early interventions for critical illness in the ER
Nizar, Jonathan	Internal Medicine - Nephrology	Renal Electrolyte Transport, Hypertension, Acid/Base Homeostasis
Nopoulos, Peg	Psychiatry	Neuroimaging, impact of blood transfusions on brain development
Parekh, Kalpaj	Cardiothoracic Surgery	chronic lung allograft dysfunction (CLAD) after lung transplantation
Pezzulo-Colmenares, Alejandro	Internal Medicine-Pulmonary	Airway epithelial biology and chronic lung diseases
Pierce, Gary	Health and Human Physiology	Vascular aging, Exercise Physiology, Arterial hemodynamics, Hypertension
Polgreen, Linnea Ann	College of Pharmacy-Pharmacy Practice and Science	Cardiovascular risk and treatment
Polgreen, Philip	Internal Medicine – Infectious Diseases, Epidemiology	Vascular endothelial dysfunction, Epidemiology
Rahmouni, Kamal	Neuroscience and Pharmacology	Pathways that control metabolic and cardiovascular functions

Reinhardt, Joseph	Biomedical Engineering	Lung Biomechanics using CT imaging
Richerson, George	Neurology	Mechanisms of control of respiration and sleep
Rios, Danielle Rae	Pediatrics - Neonatology	Predictive analytics and hemodynamic evaluation in extremely premature infants
Russo, Andrew	Molecular Physiology & Biophysics	CGRP regulation of arousal and role in migraine
Ryan, Amy	Anatomy and Cell Biology	regulation of airway stem cells during homeostasis and disease
Sabharwal, Rasna	Internal Medicine - Cardiovascular	Neurohumoral and Molecular Mechanisms in Cardiomyopathies
Saha, Punam	Electrical and Computer Engineering	Osteoporosis and Lung Disease
Samaniego, Edgar	Neurology	Aneurysm, Intracranial Atherosclerosis
Santillan, Mark	Obstetrics & Gynecology	Hypertensive disorders of pregnancy
Sinn, Patrick	Pediatrics - Pulmonary	Cystic fibrosis gene therapy, infectious diseases
Song, Long-Sheng	Internal Medicine - Cardiovascular	Cardiac calcium signaling
Staber, Janice	Pediatrics - Hematology	Coagulation disorders and gene transfer
Stanhewicz, Anna	Health and Human Physiology	Blood vessel control mechanisms in cardiovascular or metabolic disease
Stoltz, David	Internal Medicine-Pulmonary	Pulmonary diseases and lung infections
Thiel, William	Internal Medicine - Cardiovascular	Cell-specific ligands to study/treat cardiovascular disease
Wei, Shunguang	Internal Medicine - Cardiovascular	Neural control of autonomic regulation in cardiovascular disease
Welsh, Michael J	Internal Medicine-Pulmonary	Cystic Fibrosis and lung biology
Xie, Yuliang	College of Engineering - Biomedical Engineering	Innovate biomedical devices and biomaterials in study of pulmonary physiology and disease
Yang, Ling	Anatomy & Cell Biology	Organelle stress and autophagy in obesity-associated thrombosis
Zabner, Joseph	Internal Medicine-Pulmonary	Gene transfer for cystic fibrosis, fluid composition of the airway surface liquid