

Table 2. Participating Faculty Members

Name	Degree(s)	Rank	Primary Department or Program	Research Interest	Training Role	Pre-doctorates in Training	Pre-doctorates Graduated	Predocorates Continued in Research or Related Careers	Post-doctorates in Training	Post-doctorates Completed Training	Postdoctorates Continued in Research or Related Careers
Abel, Edwin (Ted) G	PhD	Prof. and Chair	Neuroscience and Pharmacology	Molecular basis of learning, memory and sleep	Mentor	5	10	10	2	12	12
Abou Alaiwa, Mahmoud	MD	Asst. Prof.	Internal Medicine-Pulmonary	Regulation of airway host defenses	Junior Mentor	0	0	0	1	0	0
Ahmad, Ferhaan	MD, PhD	Assoc. Prof.	Internal Medicine - Cardiovascular	Inherited cardiovascular disorders	Secondary Mentor	2	1	0	0	0	0
Anderson, Ethan	PhD	Assoc. Prof.	College of Pharmacy-PSET	Cardiac complications of diabetes & sepsis, arrhythmias, mitochondrial disorders	Mentor	5	5	3	1	3	2
Bassuk, Alex	MD, PhD	Prof.	Pediatrics - Neurology	Neuronal circuitry of LJA5 neurons; role in sleep, behavior and the antinociceptive system	Mentor	1	3	3	1	0	0
Bates, Melissa	PhD	Assoc. Prof.	Health and Human Physiology	Long-term cardiovascular outcomes in survivors of prematurity	Mentor	2	4	4	2	3	2
Bell, Edward	MD	Prof.	Pediatrics - Neonatology	Outcomes of extremely preterm infants following blood transfusion	Mentor	0	7	2	2	2	2
Boudreau, Ryan	PhD	Assoc. Prof.	Internal Medicine - Cardiovascular	Genetic and molecular mechanisms of cardiomyopathy	Mentor	1	0	0	1	2	2

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Campbell, Kevin	PhD	Prof.	Molecular Physiology & Biophysics	Cardiomyopathy in muscular dystrophy	Mentor	0	2	2	3	16	16
Chauhan, Anil Kumar	PhD	Prof.	Internal Medicine - Hematology	Vascular inflammatory diseases: stroke and atherosclerosis	Mentor	0	0	0	5	6	5
Cho, Josalyn	MD	Asst. Prof.	Internal Medicine-Pulmonary	Regulation of host immune responses	Junior Mentor	2	0	0	0	4	4
Comellas, Alejandro	MD	Prof.	Internal Medicine-Pulmonary	Airway innate immunity, indoor particulate matter	Mentor	0	2	0	1	1	1
Conrad, Amy Lynn	PhD	Asst. Prof.	Pediatrics - Developmental	Long term effects of anemia	Junior Mentor	0	1	1	1	1	1
Cui, Huxing	PhD	Asst. Prof.	Neuroscience and Pharmacology	Neural control of metabolic homeostasis, hypertension and sleep	Junior Mentor	1	0	0	3	0	0
Davies, Brandon	PhD	Assoc. Prof.	Biochemistry	Triglyceride metabolism and metabolic disease	Mentor	0	3	3	1	1	1
Derdeyn, Colin	MD	Prof.	Radiology	Occlusive Cerebrovascular disease, cerebral Hemodynamics	Mentor	1	0	0	0	18	11
Dokun, Ayotunde Oluropo	MD, PhD	Assoc. Prof.	Internal Medicine - Endocrinology and Metabolism	Molecular mechanisms in peripheral artery disease in the setting of diabetes	Secondary Mentor	1	8	8	3	4	3
Engelhardt, John	PhD	Prof. and Chair	Anatomy & Cell Biology	Airway Biology, Cystic Fibrosis, Gene Therapy	Mentor	1	5	5	3	16	16

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Fischer, Anthony	MD, PhD	Asst. Prof.	Pediatrics - Pulmonary	Mucociliary transport and early infections in patients with CF	Junior Mentor	1	1	1	1	1	1
Gerke, Alicia	MD	Assoc. Prof.	Internal Medicine-Pulmonary	Critical care medicine, pulmonary diseases	Secondary Mentor	0	2	2	0	0	0
Grueter, Chad	PhD	Assoc. Prof.	Internal Medicine - Cardiovascular	Cardiac transcription regulation in development and disease	Secondary Mentor	1	2	2	0	3	2
Grumbach, Isabella	MD, PhD	Prof.	Internal Medicine - Cardiovascular	Mitochondrial function in vascular disease	Mentor	2	1	0	2	9	6
Hall, Duane	PhD	Asst. Prof.	Internal Medicine - Cardiovascular	Heart failure mechanisms due to E-C coupling dysfunction	Junior Mentor	2	0	0	1	0	0
Haskell, Sarah	DO	Assoc. Prof.	Pediatrics - Critical Care	Cardiovascular disease, developmental origins, cardiac development, hemodynamics	Mentor	1	1	1	2	3	0
Hodgson-Zingman, Denice	MD	Prof. and Director	Internal Medicine - Cardiovascular	Intersection of cardiac electrophysiology with cardiac metabolism	Secondary Mentor	1	1	1	0	4	4
Hoffman, Eric	PhD	Prof. and Director	Radiology	Advanced imaging of respiratory physiology and regional lung mechanics	Mentor	1	13	11	1	9	8

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Hoth, Karin	PhD	Assoc. Prof.	Psychiatry	Brain Structure and Function in Pulmonary Disorders	Mentor	3	1	1	3	1	1
Irani, Kaikobad J.	MD	Prof.	Internal Medicine - Cardiovascular	Molecular mechanisms of diabetic vascular dysfunction	Mentor	0	0	0	2	8	6
Jalal, Diana	MD	Assoc. Prof.	Internal Medicine - Nephrology	Cardiovascular disease and vascular dysfunction in chronic kidney disease	Mentor	0	0	0	1	3	3
Johnson, Alan Kim	PhD	Prof.	Psychological and Brain Sciences	The neurobiology of the control of body fluid homeostasis and blood pressure	Mentor	0	2	2	0	1	1
Kennelty, Korey	PharmD, PhD	Assoc. Prof.	College of Pharmacy- Pharmacy Practice and Science	Medication management and telehealth	Mentor	4	7	1	1	5	1
Klesney-Tait, Julia	MD, PhD	Assoc. Prof.	Internal Medicine- Pulmonary	Regulation of inflammation in bronchiolitis obliterans following lung transplantation.	Junior Mentor	1	0	0	0	0	0
Knudson, Michael	MD, PhD	Prof.	Pathology	Transfusion Medicine	Mentor	1	20	2	0	1	0
Kumar, Santosh	PhD	Asst. Prof.	Internal Medicine - Cardiovascular	Research interest: Endothelial function and atherosclerosis	Junior Mentor	0	0	0	2	0	0

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Lira, Vitor A.	PhD	Assoc. Prof.	Health & Human Physiology	Impact of aging, obesity and diabetes on cardiomyocytes	Mentor	2	3	3	0	0	0
London, Barry	MD, PhD	Prof. and Director	Internal Medicine - Cardiovascular	Arrhythmias and sudden cardiac death	Mentor	1	1	1	1	14	9
McCray, Paul	MD	Prof.	Pediatrics - Pulmonary	Pulmonary innate immunity, gene therapies for lung diseases	Mentor	1	5	4	12	9	9
McNamara, Patrick	MB, BCh	Prof. and Director	Pediatrics - Neonatology	Neonatal hemodynamics	Secondary Mentor	1	0	0	2	16	10
Mohr, Nicholas	MD	Prof. and Director	Emergency Medicine	Early interventions for critical illness in the ER	Mentor	5	6	2	3	0	0
Nizar, Jonathan	MD	Asst. Prof.	Internal Medicine - Nephrology	Renal Electrolyte Transport, Hypertension, Acid/Base Homeostasis	Junior Mentor	1	0	0	0	0	0
Nopoulos, Peg	MD	Prof. and Chair	Psychiatry	Neuroimaging, impact of blood transfusions on brain development	Mentor	1	6	3	0	9	7
Parekh, Kalpaj	MBBS	Prof. and Director	Cardiothoracic Surgery	chronic lung allograft dysfunction (CLAD) after lung transplantation	Mentor	3	2	0	2	0	0
Pezzulo-Colmenares, Alejandro	MD	Asst. Prof.	Internal Medicine-Pulmonary	Airway epithelial biology and chronic lung diseases	Junior Mentor	5	1	1	1	2	2

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Pierce, Gary	PhD	Prof.	Health and Human Physiology	Vascular aging, Exercise Physiology, Arterial hemodynamics, Hypertension	Mentor	3	2	2	1	4	4
Polgreen, Linnea Ann	PhD	Assoc. Prof.	College of Pharmacy- Pharmacy Practice and Science	Cardiovascular risk and treatment	Junior Mentor	0	0	0	0	3	3
Polgreen, Philip	MD, MPH	Prof.	Internal Medicine – Infectious Diseases, Epidemiology	Vascular endothelial dysfunction, Epidemiology	Mentor	3	17	10	0	0	0
Rahmouni, Kamal	PhD	Prof.	Neuroscience and Pharmacology	Pathways that control metabolic and cardiovascular functions	Mentor	2	3	3	1	5	5
Reinhardt, Joseph	PhD	Prof. and Chair	Biomedical Engineering	Lung Biomechanics using CT imaging	Mentor	6	5	4	0	0	0
Richerson, George	MD,PhD	Prof. and Chair	Neurology	Mechanisms of control of respiration and sleep	Mentor	6	11	11	6	13	13
Rios, Danielle Rae	MD	Assoc. Prof.	Pediatrics - Neonatology	Predictive analytics and hemodynamic evaluation in extremely premature infants	Junior Mentor	0	2	2	3	9	9
Roghair, Robert D	MD	Prof.	Pediatrics - Neonatology	Developmental origins of hypertension	Secondary Mentor and PI	2	13	7	1	6	4

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Russo, Andrew	PhD	Prof.	Molecular Physiology & Biophysics	CGRP regulation of arousal and role in migraine	Mentor	3	4	4	0	4	4
Sabharwal, Rasna	PhD	Asst. Prof.	Internal Medicine - Cardiovascular	Neurohumoral and Molecular Mechanisms in Cardiomyopathies	Junior Mentor	0	0	0	3	0	0
Saha, Punam	PhD	Prof.	Electrical and Computer Engineering	Osteoporosis and Lung Disease	Mentor	3	11	11	0	10	9
Samaniego, Edgar	MD	Assoc. Prof.	Neurology	Aneurysm, Intracranial Atherosclerosis	Secondary Mentor	6	0	0	0	3	0
Santillan, Mark	MD, PhD	Assoc. Prof.	Obstetrics & Gynecology	Hypertensive disorders of pregnancy	Junior Mentor	3	2	0	4	3	1
Sinn, Patrick	PhD	Prof.	Pediatrics - Pulmonary	Cystic fibrosis gene therapy, infectious diseases	Mentor	2	2	2	2	2	2
Song, Long-Sheng	MD	Prof.	Internal Medicine - Cardiovascular	Cardiac calcium signaling	Mentor	2	6	0	1	7	6
Staber, Janice	MD	Assoc. Prof.	Pediatrics - Hematology	Coagulation disorders and gene transfer	Mentor	4	10	2	2	6	4
Stoltz, David	MD, PhD	Prof.	Internal Medicine- Pulmonary	Pulmonary diseases and lung infections	Mentor	1	3	3	1	1	1
Thiel, William	PhD	Asst. Prof.	Internal Medicine - Cardiovascular	Cell-specific ligands to study/treat cardiovascular disease	Junior Mentor	0	0	0	1	0	0
Wei, Shunguang	Ph.D.	Asst. Prof.	Internal Medicine - Cardiovascular	Neural control of autonomic regulation in cardiovascular disease	Mentor	2	2	1	2	3	2

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Welsh, Michael J	MD	Prof.	Internal Medicine-Pulmonary	Cystic Fibrosis and lung biology	Mentor	2	5	5	2	13	13
Whitaker, Kara Marie	PhD	Asst. Prof.	Health and Human Physiology	Cardiometabolic risk factors and maternal interventions	Junior Mentor	2	2	2	1	1	1
Yang, Ling	PhD	Assoc. Prof.	Anatomy & Cell Biology	Organelle stress and autophagy in obesityassociated thrombosis	Mentor	2	0	0	2	1	1
Zabner, Joseph	MD, PhD	Prof. and Director	Internal Medicine-Pulmonary	Gene transfer for cystic fibrosis, fluid composition of the airway surface liquid	Mentor	1	6	5	0	19	13