

Participating Faculty Mentors

OMB Number 0925-0001 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

Faculty Mentor	Primary Department or Program	Research Interest	Email
Ahmad, Aftab, PhD	Anesthesiology	Role of extracellular RNA in Acute Lung Injury	aftabahmad@uabmc.edu
Matalon, Sadis, PhD	Anesthesiology	Free radical protection from and exacerbation of lung injury	smatalon@uabmc.edu
Jun, Ho-Wook, PhD	Biomedical Engineering	Nanostructured Biomaterials	hwjun@uab.edu
Rogers, Jack M, PhD	Biomedical Engineering	Experimental and theoretical study of the mechanisms of cardiac arrhythmias	jrogers@uab.edu
Bamman, Marcos M, PhD	Cell, Developmental and Integrative Biology	Skeletal muscle mass regulation in aging, disease, and exercise medicine	mbamman@uab.edu
Smith, Peter R, PhD	Cell, Developmental and Integrative Biology	Role of membrane cytoskeleton in regulating cell surface expression of epithelial transport proteins	prsmith@uab.edu
Wang, Henry E, MD, MS	Emergency Medicine	Resuscitation Outcomes	hwang@uabmc.edu
Muntner, Paul, PhD	Epidemiology	Statins and blood pressure	pmuntner@uab.edu
Waterbor, John W, MD, DrPH	Epidemiology	Cancer epidemiology and control	h2obor@uab.edu
Agarwal, Anupam, MD	Medicine	Regulation of heme oxygenase gene expression in kidney and vascular injury	aagarwal@uabmc.edu
Antony, Veena B, MD	Medicine	Cystic fibrosis	vantony@uab.edu
Blalock, J E, PhD	Medicine	Rational Drug and Vaccine Design/Neutrophilic Inflammation	jeblalock@uabmc.edu
Calhoun, David A, MD	Medicine	Mechanisms of resistant hypertension	dacalhoun@uabmc.edu
Chen, Yiu-Fai, PhD	Medicine	Targeted Delivery of Endothelial Cells for the Repair of Cardiovascular Injury	ychen@uabmc.edu

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Dell'Italia, Louis J, MD	Medicine	Mechanisms of Remodeling of the Heart in Heart Failure	loudell@uab.edu
Deshane, Jessie S, PhD	Medicine	Myeloid-derived regulatory cells and their immunoregulatory roles in chronic inflammatory lung disease	jessydesbane@uabmc.edu
Ding, Qiang, PhD	Medicine	Molecular mechanisms of organ fibrosis	qiangding@uabmc.edu
Gaggar, Amit, MD/PhD, MPH	Medicine	Cystic Fibrotic Lung Disease, Proteases in Lung Transplantation	agaggar1@uabmc.edu
Halade, Ganesh, PhD	Medicine	Cardiac Remodeling in the Setting of Obesity following Myocardial Infarction and Resolution of Inflammation	ganeshhalade@uabmc.edu
Huke, Sabine, PhD	Medicine	Novel mechanisms of arrhythmias	hukes@uab.edu
Kim, Jeonga, PhD	Medicine	Cross-talk between inflammation and insulin signaling	jeongakim@uabmc.edu
Kimberly, Robert P, MD	Medicine	Use of molecular immunology and immunogenetics to identify susceptibility and severity factors for human autoimmune disease	rkimberly@uabmc.edu
Mannon, Peter, MD, MPH	Medicine	Biology of the interaction between peptide YY and the neuropeptide YY 1 receptor in gut mucosal epithelium and brain	pmannon@uabmc.edu
Oparil, Suzanne, MD	Medicine	Role of inflammation in vascular injury and repair	soparil@uabmc.edu
Pollock, Jennifer S, PhD	Medicine	Endothelin and nitric oxide regulation of sodium excretion and salt-sensitive hypertension	jenniferpollock@uabmc.edu
Prabhu, Sumanth D, MD	Medicine	Mechanisms of cardiac remodeling and repair in heart failure	sprabhu@uab.edu
Randall, Troy D, PhD	Medicine	Pulmonary immunity to viruses, tumors and allergens	troyrandall@uabmc.edu
Rowe, Steven M, MD, MSPH	Medicine	Cystic fibrosis clinical and translational research	srowe@uabmc.edu

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Shikany, James M, DrPH, PA-C	Medicine	Diet and the epidemiology and prevention of chronic disease	jshikany@uabmc.edu
Steele, Claude (Chad) H., PhD	Medicine	Innate and adaptive immune responses to fungal pathogens of the lung	chadsteele@uabmc.edu
Thannickal, Victor J, MD	Medicine	Cellular and molecular mechanism of lung repair and regeneration	vthannickal@uabmc.edu
Van Wagoner, Nicholas J, MD, PhD	Medicine	Sexually transmitted infections	nvw@uab.edu
Young, Martin E, DPhil	Medicine	Interrelationship between cardiac metabolism and contractility	meyoung@uab.edu
Hu, Hui, PhD	Microbiology	Transcriptional Regulation of Adaptive Immunity	huihu@uab.edu
Steyn, Andries J, PhD	Microbiology	Mechanism of mycobacterium tuberculosis virulence	asteyn@uab.edu
Day, Jeremy J, PhD	Neurobiology	Neurobiology of motivated and learned behaviors	jjday@uab.edu
Floyd, Candace L, PhD	Neurobiology	Neuronal-Glial Interactions in Traumatic Brain and Spinal Cord Injury	clfloyd@uab.edu
Herskowitz, Jeremy H, PhD	Neurology	Neurobiology of Alzheimer's Disease	jhersko@uab.edu
Limdi, Nita A, PhD, PharmD, MSPH	Neurology	Pharmacogenetics of drug response	nlimdi@uab.edu
Garvey, W. Timothy, MD	Nutrition Sciences	Molecular and physiological pathogenesis of human insulin resistance	garveyt@uab.edu
Nagareddy, Prabhakara R, PhD	Nutrition Sciences	Regulation of myelopoiesis in diabetes and cardiovascular disease	pnreddy@uab.edu
Huh, Warner K, MD	OB/GYN	Gynecologic oncology and cancer vaccines	whuh@uabmc.edu
Leath, Charles A, MD, MSPH	OB/GYN	Ovarian cancer	cleath@uabmc.edu
Owsley, Cynthia, PhD, MSPH	Ophthalmology	Early markers of age-related maculopathy (ARM)	cynthiaowsley@uabmc.edu

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Warram, Jason M, MD	Otolaryngology	Image guided surgery and cancer imaging	mojack@uab.edu
Woodworth, Bradford A, MD	Otolaryngology	Pathophysiologic Mechanisms in Chronic Rhinosinusitis	bwoodwo@uab.edu
Chatham, John C, DPhil	Pathology	Cardiomyocyte function and survival in ischemia/reperfusion and the impact of diabetes	jchatham@uab.edu
Chen, Yabing, PhD, MBA	Pathology	Gene Regulation and Function in the Pathogenesis of Disease	yabingchen@uabmc.edu
Hel, Zdenek, PhD	Pathology	Immunology and pathogenesis of HIV-1 / AIDS	zdenekhel@uabmc.edu
Lorenz, Robinna G, MD/PhD	Pathology	Mucosal immunology	rlorenz@uabmc.edu
Namakkal Soorappan, Rajasekaran, PhD	Pathology	Nrf2/Keap1 dependent mechanisms for reductive stress	rainsr@uabmc.edu
Wende, Adam R, PhD	Pathology	Mechanisms of glucose mediated regulation of cardiac mitochondrial function	arwende@uab.edu
Ambalavanan, Namasivayam, MD	Pediatrics	Neonatal lung development and Bronchopulmonary Dysplasia	NAmbalavanan@peds.uab.edu
Boppana, Suresh B, MD	Pediatrics	Pathogenesis of maternal and congenital CMV infections	sboppana@peds.uab.edu
Kong, Michele, MD	Pediatrics	Respiratory Distress	mkong@peds.uab.edu
Tipple, Trent, MD	Pediatrics	Bronchopulmonary dysplasia in preterm infants	ttipple@peds.uab.edu
Shelton, Richard C, MD	Psychiatry and Behavioral Neurobiology	Mood disorders	rshelton@uab.edu
Chen, Herbert, MD	Surgery	Thyroid, Parathyroid, Oncology, endocrine surgery	hchen@uabmc.edu
Eckhoff, Devin E, MD	Surgery	Thymoglobulin Induction Therapy with a Calcineurin-Inhibitor Sparing Regimen in Liver Transplant Patients	deckhoff@uabmc.edu

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George, James F, PhD	Surgery	Immune regulation of post-transplant vascular disease and allograft rejection	jfgeorge@uabmc.edu
Kerby, Jeffrey D, MD/PhD	Surgery	Resuscitation Outcomes	jkerby@uabmc.edu
Martin, Colin A, MD	Surgery	Pediatric gastrointestinal, neonatal and thoracic surgery	cmartin7@uab.edu
Sincich, Lawrence C, PhD	Vision Sciences	Functional organization of retina and visual cortex	sincich@uab.edu