Department of Medicine

Duke University School of Medicine

Department of Medicine faculty with current grants from R & K mechanisms as of May 2022

,	li current grants ironi k & k mecha			
Investigator	Division	Project		Grant
Gerald S. Bloomfield	Cardiology	Pathways to cardiovascular disease prevention and impact of specialty referral in under-represented racial/ethnic minorities with HIV	R01	
Gerald S. Bloomfield	Cardiology	Epidemiologic Determinants of Cardiac Structure and Function in Rural Residents: RURAL ECHO	R01	
Gerald S. Bloomfield	Cardiology	Proteomic Profiles and Cardiac Dysfunction in Children and Adolescents with HIV	R56	
Velissa A. Daubert	Cardiology	Coronary Artery Calcium in the PRagmatic EValuation of evENTs And Benefits of Lipid lowering in the Elderly: CAC PREVENTABLE Ancillary Study	R01	
Marat Fudim	Cardiology	Congestion Phenotypes and Splanchnic Nerve Modulation in Chronic Heart Failure	K23	
Geoffrey S. Ginsburg	Cardiology	NHGRI Research Training and Career Development Annual Meeting	R13	
Michael D. Gunn	Cardiology	Generation of antibodies specific for optimal non-HRP2 malaria diagnostic antigens	R21	
Christopher Holley	Cardiology	SnoRNA-guided modifications of mRNA	R01	
Christopher Holley	Cardiology	The Role of RNA Modifications in Heart Failure	R01	
Larry R. Jackson	Cardiology	Shared Decision-Making to Reduce Racial Disparities in Oral Anticoagulation Use in Patients with Non-Valvular Atrial Fibrillation	K01	
Ravi Karra	Cardiology	Myovascular Mechanisms of Cardiac Growth and Regeneration	R01	
Christopher Kontos	Cardiology	Mechanisms Regulating Vascular Homeostasis	R01	
William E. Kraus	Cardiology	Skeletal Muscle Molecular Drug Targets for Exercise-induced Cardiometabolic Health	R01	
William E. Kraus	Cardiology	Exercise-induced Legacy Health Benefits on Cardiometabolic Risk Factors in Aging Adults with Prediabetes	R21	
Robert J. Lefkowitz	Cardiology	Molecular Regulation of Cardiovascular 7 TM Receptors	R01	
Yongmei Liu	Cardiology	Obesity-Related Epigenetic Changes and Type-2 Diabetes	R01	
Yongmei Liu	Cardiology	A Longitudinal Epigenetic Study of Atherosclerosis	R01	
Robert W. McGarrah III	Cardiology	The Branched Chain Ketoacid Dehydrogenase Kinase-Phosphatase System as a New Regulatory Node in Myocardial Fuel Section	K08	
Manesh R. Patel	Cardiology	BEST-VIVA Registry (vCLI)	R01	
Sudarshan Rajagopal	Cardiology	Biasing CXCR3 Signaling to Modulate the Inflammatory Response	R01	
Sudarshan Rajagopal	Cardiology	Xenon MRI in Pulmonary Hypertension	R01	
Howard A. Rockman	Cardiology	Mechanisms of Maladaptation in Heart Failure	R01	
Paul B. Rosenberg	Cardiology	STIM1 and metabolic flexibility	R01	
Svati H. Shah	Cardiology	Clinical and Molecular Epidemiology of High Risk Coronary Plaque	R01	
Svati H. Shah	Cardiology	Inflammatory and Metabolic Biomarkers in Cardiovascular Complications with SARS-CoV-2	R21	
Svati H. Shah	Cardiology	Immunogenetic Profiling for Risk of Primary Graft Dysfunction after Heart Transplantation	R21	
Sudha Shenoy	Cardiology	Regulation of Vascular Inflammatory Signaling by the Deubiquitinase USP20	R01	
Sudha Shenoy	Cardiology	Regulation of myocardial GPCRs by USP20 in normal and hypertrophied heart	R01	
Monique L. Starks	Cardiology	Evaluation of the Requirements and Critical Features of a Drone-Deployed AED Network to Improve Community-Level Survival after OHCA	K23	
Jonathan A. Stiber	Cardiology	Anti-Atherogenic Mechanisms of Drebrin	R01	
Yubin Kang	Cell Therapy	Enhancing CAR T therapy in multiple myeloma	R21	
Stefanie Sarantopoulos	Cell Therapy	Pathological B Cells: Novel Strategies to Prevent and Treat Chronic GVHD	R01	
Dorothy Sipkins	Cell Therapy	Defining the Rules of Breast Cancer Cell Traffic Through Bone	R01	
Dorothy Sipkins	Cell Therapy	Defining and targeting a novel pathway for central nervous system leptomeningeal metastasis	R01	
Dorothy Sipkins	Cell Therapy	Novel use of PI3k inhibition to prevent recurrence of B-cell acute lymphoblastic leukemia	R21	
Anthony D. Sung	Cell Therapy	Home-based Autologous Hematopoietic Stem Cell Transplantation to Improve Outcomes and Decrease Costs	R01	
Anthony D. Sung	Cell Therapy	Prebiotics to Optimize the Microbiota and Improve Outcomes of Allogeneic Hematopoietic Stem Cell Transplantation	R01	
Anthony D. Sung	Cell Therapy	Hematopoietic Stem Cell Transplantation Combined with CSF1 Inhibition to Attenuate the Pathogenesis of Alzheimer's Disease	R03	
S. Munir Alam	DHVI	Antigen recognition and activation of B-cell receptors of HIV-1 broadly neutralizing antibodies	R01	
Mihai L. Azoitei	DHVI	Novel Immunogens to Elicit Broadly Cross-reactive Antibodies That Target the Hemagglutinin Head Trimer Interface	R01	
Jonathan Campbell	Endocrinology	Mechanisms of insulin secretion mediated by alpha cells	R01	
Mark Herman	Endocrinology	The Role of ChREBP in Fructose Induced Metabolic Disease	R01	
Matthew D. Hirschey	Endocrinology	Studies on the Mechanisms by which SIRTS Regulates Aging and Disease	R01	
Matthew D. Hirschey	Endocrinology	Post-Translational and Epigenetic Control of Branched-Chain Amino Acid Metabolism	R01	
Richard H. Lee	Endocrinology	Metabolomic & Radiographic Markers of Fracture Risk Among Older Adults with Diabetes	K23	
Deborah Muoio Deborah Muoio	Endocrinology	Mechanisms of lipid-induced bioenergetic stress in muscle	R01 R01	
	Endocrinology	Novel roles of PDK4 in regulating mitochondrial protein phosphorylation, carbon flux and metabolic resilience	R01	
Diego Bohorquez	Gastroenterology	Glutamatergic neurotransmission in gut neuropod cells	R01	
Diego Bohorquez	Gastroenterology	The efferent synapse in entercondocrine cells		
Anna Mae Diehl	Gastroenterology	TNF Alpha and Recovery from Alcoholic Liver Injury	R01 R01	
Anna Mae Diehl	Gastroenterology	Hedgehog Signaling and Adult Liver Regeneration The role of gastrin in esophageal submucosal gland acinar ductal metaplasia		
Katherine Garman	Gastroenterology		R01 R01	
Rodger A. Liddle	Gastroenterology Gastroenterology	Mechanisms of mechanically-induced acute pancreatitis Mechanisms of Pancreatic Fibrosis	R01	
Rodger A. Liddle Rodger A. Liddle			R01	
	Gastroenterology	Metabolic regulation of pancreatilities	R21	
Jatin Roper	Gastroenterology	Inhibition of CaMKk2 sensitizes rectal cancers to radiation therapy		
Jatin Roper	Gastroenterology	Ultra-bright fluorescent nanoparticles for colorectal adenoma detection	R21	
Keisha Bentley-Edwards	General Internal Medicine	Religion, Spirituality and CVD Risks: A Focus on African Americans	R01	
Nrupen Bhavsar	General Internal Medicine	Addressing Bias from Missing Data in EHR Based Studies of CVD	K01 K01	
Nicole Depasquale	General Internal Medicine	Supporting Patients and Family Care Partners to Manage Chronic Kidney Disease Together		
Susanne B. Haga Nia Mitchell	General Internal Medicine General Internal Medicine	Preparing Genetic Counselors for Genomic Medicine Research Changes in Weight and Physical Function for Older African American Women in National, Peer-Led, Community-Based Weight Loss Program	R25 R01	
Lori A. Orlando	General Internal Medicine		R01	
Christopher B. Bowling	General Internal Medicine Geriatrics	Deploying a genomic-medicine risk assessment model for diverse primary care populations and settings Functional Limitations and Disability Among Middle-Aged Adults	R01	
Christopher B. Bowling	Geriatrics	Sustained blood pressure control and progression of multimorbidity	R01	
Daniel Parker	Geriatrics	Healthy Skeletal Muscle, Healthy Brain: Are Kynurenine Metabolites the Link?	R01	
Juliessa M. Pavon	Geriatrics	Deprescribing Central Nervous System Medications in Hospitalized Older Adults	K23	
Gregory A. Taylor	Geriatrics	Role of IRGM proteins in immunity to enteric bacteria	R01	
Gregory A. Taylor	Geriatrics	IRGM proteins as regulators of inflammation	R01	
Gowthami Arepally	Hematology	Complement and Thrombosis in HIT	R01	
Gownami Arepairy Grace M. Lee	Hematology	Variability in neutrophil activation	R01	
Grace M. Lee	Hematology	variability in reduciprin advation	R21	
	Hematology	The AMPK/ULK1/p27Kip1 axis regulates autophagy and cell survival in aged satellite cells	K01	
James White			R21	
James White	0,	Assessing healthspan and epigenetics in aged mice after prolonged exposure to young circulation	1.0001	
James White	Hematology	Assessing healthspan and epigenetics in aged mice after prolonged exposure to young circulation Coordinated Regulation of Virulence Genes in C. neoformans	R01	
James White Andrew Alspaugh	Hematology Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans	R01 R01	
James White Andrew Alspaugh Andrew Alspaugh	Hematology Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast	R01	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh	Hematology Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence	R01 R21	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbu	R01 R21 K08	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the interplay between local viral infection and local inflammation in COVID-19 kidney injury	R01 R21 K08 R01	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Maria Blasi	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs	R01 R21 K08 R01 R56	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Maria Blasi Vivian H. Chu	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbu Understanding the interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER)	R01 R21 K08 R01 R56 R25	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Waria Blasi Vivian H. Chu Vance G. Fowler	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the Interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility	R01 R21 K08 R01 R56 R25 R01	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Maria Blasi Vivian H. Chu Vance G. Fowler Feng Gao	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility Dissection of polyreactivity and neutralization activity of HIV-1 Abs	R01 R21 K08 R01 R56 R25 R01 R01	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Maria Blasi Vivian H. Chu Viane G. Fowler Feng Gao Thuy Le	Hematology Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility Dissection of polyreactivity and neutralization activity of HIV-1 Abs Making an early diagnosis of talaromycosis - an approach to reduce morbidity and mortality in advanced HIV disease in Southeast Asia	R01 R21 K08 R01 R56 R25 R01 R01 R01	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Wivian H. Chu Vance G. Fowler Feng Gao Thuy Le Thuy Le	Hematology Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility Dissection of polyreactivity and neutralization activity of HIV-1 Abs Making an early diagnosis of talaromycosis - an approach to reduce morbidity and mortality in advanced HIV disease in Southeast Asia Mapping of the IgM and IgG antibody responses to Talaromyces marmeffel infection in mice and humans - Deciphering acute from reactivated or latent infe	R01 R21 K08 R01 R56 R25 R01 R01 R01 R01 R01	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Waria Blasi Vivian H. Chu Vance G. Fowler Feng Gao Thuy Le Thuy Le Susanna Naggie	Hematology Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbu Understanding the Interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility Dissection of polyreactivity and neutralization activity of HIV-1 Abs Making an early diagnosis of talaromycosis - an approach to reduce morbidity and mortality in advanced HIV disease in Southeast Asia Mapping of the IgM and IgG antibody responses to Talaromyces mameffei infection in mice and humans - Deciphering acute from reactivated or latent infe Identification of Novel Bioactive Lipid Metabolites for Predicting Liver-related Outcomes in Persons Co-Infected with HIV and HCV	R01 R21 K08 R01 R56 R25 R01 R01 R01 R01 R21 R01	
James White Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Maria Blasi Vivian H. Chu Vance G. Fowler Feng Gao Thuy Le Thuy Le Susanna Naggie Nwora L. Okeke	Hematology Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbi Understanding the Interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility Dissection of polyreactivity and neutralization activity of HIV-1 Abs Making an early diagnosis of talaromycosis - an approach to reduce morbidity and mortality in advanced HIV disease in Southeast Asia Mapping of the IgM and IgG antibody responses to Talaromyces marneffei infection in mice and humans - Deciphering acute from reactivated or latent infe Identification of Novel Bioactive Lipid Metabolites for Predicting Liver-related Outcomes in Persons Co-Infected with HIV and HCV A Clinic-Based Behavioral Intervention to Reduce Cardiovascular Disease Risk in Persons Living with HIV	R01 R21 K08 R01 R56 R25 R01 R01 R01 R01 R01 K23	
James White Andrew Alspaugh Andrew Alspaugh Andrew Alspaugh Arthur W. Baker Maria Blasi Waria Blasi Vivian H. Chu Vance G. Fowler Feng Gao Thuy Le Thuy Le Susanna Naggie	Hematology Infectious Diseases Infectious Diseases	Coordinated Regulation of Virulence Genes in C. neoformans Metal Homeostasis in Yeast Arrestin proteins mediate microbial cellular adaptation and fungal virulence Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbu Understanding the Interplay between local viral infection and local inflammation in COVID-19 kidney injury Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs Bridging the Gap to Enhance Clinical Research Program (BIGGER) HLA Fine Mapping to Elucidate S. aureus Susceptibility Dissection of polyreactivity and neutralization activity of HIV-1 Abs Making an early diagnosis of talaromycosis - an approach to reduce morbidity and mortality in advanced HIV disease in Southeast Asia Mapping of the IgM and IgG antibody responses to Talaromyces mameffei infection in mice and humans - Deciphering acute from reactivated or latent infe Identification of Novel Bioactive Lipid Metabolites for Predicting Liver-related Outcomes in Persons Co-Infected with HIV and HCV	R01 R21 K08 R01 R56 R25 R01 R01 R01 R01 R21 R01	

Matthew Rubach	Infectious Diseases	Sepsis Characterization in Kilimanjaro	R01
Steve Taylor	Infectious Diseases	Malaria chemoprevention in children with sickle cell anemia in Western Kenya	R01
Steve Taylor	Infectious Diseases	Longitudinal cohort study of SARS-CoV2 sero-conversion in a malaria-endemic community in Western Kenya	R21
Allison E. Ashley-Koch	Nephrology	Identifying novel clinical, genetic and proteomic risk factors for sickle cell nephropathy.	R21
Steven D. Crowley	Nephrology	The interleukin-1 receptor regulates crosstalk between myeloid and renal tubular cells in hypertension	R01
Daniel Edmonston	Nephrology	Novel Mechanisms and Therapeutic Targets for Pulmonary Hypertension in End-Stage Renal Disease (K23)	K23
Mary H. Foster	Nephrology	Gene-Environment Collaboration in Autoimmune Disease	R01
Gentzon Hall	Nephrology	The Role of Interleukin-15 Receptor-alpha Variants in the Pathogenesis of FSGS	K08
Rasheeda K. Hall	Nephrology	Deprescribing for Older Dialysis Patients	K76
Xunrong Luo	Nephrology	Donor Kidney Resident Macrophages in Kidney Allograft Early Inflammation and Alloimmunity	R01
Opeyemi A. Olabisi	Nephrology	JAK-STAT Inhibition to Reduce Racial Disparities in Kidney Disease	R01
Tomokazu Souma	Nephrology	Targeting Renal Tubular Epithelial Progenitors in AKI to CKD transition	R01
Laura P. Svetkey	Nephrology	Duke CTSA (KL2)	KL2
Crystal C. Tyson	Nephrology	Diet and Hypertension Management in Chronic Kidney Disease	K01
Christina M. Wyatt	Nephrology	Impact of early antiretroviral therapy on kidney disease outcomes	R01
Andrew Armstrong	Oncology	Targeting convergent oncogenic signaling during AR inhibition to overcome metastasis and immune evasion in prostate cancer	R01
Gerard C. Blobe	Oncology	Role of ALK4 in Regulating Receptor Trafficking and Pancreatic Cancer Biology	R01
Gerard C. Blobe	Oncology	Role for TbetaRIII Shedding in the Tumor Microenvironment	R01
Brent A. Hanks	Oncology	Role of the tumor NLRP3 inflammasome in the generation of anti-PD-1 antibody immunotherapy-associated toxicities	R01
Brent A. Hanks	Oncology	Investigating the PD-L1:NLRP3 signaling axis as a tumor intrinsic mechanism of adaptive resistance to anti-PD-1 antibody immunotherapy	R37
Shiaowen D. Hsu	Oncology	Microfluidic Droplet Organoids to Decipher the Tumor Heterogeneity in CRC of African Ancestry	R21
Kevin C. Oeffinger	Oncology	EMPOWER Study: Promoting BC Screening in Women Who Survived Childhood Cancer	R01
Steven Patierno	Oncology	Race-Related Alternative Splicing: Novel Targets in Prostate Cancer	R01
Christopher Cox	Pulmonary	PCplanner	R01
Christopher Cox	Pulmonary	LIFT2	R01
Matthew W. Foster	Pulmonary	Multiomic, mass spectrometry-based analysis of dried blood for deep phenotyping of sepsis	R21
Zachary R. Healy	Pulmonary	Characterization of CMV-specific T cell responses in immunocompromised hosts	K99
Jennifer L. Ingram	Pulmonary	Mechanisms that Direct Airway Remodeling in Obese Asthma	R01
Jennifer L. Ingram	Pulmonary	Matrix Metalloproteinase-19 as a Mediator of Airway Fibrosis in Obese Allergic Asthma	R21
Patty Lee	Pulmonary	TLR4-MEDIATED EPIGENETIC AND SENESCENCE MECHANISMS IN EMPHYSEMA	R01
David M. Murdoch	Pulmonary	Magnetically directed single cell transcriptome analysis in HIV latency	R01
David M. Murdoch	Pulmonary	Pathogenesis of Neuroinflammation and Neurocognitive Impairment In HIV-infected Young Adult Cannabis Users	R01
Scott M. Palmer	Pulmonary	Proof of concept treatment interventions in a rodent model of the rare disease bronchiolitis obliterans	R21
Scott M. Palmer	Pulmonary	Duke Resident Physician-Scientist Program- NIAID	R38
Claude A. Piantadosi	Pulmonary	Mitochondrial quality control and alveolar damage resolution after acute lung injury	R01
Loretta Que	Pulmonary	Oxidative Stress and Regional Airway Remodeling and Fibrosis in Obese Asthma	R01
Isaretta L. Riley	Pulmonary	Coping with Asthma through Life Management (CALM)	K01
Robert M. Tighe	Pulmonary	CXCL10/CXCR3 regulation of ozone-induced epithelial permeability	R01
Brian Andonian	Rheumatology	Accelerated Metabolic Aging in Rheumatoid Arthritis Immune cells and Skeletal Muscle: A Pilot Study	R03
Kim M. Huffman	Rheumatology	Weight loss and exercise to improve rheumatoil arthritis cardiovascular risk	R21
Kim M. Huffman	Rheumatology	ENHANCING THE CALERIE NETWORK TO ADVANCE AGING BIOLOGY	R33
Virginia B. Kraus	Rheumatology	Epigenetic Mechanisms Promoting Longevity	R01
Virginia B. Kraus	Rheumatology	Experience incontants i romany Europenty Extracellular Vesicle Analyses to Develop Aging and Resilience Biomarkers	R01