Department of Medicine

Duke University School of Medicine

Department of Medicine faculty with current grants from R & K mechanisms as of December 2021.

In contract on the second	Districtor	Professional Activity of the International Activity of the Interna	0
Investigator Gerald S. Bloomfield	Division	Project Pathways to cardiovascular disease prevention and impact of specialty referral in under-represented racial/ethnic minorities with HIV	Grant R01
Melissa A. Daubert	Cardiology		R01
Geoffrey S. Ginsburg	Cardiology		R13
Michael D. Gunn	Cardiology		R21
Christopher Holley	Cardiology		R01
Christopher Holley Christopher Kontos	Cardiology Cardiology	The Role of RNA Modifications in Heart Failure Mechanisms Regulating Vascular Homeostasis	R01 R01
William E. Kraus	Cardiology		R01
Robert J. Lefkowitz	Cardiology	Molecular Regulation of Cardiovascular 7 TM Receptors	R01
Yongmei Liu	Cardiology		R01
Yongmei Liu	Cardiology		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 Sudarshan Rajagopal	Cardiology Cardiology	BEST-VIVA Registry (vCLI) Biasing CXCR3 Signaling to Modulate the Inflammatory Response	R01 R01
Sudarshan Rajagopal	Cardiology		R01
Howard A. Rockman	Cardiology		R01
Paul B. Rosenberg	Cardiology		R01
Svati H. Shah	Cardiology		R01
Svati H. Shah Svati H. Shah	Cardiology Cardiology		R21 R21
Sudha Shenov	Cardiology		R01
Sudha Shenoy	Cardiology		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		R01
S. Munir Alam	DHVI		R01
Mihai L. Azoitei Jonathan Campbell	DHVI Endocrinology		R01 R01
Jonathan Campbell	Endocrinology		R01
Mark Herman	Endocrinology	The Role of ChREBP in Fructose Induced Metabolic Disease	R01
Matthew D. Hirschey	Endocrinology	Studies on the Mechanisms by which SIRT5 Regulates Aging and Disease	R01
Matthew D. Hirschey	Endocrinology	Post-Translational and Epigenetic Control of Branched-Chain Amino Acid Metabolism	R01
Richard H. Lee Deborah Muoio	Endocrinology Endocrinology	Metabolomic & Radiographic Markers of Fracture Risk Among Older Adults with Diabetes Mechanisms of lipid-induced bioenergetic stress in muscle	K23 R01
Diego Bohorquez	Gastroenterology	mechanisms or lipo-induced bicenergetic stress in muscle Glutamatergic neurotransmission in gut neuropod cells	R01
Diego Bohorquez	Gastroenterology		R21
Anna Mae Diehl	Gastroenterology	TNF Alpha and Recovery from Alcoholic Liver Injury	R01
Anna Mae Diehl	Gastroenterology	Hedgehog Signaling and Adult Liver Regeneration	R01
Katherine Garman	Gastroenterology		R01
Rodger A. Liddle Rodger A. Liddle	Gastroenterology Gastroenterology		R01 R01
Rodger A. Liddle	Gastroenterology		R01
Jatin Roper	Gastroenterology		R21
Jatin Roper	Gastroenterology		R21
Keisha Bentley-Edwards	General Internal Medicine		R01
Nrupen Bhavsar	General Internal Medicine		K01
Nicole Depasquale Susanne B. Haga	General Internal Medicine General Internal Medicine		K01 R25
Nia Mitchell	General Internal Medicine		R01
Lori A. Orlando	General Internal Medicine	Deploying a genomic-medicine risk assessment model for diverse primary care populations and settings	R01
Christopher B. Bowling	Geriatrics	Functional Limitations and Disability Among Middle-Aged Adults	R01
Christopher B. Bowling	Geriatrics		R01
Daniel Parker	Geriatrics	Healthy Skeletal Muscle, Healthy Brain: Are Kynurenine Metabolites the Link?	R03
Juliessa M. Pavon Patrick M. Sullivan	Geriatrics Geriatrics	Deprescribing Central Nervous System Medications in Hospitalized Older Adults A Novel Animal Model of Late Onset Alzheimer's Disease	K23 R21
Gregory A. Taylor	Geriatrics	A nover rulinia mode of Late music Azarbine s Disease Role of IRGM proteins in immunity to enteric bacteria Role of IRGM proteins in infimunity to enteric bacteria	R01
Gregory A. Taylor	Geriatrics		R01
Nelson J. Chao	Hematologic Malignancies and Cellular Therapy	Patient-centered home-based hematopoietic stem cell transplantation	R01
Yubin Kang	Hematologic Malignancies and Cellular Therapy	Effects of PPAR agonists on response to immunomodulatory agents in patients with multiple myeloma	R21
Stefanie Sarantopoulos	Hematologic Malignancies and Cellular Therapy	Pathological B Cells: Novel Strategies to Prevent and Treat Chronic GVHD	R01
Dorothy Sipkins Dorothy Sipkins	Hematologic Malignancies and Cellular Therapy Hematologic Malignancies and Cellular Therapy		R01 R01
Dorothy Sipkins	Hematologic Malignancies and Cellular Therapy		R21
Anthony D. Sung	Hematologic Malignancies and Cellular Therapy		R01
Anthony D. Sung	Hematologic Malignancies and Cellular Therapy		R01
Anthony D. Sung	Hematologic Malignancies and Cellular Therapy		R03
Anthony D. Sung Gowthami Arepally	Hematologic Malignancies and Cellular Therapy Hematology		R21 R01
Gowthami Arepally	Hematology		R01
Grace M. Lee	Hematology		R03
Grace M. Lee	Hematology	Neutrophil Activation Phenotypes in Healthy Subjects and Implications for Bacterial Clearance	R21
Charity Oyedeji	Hematology		R03
James White James White	Hematology		K01
James White Rahima Zennadi	Hematology Hematology		R21 R01
Andrew Alspaugh	Infectious Diseases		R01
Andrew Alspaugh	Infectious Diseases	Metal Homeostasis in Yeast	R01
Arthur W. Baker	Infectious Diseases	Combined Use of Statistical Process Control and Whole Genome Sequencing to Detect and Investigate Nontuberculous Mycobacterial Clusters and Outbreaks	K08
Maria Blasi	Infectious Diseases	Targeting the HIV-1 reservoir with a combination of an IDLV-SIVGag therapeutic vaccine and Fc-engineered bnAbs	R56
Vivian H. Chu Vance G. Fowler Jr.	Infectious Diseases	Bridging the Gap to Enhance Clinical Research Program (BIGGER) Mentoring Patient Oriented Research in Antibiotic-Resistant Bacteria	R25 K24
Vance G. Fowler	Infectious Diseases		R01
Feng Gao	Infectious Diseases	Dissection of polyreactivity and neutralization activity of HIV-1 Abs	R01
Thuy Le	Infectious Diseases	Making an early diagnosis of talaromycosis - an approach to reduce morbidity and mortality in advanced HIV disease in Southeast Asia	R01
Thuy Le	Infectious Diseases	Mapping of the IgM and IgG antibody responses to Talaromyces marneffei infection in mice and humans - Deciphering acute from reactivated or latent infections	R21
Susanna Naggie	Infectious Diseases	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
Nwora L. Okeke John Perfect	Infectious Diseases Infectious Diseases		K23 R01
Wendy A. Prudhomme - O'Meara	Infectious Diseases		R01
Wendy A. Prudhomme - O'Meara	Infectious Diseases	Once bitten: A longitudinal, observational study of successful malaria parasite transmission events between humans and mosquitos	R01
Matthew P. Rubach	Infectious Diseases	Viral Zoonoses and Severe Febrile Illness in Northern Tanzania	K23
Matthew Rubach	Infectious Diseases		R01
Steve Taylor L. Gayani Tillekeratne	Infectious Diseases Infectious Diseases		R01 K23
Andrew Armstrong	Medical Oncology		R01
Gerard C. Blobe	Medical Oncology		R01
Gerard C. Blobe	Medical Oncology	Role for TbetaRIII Shedding in the Tumor Microenvironment	R01
Brent A. Hanks	Medical Oncology		R01
Brent A. Hanks	Medical Oncology		R37
Kevin C. Oeffinger Kevin C. Oeffinger	Medical Oncology Medical Oncology		R01 R01
Steven Patierno	Medical Oncology		R01
Allison E. Ashley-Koch	Nephrology	Table Trade And	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 Gentzon Hall	Nephrology	Gene-Environment Collaboration in Autoimmune Disease The Role of Interleukin-15 Receptor-alpha Variants in the Pathogenesis of FSGS	R01
Gentzon Hall Rasheeda K. Hall	Nephrology Nephrology	The Role of Interleukin-15 Receptor-alpha Variants in the Pathogenesis of FSGS Deprescribing for Older Diaysis Patients	K08 K76
Xunrong Luo	Nephrology		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
Christopher Cox	Pulmonary	PCplanner	R01
Christopher Cox	Pulmonary	LIFT2	R01
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 rheumatoid 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	Extracellular Vesicle Analyses to Develop Aging and Resilience Biomarkers	R01