

2009 - DRTC Summer Medical Students

Name	Mentor	Department	Title of Project
Matt Burge	Henry E Wang, MD	Medicine	Reasons for hospital admission in the REGARDs study
Harrison Irons	W. Timothy Garvey, MD	Nutrition Sciences	Osteocalcin and its effects on metabolism
Ryan Nicholas Nolte	Shannon Bailey, PhD	Environmental Health Sciences	Hepatocyte bioenergetics in fatty liver disease
Mekeisha R. Pickens	Nefertiti Durant, MD	Ped-General Pediatrics	The effect of culturally-appropriate, technology-based intervention on the prevention of type II diabetes mellitus on young, African American women
Tyler Tate	Michael Mugavero, MD Michael Saag, MD James Willig, MD	Medicine	Temporal trends in obesity in an HIV clinic

2010 - DRTC Summer Medical Students

Name	Mentor	Department	Title of Project
Karen M Mai	W Timothy Garvey, MD	Nutrition Sciences	The effects of weight loss and toll-like receptor 5 on the metabolic syndrome
Angela Grochowsky	Nathaniel H Robin, MD	Clinical Genetics	Determination of the rate of Type 2 diabetes in obese Down syndrome individuals
Amanda Dinsmore	Gerald McGwin Jr, PhD	Epidemiology	Documentation of stage of retinopathy in patients with diabetes mellitus among primary eye care providers
Tadi Ciszak	Steven Lloyd, MD	Med-Cardiovascular Disease	Torsional proteins of left ventricular and the assessment of LV systolic and diastolic function in post-MI type 2 diabetes mellitus patients
Erica Wilson	Edmond Kabagambe, PhD	Epidemiology	Analysis of risk factors for diabetes during pregnancy in women at the Las Crucitas clinic in Tegucigalpa, Honduras

2011 - DRTC Summer Medical Students

Name	Mentor	Department	Title of Project
Breland, David M.	Grams, Jayleen M., MD	Surgery	Reasons for Loss to Follow-up Among Bariatric Surgery Patients
Kapadia, Akash A.	Hage, Fadi G, MD	Medicine	Estrogen Effects on C-Reactive protein-Mediated Inflammation are Age and Hormone-Status Dependent: Testing the Timing Hypothesis
Luke, Elizabeth W.	Safford, Monika M., MD	Medicine - Preventive Medicine	Perceptions of the Effects of a Peer-Delivered Diabetes Intervention on the Peers and Their Families
Richardson, Brittany S.	Cherrington, Andrea, MD, MPH	Medicine - Preventive Medicine	Linking Peer and Providers to Improve Care for African American Women in the Deep South
Sahinoglu, Efe	Oparil, Suzanne, MD	Physiology and Biophysics	Targeted Delivery of Endothelial Cells for the Repair of Cardiovascular

2012 - DRTC Summer Medical Students

Name	Mentor	Department	Title of Project
Richard Cockrum	Monika M. Safford, MD	Medicine – Preventive Medicine	Assessment of retention of Diabetes Mellitus knowledge gained among participants of the ENCOURAGE study.
Alex P. Cotter	Andrea Cherrington, MD	Medicine – Preventive Medicine	Analysis and Evaluation of My Diabetes Connection: a model for web based community support programs for diabetes patients.
Rene Kukkamalla	Gareth Dutton, PhD	Medicine – Preventive Medicine	Effect of Group Size on Weight Loss Intervention.
Kevin L. Brown	Shannon Bailey, PhD	Molecular and Cellular Pathology	Effect of nitrated fatty acids and rosiglitazone on liver and adipose in a model of alcoholic fatty liver disease.
Neeraj Sriram	Gary Hunter, PhD	Human Studies	Effects of exercise intensity on insulin sensitivity and weight regain in African American and European American premenopausal women following weight loss.
Leah R. Strickland	W. Timothy Garvey, MD	Nutrition Sciences	Evaluation of a Novel Subtype of Lipodystrophy.

2013 - DRC Summer Medical Students

Name	Mentor	Department	Title of Project
Divya A. Carrigan	Monika M. Safford, MD	Medicine – Preventive Medicine	Healthy Food Choices at the Dollar Tree: Feasible Dietary Advice for Low-Income, Rural Populations
Krysia L. Crabtree	Andrea Cherrington, MD	Medicine – Preventive Medicine	
Shima Dowla	Monika M. Safford, MD	Medicine – Preventive Medicine	Patterns of unhealthy eating: An analysis of dietary barriers in the Alabama black belt.
John Obert	Edgar Jaimes, MD	Medicine – Nephrology	The Role of α -7 Nicotinic Receptor in Nicotine Induced Kidney Damage in Diabetic Nephropathy
Bobbak R. Sistani	Edgar Jaimes, MD	Medicine – Nephrology	The Role of ETS-1 in Diabetes Mellitus
Andrew S. Wilson	Andrea Cherrington, MD	Medicine – Preventive Medicine	DRC Numeracy Profile

2014 - DRC Summer Medical Students

Name	Mentor	Department	Title of Project
Terrance T. Jones	Scott Ballinger, PhD	Molecular & Cellular Pathology	A New Metric to Evaluate Cardiovascular Disease Risk: Mitochondrial Quality
Morgan Leopard	Andrea Cherrington, MD	Medicine – Preventive Medicine	Social Determinants of Obesity in Hispanic Immigrant populations.
Mingchun Liu	Suzanne Oparil, MD	Medicine – Nephrology	Aldosterone Positively Correlated with Increasing Body Mass in Men More than Women with Resistance Hypertension
James Lyons	Fernando Ovalle, MD	Medicine –	The clinical and biochemical characterization of pancreatic diabetes.
Sarah Owens	Monika M. Safford, MD	Medicine – Preventive Medicine	The Outcomes and Influence of Focus Group Methodology on Diabetes Medication Adherence in a Rural Alabama African American Population
Emily Wesson	Monika M. Safford, MD	Medicine – Preventive Medicine	Semi-structured interviews with diabetic patients who report medication adherence

2015 - DRC Summer Medical Students

Name	Mentor	Department	Title of Project
Kristian T. Jones	Li Li, MD	Psychiatry – Adult	Emotional and physiological responses to acute psychological stress in individuals with insulin resistance
Anca Mirsu-Paun	Monika M. Safford, MD	Medicine – Preventive Medicine MT	Development of an Educational Video Focused on High Cholesterol Targeting Patients in Rural Alabama
Zobiya Momin	Stephanie Wallace, MD and Amy Warriner, MD will co-mentor	Dept. of Pediatrics - Div. of General Pediatrics and Adolescent Medicine / Dept. of Medicine - Endocrinology, Diabetes & Metabolism	Intellectual Disability and Severe Obesity in patients presenting for Multidisciplinary Clinic Evaluation
Lauren Elizabeth Nelson	Hussein Abdul-Latif, MD	Pediatric Endocrinology	Effect of insulin regimen changes on weight and body composition in children with Type 1 Diabetes
Marshall C. Pritchett	Andrea Cherrington, MD	Medicine – Preventive Medicine MT	Assessing the impact of stress and social support in a sample of low-income African Americans with type 2 diabetes.
Krishna M. Rajaram	Karthikeyan Lingasubramanian, PhD	Electrical and Computer Engineering BEC	Analysis of the Continuous Glucose Monitoring Data Between Diabetics and Non-Diabetics.
Janki S. Shah	Monika M. Safford, MD	Medicine – Preventive Medicine MT	Improving Medication Adherence using entertaining educational videos for low literacy populations in the Alabama Black Belt

2016 - DRC Summer Medical Students

Name	Mentor	Department	Title of Project
Joshua F. Bolanus	Andrea Cherrington, MD	Medicine – Preventive Medicine MT	TBD
Zachary H. Hughes	Fadi Hage, MD	Medicine-Cardiovascular Disease	Age Dependent Effects of Estradiol on Human Macrophages in Vascular Inflammation
Pegah Kannar	Scott Ballinger, PhD	Pathology-Molecular & Cellular	What role does mitochondrial DNA play in differential gene expression
Sung Lee	Martin Young, PhD	Medicine-Cardiovascular Disease	Effect of Circadian Rhythm on Proteasome Activity in Cardiomyocytes
Naishal Patel	W. Timothy Garvey, MD	Nutrition Sciences	Clinical Indicators of Insulin Resistance
Kevin Shrestha	Melanie Morris, MD	Surgery – General Surgery/ Gastrointestinal Section	Predictors of post-operative cardiac events (tentative)

2017 - DRC Summer Medical Students

Name	Mentor	Department	Title of Project
Arra, Meredith	Andrea Cherrington, MD	Medicine – Preventive Medicine MT	Understanding How Information Access Impacts Patient Perceptions of Diabetes
Griffin, Perry	Yarar-Fisher, Ceren, PhD and Smith, Daniel, PhD	Physical Medicine & Rehabilitation	Reduced Brown Adipose Tissue Function with Spinal Cord Injury.
Lindley, Gabrielle Kathleen	Willig, Amanda	Medicine – Infectious Diseases	Perceptions of Body Image & Preferences for Nutrition Services In African-American Women with HIV
Moore, Johnston L.	Pearce, Benjamin,	Surgery - Gen Surg	Impact of Diabetic Glycemic Control Modalities

	MD	Vascular Section	and HbA1c on Limb Salvage in Patients Undergoing Intervention
Nguyen, Jake	Grams, Jayleen M., MD, PhD	Surgery	High Resolution Manometry in Obese Population: Correlation Between BMI and Lower Esophageal Sphincter (LES) Pressure
Skeleton, Graham Scott	Tse, Hubert M., PhD	Microbiology	Avoidance of vascularization and immune response in islet encapsulation transplants
Thompson, Harrison	Shalev, Anath, MD	Medicine – Endocrinology	How does inhibition of TXNIP promote pancreatic β -cell regeneration?

2018 - DRC Summer Medical Students

Name	Mentor	Department	Title of Project
Baykal, Annah P	Chandler - Laney, Paula, PhD	Nutrition Sciences	Effects of Intrauterine Programming on Cardiometabolic Health: a study in Mother-Child Dyads
Harrison, Otis R.	Affuso, Olivia, PhD	Epidemiology	Physical Activity Promotion in African American Women-A Content Analysis
Matthews, Michael C.	Andrea Cherrington, PhD	Medicine – Preventive Medicine	Exploring the relationship of social support, depressive symptoms, and glycemic control in individuals with type 2 diabetes in rural populations
Nguyen, Diep	Li, Yi-Ping, PhD	Molecular & Cellular Pathology	Inhibiting Cathepsin K to reduce diabetes – enhanced bone loss and inflammation in osteoarthritis
Patel, Shivam V.	Pollock, David, PhD	Med - Nephrology	Influence of Endothelin and Nerves on Inflammation in the Kidney
Saavedra-Collado, Sofia M. F	Tse, Hubert M., PhD	Microbiology	Histology of Encapsulated and Non-Encapsulated Pancreatic Islet Anatomy Following Transplantation