



American Heart Association Awardees in Alpha Order by State

Last Update: August 2019

[SOUTH CAROLINA](#) • [SOUTH DAKOTA](#) • [TENNESSEE](#) • [TEXAS](#) • [UTAH](#) •
[VERMONT](#) • [VIRGINIA](#) • [WASHINGTON](#) • [WEST VIRGINIA](#) • [WISCONSIN](#) •
[WYOMING](#)

SOUTH CAROLINA

Nadia Al-Sammarraie, MB ChB, MS

Program Type: Predoctoral Fellowship Institution: University of South Carolina,
Columbia City: Columbia Project Title: Role of TGFbeta2 in cardiac outflow tract
formation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

SOUTH CAROLINA

Lilong Guo, MBBS, MS

Program Type: Predoctoral Fellowship Institution: Medical University of South Carolina
City: Charleston Project Title: Primary Cilia and Mitral Valve Prolapse Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

SOUTH CAROLINA

Abbi Lane-Cordova, PhD

Program Type: Career Development Award Institution: University of South Carolina,
Columbia City: Columbia Project Title: Renin angiotensin adosterone system
components and vascular function in women after an adverse pregnancy outcome
Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award
Amount: \$231,000

SOUTH CAROLINA

Josh Lipschutz, MD

Program Type: Collaborative Sciences Award Institution: Medical University of South
Carolina City: Charleston Project Title: Genetic and Molecular Determinants of Bicuspid
and Calcific Aortic Valve Disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020
Total Years: 3 Total Award Amount: \$200,000



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SOUTH CAROLINA

Roger Markwald, PhD

Program Type: Transformational Project Award Institution: Medical University of South Carolina City: Charleston Project Title: Turning mechanisms of heart development into remedial therapies for heart valvuloseptal defects Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

SOUTH CAROLINA

Russell Norris, PhD

Program Type: Collaborative Sciences Award Institution: Medical University of South Carolina City: Charleston Project Title: Genetic and Molecular Determinants of Bicuspid and Calcific Aortic Valve Disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$253,000

SOUTH CAROLINA

Russell Norris, PhD

Program Type: Transformational Project Award Institution: Medical University of South Carolina City: Charleston Project Title: Molecular and cellular causes of mitral valve prolapse Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

SOUTH CAROLINA

Elizabeth Regan, PT, BBA

Program Type: Predoctoral Fellowship Institution: University of South Carolina, Columbia City: Columbia Project Title: Integrating Stroke Survivors into Cardiac Rehabilitation Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

SOUTH CAROLINA

Will Richardson, BS, PhD

Program Type: Scientist Development Grant Institution: Clemson University City: Clemson Project Title: MECHANO-ADAPTIVE FIBROSIS SIGNALING FOR POST-INFARCT THERAPY Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$231,000

SOUTH CAROLINA

Takashi Sato, PhD

Program Type: Innovative Project Award Institution: Medical University of South Carolina City: Charleston Project Title: Neural circuit mechanisms underlying functional recovery following stroke Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000



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SOUTH CAROLINA

Mohamad Mahdi Sleiman, BS

Program Type: Predoctoral Fellowship Institution: Medical University of South Carolina
City: Charleston Project Title: Strategies to Improve Early Injury and Promote Long Term
Tolerance post Cardiac Transplants Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$53,688

SOUTH CAROLINA

Francis Spinale, PhD, MD

Program Type: Medical Student Research Fellowship Institution: University of South
Carolina, Columbia City: Columbia Project Title: Establishment of a Cardiovascular
Research Experience Program for Medical Students at the University of South Carolina
Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total Years: 3 Total Award
Amount: \$60,000

SOUTH CAROLINA

Yukiko Sugi, PhD, DVM

Program Type: Transformational Project Award Institution: Medical University of South
Carolina City: Charleston Project Title: Signaling interaction and regulation in AV
valvuloseptal maturation Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total
Years: 3 Total Award Amount: \$300,000

SOUTH CAROLINA

Ge Tao, BS, PhD

Program Type: Scientist Development Grant Institution: Medical University of South
Carolina City: Charleston Project Title: Thioredoxin 1 as a Pitx2 Interacting Protein
during Cardiac Regeneration Award Start Date: 1/1/2017 Award End Date: 12/31/2019
Total Years: 3 Total Award Amount: \$231,000

SOUTH CAROLINA

Amer Toutonji, BS

Program Type: Predoctoral Fellowship Institution: Medical University of South Carolina
City: Charleston Project Title: Ischemic-Site Targeted Inhibition of the Complement
System in Stroke Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$53,688

TENNESSEE

Ryan Allen, BS, MS, PhD

Program Type: Career Development Award Institution: Vanderbilt University Medical
Center City: Nashville Project Title: The Role of VLDL-trafficked Small RNAs in Metabolic
Disease Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total
Award Amount: \$231,000



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TENNESSEE

Ryan Allen, BS, MS, PhD

Program Type: Innovative Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: A Novel Paradigm for LDL-Associated Extracellular Small RNA in the Pathogenesis of Atherosclerosis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

TENNESSEE

Eric Beaumont, BS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: East Tennessee State University, Johnson City City: Johnson City Project Title: Vagal nerve stimulation mitigates alteration of the intestinal environment to limit the progression of heart failure Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

TENNESSEE

William Beavers, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Interrogating methionine sulfoxide reductases in *S. aureus* pathogenesis Award Start Date: 7/1/2018 Award End Date: 7/30/2020 Total Years: 2 Total Award Amount: \$106,532

TENNESSEE

Joshua Beckman, MD, MS

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: Microcirculatory Disease Determines Limb Outcomes in PAD Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$509,946

TENNESSEE

Joshua Beckman, MD, MS

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: The Impact of Branched-Chain Amino Acids Metabolism on Limb Dysfunction in PAD Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,289,633

TENNESSEE

Camilo Bermudez Noguera, BSE

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Machine learning to define the clinical and imaging features of heart failure in the setting of dementia. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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TENNESSEE

Wendy Bottinor, BS, MD

Program Type: Career Development Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Early Detection of Cardiovascular Disease in Childhood Cancer Survivors Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TENNESSEE

Nancy Brown, MD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: Vascular effects of GLP-1 receptor activation Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$1,767,612

TENNESSEE

Simon Bulley, PhD

Program Type: Scientist Development Grant Institution: University of Tennessee Health Science Center Memphis City: Memphis Project Title: Role of TRPP2 channels in the regulation of arterial contractility Award Start Date: 1/1/2016 Award End Date: 12/31/2019 Total Years: 4 Total Award Amount: \$308,000

TENNESSEE

Dylan Burnette, PhD

Program Type: Scientist Development Grant Institution: Vanderbilt University City: Nashville Project Title: Mechanisms of sarcomere assembly in healthy and diseased heart muscle cells Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$231,000

TENNESSEE

Hung-Hsin Chen, MS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: The comprehensive genetic architecture for circulating lipid traits: from GWAS and, transcriptome to PheWAS Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Sheila Collins, BS, PhD

Program Type: Transformational Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Natriuretic peptide receptor heterodimers: new mechanism with paradigm shifting implications Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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TENNESSEE

Nancy Cox, PhD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: Genome and Phenome Studies on Obesity and CVD to Dissect GLP1R Mechanism Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$544,896

TENNESSEE

Rachelle Crescenzi, PhD, BS

Program Type: Career Development Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Visualizing Vascular Mechanisms of Salt Sensitivity Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

TENNESSEE

Rachelle Crescenzi, PhD, BS

Program Type: Innovative Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Magnetic Resonance Imaging tools to explore lymphatic clearance of tissue sodium Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

TENNESSEE

Andrea Cuentas Condori, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Molecular and cellular determinants of bouton plasticity Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

James Dale, MD

Program Type: Strategically Focused Research Network Institution: University of Tennessee Health Science Center Memphis City: Memphis Project Title: Human Immunity to Potential Group A Streptococcal Vaccine Antigens in Subjects at High Risk for Rheumatic Heart Disease Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$1,003,927

TENNESSEE

Anna Dikalova, PhD

Program Type: Transformational Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Targeting Sirt3 Expression in Vascular Dysfunction and Hypertension Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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TENNESSEE

Amanda Doran, MD, PhD

Program Type: Fellow-to-Faculty Transition Award Institution: Vanderbilt University
Medical Center City: Nashville Project Title: A Novel Multifunctional Role for CaMKII γ in
Advanced Atherosclerosis Award Start Date: 7/1/2017 Award End Date: 9/30/2022 Total
Years: 5 Total Award Amount: \$593,000

TENNESSEE

Merlyn Emmanuel, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University City: Nashville
Project Title: Exosome function in stromal matrix assembly Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TENNESSEE

Veronica Farmer, BA

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville
Project Title: Investigating the role of the GTP hydrolysis rate in regulation of
microtubule stability Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total
Years: 2 Total Award Amount: \$53,688

TENNESSEE

Cerrone Foster, PhD, BS

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: East
Tennessee State University, Johnson City City: Johnson City Project Title: Estrogen
Receptor Beta Signaling and Cardiac Protection from Chronic Beta Adrenergic
Stimulation Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total
Award Amount: \$153,962

TENNESSEE

Matthew Freiberg, BS, MD, MSc

Program Type: Strategically Focused Research Network Institution: Vanderbilt
University Medical Center City: Nashville Project Title: Clinical and genetic determinants
of peripheral artery disease, microvascular disease, and major adverse limb outcomes
Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award
Amount: \$1,012,785

TENNESSEE

Cristi Galindo, PhD

Program Type: Innovative Project Award Institution: Vanderbilt University Medical
Center City: Nashville Project Title: Mechanisms and assessment of brain-derived
neurotrophic factor (BDNF) as a treatment for Duchenne cardiomyopathy Award Start
Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000



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TENNESSEE

Alyssa Hasty, PhD

Program Type: Innovative Project Award Institution: Vanderbilt University City: Nashville

Project Title: Genetic Barcoding to Deconvolute T Cell Clonal Expansion in Obesity

Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award

Amount: \$200,000

TENNESSEE

Jiansheng Huang, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University Medical Center

City: Nashville Project Title: Role of MDA-HDL in atherosclerosis and effects of

scavenging reactive aldehydes on HDL function and atherosclerosis Award Start Date:

1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

TENNESSEE

Camryn Johnson, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville

Project Title: Targeting cadherin-11 decreases inflammation in atherosclerotic plaques

Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award

Amount: \$53,688

TENNESSEE

Roslin Joseph Thoppil, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University City: Nashville

Project Title: A novel mechanism underlying microtubule organization and function in

endothelial cells Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2

Total Award Amount: \$106,532

TENNESSEE

Bjorn Knollmann, MD, PhD

Program Type: Strategically Focused Research Network Institution: Vanderbilt

University Medical Center City: Nashville Project Title: Targeting intracellular calcium

leak for ventricular arrhythmia prevention in structural heart disease Award Start Date:

7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$580,800

TENNESSEE

Bjorn Knollmann, MD, PhD

Program Type: Strategically Focused Research Network Institution: Vanderbilt

University Medical Center City: Nashville Project Title: The mechanistic role of RyR2
hyperactivity for ventricular arrhythmia in animal models of structural heart disease

Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award

Amount: \$1,042,800



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TENNESSEE

Georg Kuenze, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University City: Nashville

Project Title: Computer Modeling of the Potassium Channel KCNQ1 to Study Protein

Function and the Role of Mutations in Heart Arrhythmia Award Start Date: 7/1/2018

Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TENNESSEE

Meena Madhur, PhD, MD

Program Type: Established Investigator Award Institution: Vanderbilt University Medical

Center City: Nashville Project Title: Defining Novel Inflammatory Pathways in

Hypertension and Aortic Dissection Award Start Date: 4/1/2019 Award End Date:

3/31/2024 Total Years: 5 Total Award Amount: \$400,000

TENNESSEE

Meena Madhur, PhD, MD

Program Type: Innovative Project Award Institution: Vanderbilt University Medical

Center City: Nashville Project Title: Using CITE-Seq and Mendelian Randomization to

Identify Novel Inflammatory Mediators of Heart Failure with Preserved Ejec Award Start

Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

TENNESSEE

Gregory Michaud,

Program Type: Strategically Focused Research Network Institution: Vanderbilt

University Medical Center City: Nashville Project Title: Michaud Clinical Project: A first-

in-AF trial of a reactive lipid metabolite scavenger Award Start Date: 7/1/2018 Award

End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$970,382

TENNESSEE

Bassem Mohammed, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University Medical Center

City: Nashville Project Title: A Non-Circulating Pool of Coagulation Factor XI in the

Cardiovascular System Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total

Years: 2 Total Award Amount: \$110,456

TENNESSEE

Jonathan Mosley, BSC, MSc, MD PhD

Program Type: Fellow-to-Faculty Transition Award Institution: Vanderbilt University

Medical Center City: Nashville Project Title: Delineating epidemiological and genetic

factors associated with cardiac diastolic dysfunction Award Start Date: 7/1/2016 Award

End Date: 6/30/2021 Total Years: 5 Total Award Amount: \$593,000



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TENNESSEE

Katherine Murray, MD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University City: Nashville Project Title: Murray Basic Project: Reactive lipid metabolites as mediators of AF susceptibility in clinical and genetic risk models Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$1,212,724

TENNESSEE

Young-Jae Nam, MD, PhD

Program Type: Innovative Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Identifying the regulators for myofibroblast de-differentiation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

TENNESSEE

Shwetha Narasimhan, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: CLASP-dependent regulation of vascular smooth muscle cell contractility Award Start Date: 7/1/2018 Award End Date: 12/30/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Kevin Niswender, MD PhD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: Toward Obesity Precision Medicine: Promise of the Glucagon-Like Peptide 1 Receptor Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$580,800

TENNESSEE

Kevin Niswender, MD PhD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: Glucagon-like peptide-1 receptor and cardiometabolic health Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$815,892

TENNESSEE

James Oconnor, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Calcium signaling dynamics in the early response to wounds Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$53,688



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TENNESSEE

Sierra Palumbos, BA

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville
Project Title: A transcriptionally-regulated G-protein signaling pathway directs
assembly of neuron-specific gap junctions Award Start Date: 1/1/2019 Award End Date:
5/31/2021 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Dieniffer Peixoto-Neves, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Tennessee Health
Science Center Memphis City: Memphis Project Title: Neonatal renal vasoregulation by
voltage-gated potassium channels Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TENNESSEE

Brandt Pence, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
University of Memphis City: Memphis Project Title: Glycolytic Metabolism and Cellular
Function in Monocytes from Older Adults Award Start Date: 4/1/2018 Award End Date:
3/31/2020 Total Years: 2 Total Award Amount: \$154,000

TENNESSEE

Brandt Pence, PhD

Program Type: Transformational Project Award Institution: University of Memphis City:
Memphis Project Title: Mdivi-1 as an immunometabolic regulator to treat
atherosclerosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$300,000

TENNESSEE

Megan Rasmussen, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville
Project Title: Non-apoptotic function of MCL-1 in regulating mitochondrial dynamics
and metabolism in iPSC-derived cardiomyocytes Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Dan Roden, MD

Program Type: Strategically Focused Research Network Institution: Vanderbilt
University Medical Center City: Nashville Project Title: A novel molecular target in atrial
fibrillation Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total
Award Amount: \$580,800



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TENNESSEE

Dan Roden, MD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: Roden Population Project: Identifying AF subtypes driven by inflammation Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$945,294

TENNESSEE

Natalia Ruggeri Barbaro, BCH, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University Medical Center City: Nashville Project Title: The role of dendritic cells in salt-sensitive hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TENNESSEE

Sarika Saraswati, PhD

Program Type: Scientist Development Grant Institution: Vanderbilt University Medical Center City: Nashville Project Title: Elucidating fibroblast heterogeneity as a pathway to target cardiac fibrosis Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TENNESSEE

Pankaj Sharma, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Role of assembly factors in maturation of catalytic subunit of human respiratory complex II Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TENNESSEE

Cyndya Shibao, BS, MD, MSc

Program Type: Innovative Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Orthostatic Intolerance after Bariatric Surgery Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

TENNESSEE

John Snider, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Targeting 5-HT_{2B} to improve cardiac function following myocardial infarction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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TENNESSEE

William Stevenson, MD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University Medical Center City: Nashville Project Title: A Clinical Trial of RyR2 Inhibition to Prevent Ventricular Arrhythmias in Patients with Structural Heart Disease Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$1,108,474

TENNESSEE

Cody Stothers, BA

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: The Role of Endothelial mTOR Signaling in Sepsis-Induced Cardiovascular Dysfunction Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Nilay Taneja, BS, MS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Investigating the role of cellular adhesion in myofibril formation and maintenance Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Alexander Thiemicke, BS, MSc

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville Project Title: Physiologically relevant NaCl profiles dictate cellular phenotypes Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TENNESSEE

Prachi Umbarkar, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University Medical Center City: Nashville Project Title: Role of GSK-3-alpha in the regulation of myocardial fibrosis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

TENNESSEE

Luc Van Kaer, PhD

Program Type: Transformational Project Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Targeting IL-10-producing B cells in cardiac adipose tissues to improve the outcome of acute myocardial infarction Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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TENNESSEE

Valeria Vasquez, BS, PhD

Program Type: Scientist Development Grant Institution: University of Tennessee Health Science Center Memphis City: Memphis Project Title: Understanding the Role of Piezo1 Channels in Vascular Physiology Award Start Date: 1/1/2016 Award End Date: 12/31/2019 Total Years: 4 Total Award Amount: \$308,000

TENNESSEE

Lili Wang, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University Medical Center City: Nashville Project Title: Arrhythmia mechanisms of HCM-linked Troponin T mutations in human iPSC-derived cardiomyocytes Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

TENNESSEE

David Wasserman, PhD

Program Type: Strategically Focused Research Network Institution: Vanderbilt University City: Nashville Project Title: The Link between Microcirculatory Dysfunction and Skeletal Muscle Insulin Resistance Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$896,836

TENNESSEE

Andy Weiss, PhD

Program Type: Postdoctoral Fellowship Institution: Vanderbilt University Medical Center City: Nashville Project Title: Characterization of the host-pathogen interface during staphylococcal abscess formation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$103,328

TENNESSEE

Quinn Wells, BS, PharmD, MD

Program Type: Collaborative Sciences Award Institution: Vanderbilt University Medical Center City: Nashville Project Title: Identification of Genetic Variants Associated with Anthracycline-related Cardiotoxicity Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$374,999

TENNESSEE

Liang Xiao, MD, PhD

Program Type: Scientist Development Grant Institution: Vanderbilt University Medical Center City: Nashville Project Title: Sympathetic regulation of memory T cells in repeated hypertension Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000



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TENNESSEE

Michael Yarboro, BS

Program Type: Predoctoral Fellowship Institution: Vanderbilt University City: Nashville
Project Title: Defining a Prostaglandin Mediated Developmental Program in the Ductus
Arteriosus Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

TENNESSEE

Juan Zhao, PhD

Program Type: Institute - AI and ML Training Grants Institution: Vanderbilt University
Medical Center City: Nashville Project Title: Leveraging machine learning and deep
learning with longitudinal EHR and genetic data to better predict 10-year stroke Award
Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:
\$100,000

TEXAS

Isamu Aiba, BS, MS, PhD

Program Type: Career Development Award Institution: Baylor College of Medicine,
Houston City: Houston Project Title: Neurogenic mechanism of parasympathetic
cardiac arrhythmias and sudden death Award Start Date: 4/1/2019 Award End Date:
3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Fatima Alshbool, PharmD, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
University of Texas, El Paso City: El Paso Project Title: Investigation of the Platelet 5HT_{2A}
and P2Y₁ Receptors Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years:
2 Total Award Amount: \$154,000

TEXAS

Francisco Altamirano, PhD, BSC

Program Type: Career Development Award Institution: University of Texas Southwestern
Medical Center City: Dallas Project Title: Polycystin-1-dependent governance of
cardiomyocyte hypertrophy via potassium channel control Award Start Date: 4/1/2019
Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Michele Alves-Bezerra, PhD

Program Type: Postdoctoral Fellowship Institution: Baylor College of Medicine, Houston
City: Houston Project Title: Them2-Mediated Regulation of Lipid and Glucose
Metabolism in the Liver Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$106,532



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TEXAS

Rajarajan Amirthalingam Thandavarayan, PhD, MPH

Program Type: Innovative Project Award Institution: Houston Methodist Research

Institute City: Houston Project Title: Role of histone deacetylase in premature

endothelial senescent cells Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total

Years: 2 Total Award Amount: \$200,000

TEXAS

Rajarajan Amirthalingam Thandavarayan, PhD, MPH

Program Type: Transformational Project Award Institution: Houston Methodist Research

Institute City: Houston Project Title: Role of Sirtuin 6 in mesenchymal stem cell-

mediated regeneration in diabetic ischemic heart Award Start Date: 7/1/2019 Award End

Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Shabbir Ansari, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health

Science Center at Tyler City: Tyler Project Title: Role of oxidative stress-induced lipid

peroxidation product, 4-hydroxy-2-nonenal, in thrombosis and inflammation Award

Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount:

\$106,532

TEXAS

Alli Antar, PhD

Program Type: Career Development Award Institution: Baylor College of Medicine,

Houston City: Houston Project Title: Dissecting the Role of ChREBP in Brown Adipose

Tissue Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award

Amount: \$231,000

TEXAS

Gaëlle Auguste, BSC, MS, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health

Science Center at Houston City: Houston Project Title: BET bromodomain protein 4 as a

novel therapeutic target in dilated cardiomyopathy in laminopathy. Award Start Date:

1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

TEXAS

Mariah Baker, PhD

Program Type: Career Development Award Institution: The University of Texas Health

Science Center at Houston City: Houston Project Title: Structural Basis for Phospho-

Regulation of IP3R channel Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total

Years: 3 Total Award Amount: \$231,000



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TEXAS

Paul Bernard, BS

Program Type: Predoctoral Fellowship Institution: Texas A&M University Health Science Center City: College Station Project Title: Role of rocA polymorphisms on virulence and pathogenesis of serotype M28 group A streptococcus Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Elvin Blanco, BS, MS, PhD

Program Type: Innovative Project Award Institution: Houston Methodist Research Institute City: Houston Project Title: Mitochondrial transplantation as a strategy to metabolically reprogram macrophages in atherosclerotic lesions Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Jean C. Bopassa, PhD, MA

Program Type: Scientist Development Grant Institution: University of Texas Health Science Center at San Antonio City: San Antonio Project Title: Novel Insights into Post-Ischemic Estrogen Cardioprotection Against I/R Injury Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Carie Boychuk, PhD, BS

Program Type: Scientist Development Grant Institution: University of Texas Health Science Center at San Antonio City: San Antonio Project Title: Neurosteroid Modulation Of Tonic GABAA Receptor Plasticity And Its Implications In Diabetes Award Start Date: 1/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$308,000

TEXAS

Manuel E Cantu Gutierrez, BS

Program Type: Predoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: DETERMINING THE ROLE OF ERG IN VASCULAR HOMEOSTASIS DURING DEVELOPMENT Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Jun Cao, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Medical Branch City: Galveston Project Title: Mechanism of alternative splicing dysregulation in diabetic hearts Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060



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TEXAS

Elisa Carrillo Flores, BA, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Mechanism of allosteric communication in NMDA receptors Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Sanjukta Chakraborty, PhD

Program Type: Scientist Development Grant Institution: Texas A&M University, College Station City: College Station Project Title: Role of microbiota dysbiosis on lymphatic dysfunction and progression of metabolic syndrome Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Jiang Chang, PhD, MD

Program Type: Innovative Project Award Institution: Texas A&M University Health Science Center City: College Station Project Title: Establishment of an endogenous cardiac exosome tracking system Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Jiang Chang, PhD, MD

Program Type: Transformational Project Award Institution: Texas A&M University Health Science Center City: College Station Project Title: Rho signaling in the development and treatment of myocardial infarction complication Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Phapanin Charoenphol, PhD, MS, BS

Program Type: Scientist Development Grant Institution: Texas Engineering Experiment Station City: College Station Project Title: Engineering a multistage delivery system for intravascular administration of contrast agents in cardiovascular diseases Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Jie Chen, BA

Program Type: Predoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Rapid palmitoylation of signaling proteins in response to beta-adrenergic stimulation in cardiomyocytes Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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TEXAS

Meifan Chen, BS, PhD

Program Type: Career Development Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Tuning astroglial plasticity to promote neural plasticity after stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Shih-Feng Chou, PhD, MS, BS

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Texas, Tyler City: Tyler Project Title: The use of membrane-tethered Kunitz-type inhibitors to provide thromboresistance for implantable devices Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

TEXAS

Haiyan Chu, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Molecular Basis of Maternal Hypertension in the Antiphospholipid Syndrome Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Spencer Cushen, BS

Program Type: Predoctoral Fellowship Institution: University of North Texas Health Science Center, Fort Worth City: Fort Worth Project Title: Trophoblast-induced maternal cardiovascular dysfunction in pregnancy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Marco De Giorgi, BSC, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: Investigation of the mevalonate pathway in a new mouse model of liver specific Hmgcr deletion Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

TEXAS

Paul De Vries, BSC, MSc, PhD

Program Type: Career Development Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Genomic discoveries for understanding and predicting coronary heart disease incident and prognosis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000



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TEXAS

Katrin Dias, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: High Intensity Exercise for Increasing Cardiorespiratory Fitness in Patients with Hypertrophic Cardiomyopathy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

TEXAS

Alexandria Doerfler, BS

Program Type: Predoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: The Role of the Mevalonate Pathway in Lipid Absorption and Storage Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Jonathan Dorigatti, BS

Program Type: Predoctoral Fellowship Institution: University of Texas Health Science Center at San Antonio City: San Antonio Project Title: Beta-Guanidinopropionic acid as an Intervention Targeting Health-span Award Start Date: 1/1/2019 Award End Date: 4/30/2021 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Guangwei Du, PhD

Program Type: Transformational Project Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: A role of PLD1 in the trafficking of low-density lipoprotein cholesterol to lysosomes in macrophages Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Tony Eissa, MD

Program Type: Transformational Project Award Institution: Baylor College of Medicine, Houston City: Houston Project Title: Regulation of Inflammasome Activation by p38 MAPK Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Selma Elsarrag, BSC

Program Type: Predoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: Investigating the Regulation of TNF-alpha/IFN-gamma Synergy by Transcriptional Coactivators in Endothelial Cells Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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TEXAS

Liang Fan, MD PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Tyler City: Tyler Project Title: CSP7 inhibits toxicity of ionizing radiation to the lung Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Longhou Fang, PhD

Program Type: Transformational Project Award Institution: Houston Methodist Research Institute City: Houston Project Title: AIBP-REGULATED HEMATOPOIESIS IN DEVELOPMENT AND CARDIOVASCULAR DISEASE Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Riddhiman Garge, BSE

Program Type: Predoctoral Fellowship Institution: The University of Texas at Austin City: Austin Project Title: Humanized yeast as a tool to understand allelic variation and epistatic regulation affecting cholesterol biosynthesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Ketan Ghaghada, PhD

Program Type: Collaborative Sciences Award Institution: Baylor College of Medicine, Houston City: Houston Project Title: Early Detection of Aortic Degeneration Using Nanoparticle Contrast-enhanced CT Imaging Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$378,347

TEXAS

Madeleine Gomel, BS

Program Type: Predoctoral Fellowship Institution: Rice University City: Houston Project Title: Limiting Bioprosthetic Valve Calcification using a Durable Hydrogel Layer for In Situ Endothelialization Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Lihu Gong, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Molecular Interplay of Polycomb Repressive Complex 2, DNA Methyltransferases and Long Non-Coding RNAs Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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TEXAS

Joaquin Gonzales, PhD

Program Type: Innovative Project Award Institution: Texas Tech University, Lubbock City:
Lubbock Project Title: Effect of Pulsatile Pressure and Long Sleep Duration on Cerebral
Vascular Function Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2
Total Award Amount: \$197,451

TEXAS

Styliani Goulopoulou, PhD, MS, BS

Program Type: Transformational Project Award Institution: University of North Texas
Health Science Center, Fort Worth City: Fort Worth Project Title: Circulating cell-free
mitochondrial DNA in a preclinical model of preeclampsia with placental ischemia
Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award
Amount: \$300,000

TEXAS

Vijay Govindarajan, BS, MS, PhD

Program Type: Transformational Project Award Institution: The University of Texas
Health Science Center at Houston City: Houston Project Title: A Novel Surgical Planning
Strategy for Optimal Mitral Intervention Award Start Date: 7/1/2019 Award End Date:
6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Kathryn Grande Allen, BA, PhD

Program Type: Undergraduate fellowship Institution: Rice University City: Houston
Project Title: Summer Cardiovascular Research Internship Program (SCRIP) at Rice
Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total Years: 3 Total Award
Amount: \$60,000

TEXAS

Xiaowu Gu, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern
Medical Center City: Dallas Project Title: Netrin-1 in nephro-vascular niche Award Start
Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

TEXAS

Guichun Han, PhD, MD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Texas A&M University, College Station City: College Station Project Title: The crosstalk
of estrogen receptors and dual G-protein coupling in coronary arterioles Award Start
Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000



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TEXAS

Jaeil Han, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Identification of regulators and therapeutic targets for myotonic dystrophy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

TEXAS

Heather Hayenga, BS, PhD

Program Type: Collaborative Sciences Award Institution: University of Texas, Dallas City: Richardson Project Title: Optically Modulation of Blood-Brain Barrier Tight Junctions by Molecular Hyperthermia Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$184,506

TEXAS

Heather Hayenga, BS, PhD

Program Type: Scientist Development Grant Institution: University of Texas, Dallas City: Richardson Project Title: Predicting Arterial Changes During Atherogenesis: An Agent Based Modeling Approach Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Todd Heallen, PhD

Program Type: Scientist Development Grant Institution: Texas Heart Institute City: Houston Project Title: Hippo Signaling and Mitophagy in Cardiomyocyte Renewal Award Start Date: 1/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$308,000

TEXAS

Alexander Herman, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: Elucidating the role of KRAS signaling in the pathogenesis of brain arteriovenous malformations Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Michinari Hieda, MD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Maximizing Functional Capacity of LVAD Patients: Pump-speed Optimization using Exercise to Avoid Left-Right Mismatch Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532



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TEXAS

Joseph Hill, BS, MD PhD

Program Type: Transformational Project Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Heart Failure with Preserved Ejection Fraction (HFpEF): Translational Pharmacotherapy Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Sungha Hong, BS, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: The Role of Endothelial TRPV1 in Blood Flow Restoration Following Stroke Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

TEXAS

Daniel Howsmon, BS, BS

Program Type: Postdoctoral Fellowship Institution: The University of Texas at Austin City: Austin Project Title: Elucidating the Dynamics of Valve Interstitial Cells in Health and Disease: A Mathematical Modeling Approach Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$103,328

TEXAS

Jiangnan Hu, MD, MS

Program Type: Predoctoral Fellowship Institution: University of North Texas Health Science Center, Fort Worth City: Fort Worth Project Title: Cerebral Organoids as a Tissue-based Therapy for Chronic Ischemic Stroke Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Ankita Bachhawat Jaykumar, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: The role of WNK1/OSR1 in endothelial cell migration and angiogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$103,328

TEXAS

Jason Karch, PhD, BA

Program Type: Scientist Development Grant Institution: Baylor College of Medicine, Houston City: Houston Project Title: Identification of Novel Regulators of Necrosis in the Ischemic Heart. Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000



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TEXAS

Harry Karmouty-Quintana, BSC, PhD

Program Type: Innovative Project Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Ex-Vivo Lung Perfusion in Acute Lung Injury Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Rakez Kayed, PhD

Program Type: Collaborative Sciences Award Institution: The University of Texas Medical Branch City: Galveston Project Title: Myocardial Tauopathy: a new pathogenesis and treatment for heart disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$264,000

TEXAS

Jun-Dae Kim, BS, MS, PhD

Program Type: Career Development Award Institution: Houston Methodist Research Institute City: Houston Project Title: ERK5/MAPK7 Function in Lymphatic Vessel Development Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Kangho Kim, PhD, BS

Program Type: Career Development Award Institution: Baylor College of Medicine, Houston City: Houston Project Title: Metabolic Benefits of New Bile Acid Targets Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Junsuk Ko, BSC

Program Type: Predoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Downregulation of Cleavage Factor 25 by TGFbeta1 Contributes to Pulmonary Fibrosis through Alternative Polyadenylation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Daniel Kober, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Structural and biophysical investigation of Scap-SREBP activation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060



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TEXAS

Iurii Koboziev, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Texas Tech University, Lubbock City: Lubbock Project Title: Microbiome mediated anti-obesity and anti-inflammatory effects of eicosapentaenoic acid and curcumin Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

TEXAS

Sai Koka, BS, MS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Houston, Houston City: Houston Project Title: Role of Trimethylamine-N-Oxide (TMAO) in endothelial and vascular injury. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

TEXAS

Satadru Lahiri, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: ROLE OF A NOVEL CALPAIN-MEDIATED REGULATION OF JUNCTOPHILIN-2 (JPH2) IN HEART FAILURE Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

TEXAS

Yun-Ju Lai, BS, MS, BSN, PhD

Program Type: Predoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: PD-L1 mediated T cell infiltration across the blood-brain barrier in aging and stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Juhyun Lee, PhD, MS, BS

Program Type: Career Development Award Institution: The University of Texas at Arlington City: Arlington Project Title: Investigating biomechanical effects of hemodynamics and myocardial contractility on the development of trabeculation Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Juneyoung Lee, MS, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Mucin as a sentinel for the brain-



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gut axis following stroke Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Scott Lemaire, MD

Program Type: Collaborative Sciences Award Institution: Baylor College of Medicine, Houston City: Houston Project Title: Early Detection of Aortic Degeneration Using Nanoparticle Contrast-enhanced CT Imaging Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$185,800

TEXAS

Scott Lemaire, MD

Program Type: Strategically Focused Research Network Institution: Baylor College of Medicine, Houston City: Houston Project Title: Molecular signature of sex chromosome genes associated with sex-dependent susceptibility to ascending aortic aneurysms Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,042,800

TEXAS

Larry Lemanski, PhD, MS, BS

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Texas A&M University, Commerce City: Commerce Project Title: Human RNA that Converts iPS Cells and Fibroblasts into Cardiac Myocytes Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

TEXAS

Chen Liu, PhD, BS

Program Type: Scientist Development Grant Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: PPARgamma in vagal neurons and the clinical effects of Thiazolidinediones Award Start Date: 1/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$308,000

TEXAS

Hua Liu, PhD

Program Type: Scientist Development Grant Institution: The University of Texas Medical Branch City: Galveston Project Title: cAMP/EPAC1 pathway in retinal neuronal damage after ischemic injury Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Shijie Liu, PhD



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Program Type: Postdoctoral Fellowship Institution: Texas Heart Institute City: Houston
Project Title: Wntless inhibits cardiac fibrosis by regulating Wnt secretion from
cardiomyocytes during heart regeneration Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$114,368

TEXAS

Xin Liu, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern
Medical Center City: Dallas Project Title: Functional and Molecular Analysis of Cardiac
Enhancers In Situ by Repurposed CRISPR/Cas9 Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

TEXAS

Yu Liu, MD, PhD

Program Type: Innovative Project Award Institution: University of Houston, Houston
City: Houston Project Title: Super-lncRNA/super-enhancer interaction is a novel
mechanism in regulating cardiac cell fate Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Zhiping Liu, PhD

Program Type: Transformational Project Award Institution: University of Texas
Southwestern Medical Center City: Dallas Project Title: Mechanism of activation of
histone lysine demethylase in pathological cardiac remodeling Award Start Date:
7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Nanbing Li-Villarreal, PhD

Program Type: Postdoctoral Fellowship Institution: Baylor College of Medicine, Houston
City: Houston Project Title: Ascc2 as a novel regulator of cardiac specification and
migration Award Start Date: 7/1/2018 Award End Date: 7/31/2020 Total Years: 2 Total
Award Amount: \$106,532

TEXAS

Andrew Lopez, BS

Program Type: Predoctoral Fellowship Institution: Baylor College of Medicine, Houston
City: Houston Project Title: Heart Contraction Regulates the Embryonic Heart's
Extracellular Matrix Organization and Composition Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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TEXAS

Christopher Lu, MD

Program Type: Transformational Project Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Mitochondrial Anti-Viral Signaling Protein (MAVS), Reactive Oxygen Species, & Progressive Chronic Kidney Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Ngonidzashe Madungwe, BS

Program Type: Predoctoral Fellowship Institution: University of Texas Health Science Center at San Antonio City: San Antonio Project Title: Insights into Chronic Post-Ischemic G Protein-Coupled Estrogen Receptor 1-Induced Cardioprotection: Role of MST1/YAP Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Michael Maniskas, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Peripheral mechanism contributing to cerebral amyloid angiopathy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Bradley Mcconnell, PhD, BS

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Houston, Houston City: Houston Project Title: Gravin Signalosome Mediates Cardiac Signaling and Transcriptome Variation in Heart Failure Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

TEXAS

Shu Meng, PhD, MS, MD

Program Type: Scientist Development Grant Institution: Houston Methodist Research Institute City: Houston Project Title: Transdifferentiation of fibroblasts to endothelial cells contributes to angiogenesis- Role of TLR3 signaling Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Dianna Milewicz, PhD, MD

Program Type: Merit Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Molecular Pathogenesis of Occlusive



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Cerebrovascular Disease Resulting from ACTA2 Mutations Award Start Date: 1/1/2019
Award End Date: 12/31/2023 Total Years: 5 Total Award Amount: \$1,000,000

TEXAS

Brett Mitchell, PhD

Program Type: Innovative Project Award Institution: Texas A&M University Health
Science Center City: College Station Project Title: Determining how microbiota-derived
tryptophan metabolites regulate lymphocyte function in hypertension Award Start
Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Brett Mitchell, PhD

Program Type: Undergraduate fellowship Institution: Texas A&M University Health
Science Center City: College Station Project Title: Texas A&M Health Science Center
Summer Research Program-AHA SURF Program Award Start Date: 2/1/2017 Award End
Date: 1/31/2020 Total Years: 3 Total Award Amount: \$60,000

TEXAS

Madeline Monroe, BS

Program Type: Predoctoral Fellowship Institution: Rice University City: Houston Project
Title: Investigating Effects of 3D Extracellular Environment on Aortic Valve Cell
Calcification Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

TEXAS

Michael Nelson, PhD, MSc, BA

Program Type: Scientist Development Grant Institution: The University of Texas at
Arlington City: Arlington Project Title: Functional myocardial ischemia as a mechanism
of diastolic dysfunction in women with coronary microvascular dysfunction Award Start
Date: 1/1/2016 Award End Date: 12/31/2019 Total Years: 4 Total Award Amount: \$308,000

TEXAS

Ngoc Uyen Nhi Nguyen, PhD, MS

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern
Medical Center City: Dallas Project Title: The role of calcineurin in cell cycle arrest of
postnatal cardiomyocytes Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total
Years: 2 Total Award Amount: \$110,456



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TEXAS

Marcia Otto, PhD, MS, BS

Program Type: Scientist Development Grant Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Everything in moderation?

Dietary diversity, diet quality and cardiovascular health Award Start Date: 7/1/2017

Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$230,877

TEXAS

Evan Pasha, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern

Medical Center City: Dallas Project Title: The Impact of High Intensity Interval Training

on Midlife Neuroplasticity and Vascular Function Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

TEXAS

Jun Peng, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Endothelial Regulation of Insulin Sensitivity

Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

TEXAS

Xu Peng, MD PhD

Program Type: Transformational Project Award Institution: Texas A&M University Health Science Center City: College Station Project Title: Role and Molecular Mechanisms of

Cdc42 in Lymphatic valve formation Award Start Date: 7/1/2019 Award End Date:

6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Amelie Pinard, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Identification and

Characterization of Novel Genes for Moyamoya Disease Award Start Date: 7/1/2018

Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Zhenpeng Qin, BS, MS, PhD

Program Type: Collaborative Sciences Award Institution: University of Texas, Dallas City: Richardson Project Title: Optically Modulation of Blood-Brain Barrier Tight

Junctions by Molecular Hyperthermia Award Start Date: 7/1/2019 Award End Date:

6/30/2022 Total Years: 3 Total Award Amount: \$340,494



**American
Heart
Association.**

TEXAS

Manuel Rausch, PhD

Program Type: Career Development Award Institution: The University of Texas at Austin
City: Austin Project Title: Toward Optimal Tricuspid Annuloplasty: Combining a Beating
Human Heart Model, Tissue Characterization, and Simulation. Award Start Date:
7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Tiffany Reese, PhD, BS

Program Type: Scientist Development Grant Institution: University of Texas
Southwestern Medical Center City: Dallas Project Title: Inflammation, Gamma-
Herpesvirus Reactivation and Lipid Homeostasis Award Start Date: 7/1/2017 Award End
Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Bruno Rego, BS, MSE

Program Type: Predoctoral Fellowship Institution: The University of Texas at Austin City:
Austin Project Title: Characterization of Patient-Specific Mitral Valve Remodeling to
Improve Surgical Repair Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$53,688

TEXAS

Erin Reineke, BS, PhD

Program Type: Transformational Project Award Institution: Houston Methodist Research
Institute City: Houston Project Title: The role of steroid receptor coactivator-2 in
coordinating stress-activated angiogenesis in the myocardium Award Start Date:
7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Sandra Riad, BSC, MSc

Program Type: Predoctoral Fellowship Institution: Baylor College of Medicine, Houston
City: Houston Project Title: The Hippo Pathway and the Cardiac Metabolic Dynamics
after Injury Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

TEXAS

Caroline Rickards, PhD

Program Type: Transformational Project Award Institution: University of North Texas
Health Science Center, Fort Worth City: Fort Worth Project Title: Phase II: A novel
approach for improving cerebral tissue blood flow and oxygenation via pulsatile
perfusion therapy Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$299,678



**American
Heart
Association.**

TEXAS

Gonzalo Rivera, PhD, DVM

Program Type: Innovative Project Award Institution: Texas A&M University, College Station City: College Station Project Title: Regulation of the endothelial translationalome by arterial stiffening in atherosclerosis Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Jinsook Roh, PhD

Program Type: Scientist Development Grant Institution: University of Houston, Houston City: Houston Project Title: Intermuscular coordination as a novel clinical target for stroke neurorehabilitation Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Mario Romero-Ortega, PhD

Program Type: Collaborative Sciences Award Institution: University of Texas, Dallas City: Richardson Project Title: Miniature Wireless Neuromodulation for the Treatment of Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$561,165

TEXAS

Beverly Rothermel, PhD

Program Type: Transformational Project Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Circadian cycling of cardiac mitochondrial dynamics Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Hesham Sadek, PhD, MD

Program Type: Established Investigator Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Transcriptional Regulation of Cardiomyocyte Cell Cycle Award Start Date: 1/1/2016 Award End Date: 12/31/2020 Total Years: 5 Total Award Amount: \$400,000

TEXAS

T Jake Samuel, BS, MS

Program Type: Predoctoral Fellowship Institution: The University of Texas at Arlington City: Arlington Project Title: Ischemia-mediated diastolic dysfunction in women with coronary microvascular dysfunction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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TEXAS

Gabriele Schiattarella, MD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: A Novel XBP1s-FoxO1 Axis in Toxic Lipid Accumulation in Heart Failure with Preserved Ejection Fraction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$125,120

TEXAS

Riyad Seervai, BS, BA

Program Type: Predoctoral Fellowship Institution: Baylor College of Medicine, Houston City: Houston Project Title: The Role of SETD2 Methylation in Regulating the Actin Cytoskeleton Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Mengle Shao, PhD, BS

Program Type: Career Development Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Mural cell HIF1alpha in the control of adipose tissue remodeling in obesity Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Gaurav Sharma, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Assessing Hibernating Myocardium with Hyperpolarized ¹³C MRI Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Ying Shen, PhD, MD

Program Type: Collaborative Sciences Award Institution: Baylor College of Medicine, Houston City: Houston Project Title: Early Detection of Aortic Degeneration Using Nanoparticle Contrast-enhanced CT Imaging Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$185,800

TEXAS

Scott Smith, PhD

Program Type: Collaborative Sciences Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Miniature Wireless Neuromodulation for the Treatment of Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$63,166



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TEXAS

Anren Song, BS, MS, PhD

Program Type: Career Development Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: The Protective Effects of Erythrocyte Purinergic Signaling in Chronic Heart Failure Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Danesh Sopariwala, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Regulation of angiogenesis in exercise and diabetic muscle angiopathy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

TEXAS

Elizabeth Stroebele, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Precision Gene Expression Engineering in Human Cells Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Ruhma Syeda, DPhil

Program Type: Scientist Development Grant Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Functional characterization of mechanically activated channels Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Peeyush Thankamani Pandit, PhD

Program Type: Career Development Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Epigenetic modulation of Wnt target genes in endothelial cells as treatment for cerebrovascular disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Viktor Tomilin, PhD

Program Type: Career Development Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Importance of collecting duct CLC-Kb/2 channel for urinary electrolyte excretion Award Start Date: 4/1/2019 Award End Date: 5/31/2022 Total Years: 3 Total Award Amount: \$231,000



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TEXAS

Qiang Tong, PhD, MS, BS

Program Type: Transformational Project Award Institution: Baylor College of Medicine, Houston City: Houston Project Title: Metabolic Regulation by Transcription Factor PU.1 Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Andreea Trache, PhD

Program Type: Transformational Project Award Institution: Texas A&M University, College Station City: College Station Project Title: Cytoskeleton remodeling regulates contractile function and mechanosensing in vascular smooth muscle Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Wanpen Vongpatanasin, MD

Program Type: Collaborative Sciences Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Miniature Wireless Neuromodulation for the Treatment of Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$63,166

TEXAS

Jue Wang, PhD

Program Type: Postdoctoral Fellowship Institution: The University of Texas Health Science Center at Tyler City: Tyler Project Title: The influence of sphingomyelin metabolism on tissue factor-mediated coagulation and inflammation Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

TEXAS

Jun Wang, MD, PhD

Program Type: Transformational Project Award Institution: Texas Heart Institute City: Houston Project Title: Role of SUMO-2/3 in cardiac remodeling Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Lei Wang, PhD, BS

Program Type: Postdoctoral Fellowship Institution: University of North Texas Health Science Center, Fort Worth City: Fort Worth Project Title: Roles of the CRH-containing projections from the PVN to the NTS in the sleep apnea induced hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060



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TEXAS

Shu Wang, MD, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Texas Tech University, Lubbock City: Lubbock Project Title: Browning white adipose tissue inhibits atherosclerosis development Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

TEXAS

Zhao Wang, PhD, MS, BS

Program Type: Innovative Project Award Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Chimeric RNA in pathological cardiac remodeling Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

TEXAS

Zhaoning Wang, BS

Program Type: Predoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Deciphering the role of two novel Sbk kinases in atrial development and function Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Nadeeja Wijayatunga, PhD, MS, MBBS

Program Type: Postdoctoral Fellowship Institution: Texas Tech University, Lubbock City: Lubbock Project Title: Adiposity Awareness Study: A randomized controlled trial to increase physical activity in normal weight obesity Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Jeungki Yoo, PhD, BS

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Influence of early menopause on sympathetic activation and cardiovascular function in older women Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Ben Young, BS

Program Type: Predoctoral Fellowship Institution: The University of Texas at Arlington City: Arlington Project Title: Endothelin-1 and Insulin-stimulated Blood Flow in Type 2 Diabetes: Novel Therapeutics Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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TEXAS

Bing Yu, MB, MS, PhD

Program Type: Scientist Development Grant Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: The Application of Genomics and Metabolomics on Coronary Heart Disease Risk Prediction Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Xiaoyi Yuan, PhD

Program Type: Career Development Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: The Role of MiR-147 in Acute Respiratory Distress Syndrome Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

TEXAS

Hongxia Zhang, MS, BS

Program Type: Predoctoral Fellowship Institution: University of North Texas Health Science Center, Fort Worth City: Fort Worth Project Title: The effect of young and aged serum exosomes on ischemic stroke outcome Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

TEXAS

Kai Zhang, PhD

Program Type: Transformational Project Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Urban Exposome and Cardiovascular Health in the CARDIA Longitudinal Study Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Ruihui Zhang, PhD

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Mechanistic study of a novel actin-bundling function of dynamin in myoblast fusion Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

TEXAS

Zhengshan Zhao, PhD, MD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Texas A&M University, Commerce City: Commerce Project Title: Repair of damaged myocardium using human-heart RNA in rat myocardial infarction model Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000



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TEXAS

Lei Zheng, PhD

Program Type: Transformational Project Award Institution: The University of Texas Health Science Center at Houston City: Houston Project Title: Elucidating structural basis of sodium/calcium exchanger NCX essential for cardiac contractability Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

TEXAS

Shaotong Zhu, PhD, BS, BA

Program Type: Postdoctoral Fellowship Institution: University of Texas Southwestern Medical Center City: Dallas Project Title: Structural Mechanisms of Fast Inhibitory Neurotransmission Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

UTAH

Matthew Alexander, MD

Program Type: Transformational Project Award Institution: University of Utah City: Salt Lake City Project Title: Multimodal Assessment and Optimization of an Improved Rabbit Model of Intracranial Atherosclerosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

UTAH

Rachit Badolia, PhD, MSc, BSc

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Glycolysis-Dependent Pentose Phosphate Pathway and One-carbon Metabolism during Cardiac Recovery in HF Patients. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

UTAH

Kanokwan Bunsawat, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Autonomic and Vascular Dysfunction in Heart Failure with Preserved Ejection Fraction Award Start Date: 7/1/2018 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

UTAH

Stavros Drakos, MD, PhD

Program Type: Strategically Focused Research Network Institution: University of Utah City: Salt Lake City Project Title: Predictors of myocardial recovery in chronic heart failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$1,042,800



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UTAH

Stavros Drakos, MD, PhD

Program Type: Undergraduate fellowship Institution: University of Utah City: Salt Lake City Project Title: Undergraduate Research in Cardiovascular Diseases Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total Years: 3 Total Award Amount: \$60,000

UTAH

Angela Fagerlin, PhD, MA, BA

Program Type: Strategically Focused Research Network Institution: University of Utah City: Salt Lake City Project Title: Improving Patient and Family Health Using Family-Centered Outcomes and Shared Decision-Making Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$1,020,800

UTAH

Angela Fagerlin, PhD, MA, BA

Program Type: Strategically Focused Research Network Institution: University of Utah City: Salt Lake City Project Title: STudying Effectiveness in Patient-centered care Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$1,044,745

UTAH

Chao Huang, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Towards Detection of Atrial Fibrosis with Catheterized Fiber-optics Confocal Microscopy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

UTAH

Jordan Johnson, BS

Program Type: Predoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Linking Phosphatidylcholine Synthesis to Thermogenesis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

UTAH

Muhammad Khan, PhD

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Prediction of Post-Operative Atrial fibrillation in Cardiac Surgery Patients Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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UTAH

Stacey Knight, PhD

Program Type: Institute - Methods Validation Grant Institution: Intermountain Medical Center City: Murray Project Title: Pedigree Identification and Genetic Analysis Pipeline for Precision Cardiovascular Medicine: The PeGAsis Pipeline Award Start Date: 10/1/2017 Award End Date: 9/30/2019 Total Years: 2 Total Award Amount: \$198,906

UTAH

Bhanu Manne, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Mnk1 regulates megakaryocyte and platelet function Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

UTAH

Joseph McNally, MD PhD

Program Type: Scientist Development Grant Institution: University of Utah City: Salt Lake City Project Title: Amyloid deposition and preexisting vulnerable carotid plaque features predicting cognitive improvement after surgery Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$226,740

UTAH

Elissa Ozanne, PhD

Program Type: Strategically Focused Research Network Institution: University of Utah City: Salt Lake City Project Title: RED-AF: Randomized Evaluation of Decision Support Interventions for Atrial Fibrillation Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$3,578,569

UTAH

Vanja Panic, BS

Program Type: Predoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Determining the mechanisms of insulin independent glucose uptake Award Start Date: 7/1/2017 Award End Date: 12/30/2019 Total Years: 2 Total Award Amount: \$53,688

UTAH

Ravi Ranjan, BS, MSE, PhD, MD

Program Type: Innovative Project Award Institution: University of Utah City: Salt Lake City Project Title: Computational Modeling Guided Ablation for Atrial Arrhythmias Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000



**American
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Association.**

UTAH

Heloisa Rutigliano, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Utah State University City: Logan Project Title: EFFECTS OF PREGNANCY AND PROGESTERONE ON ATRIAL FIBRILLATION IN A TRANSGENIC GOAT MODEL OF ATRIAL CARDIOMYOPATHY Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

UTAH

Max-Hinderk Schuler, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: Regulation of Mitochondrial Metabolism by the Mitochondrial Derived Compartment Pathway Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

UTAH

Craig Selzman, BA, MD

Program Type: Strategically Focused Research Network Institution: University of Utah City: Salt Lake City Project Title: Functional, metabolic, and patient-centered determinants of recovery in heart failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$580,800

UTAH

Maria Serrano, PhD, MSc, BS

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake City Project Title: The roles of Kmt2d in vasculogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

UTAH

Robert Silver, MD

Program Type: Strategically Focused Research Network Institution: University of Utah City: Salt Lake City Project Title: Maternal-fetal environment, epigenetics and complex congenital heart disease Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$1,086,800

UTAH

Tatiana Soboleva, BS

Program Type: Predoctoral Fellowship Institution: Utah State University City: Logan Project Title: Carbon Monoxide and Cardioprotection, New Flavonol-based Molecular Tools Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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UTAH

Josef Stehlik, MD, MPH

Program Type: Strategically Focused Research Network Institution: University of Utah
City: Salt Lake City Project Title: Patient-reported outcomes as an indicator of disease
transitions in heart failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total
Years: 4 Total Award Amount: \$1,042,800

UTAH

Martin Tristani-Firouzi, MD

Program Type: Strategically Focused Research Network Institution: University of Utah
City: Salt Lake City Project Title: Leveraging Big Data Science to Link Genomics,
Epigenetics and the Family to Improve the Health of Children with CHD Award Start
Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$580,800

UTAH

Anthony Verkerke, BS

Program Type: Predoctoral Fellowship Institution: University of Utah City: Salt Lake City
Project Title: Muscle phospholipid methylation modulates SERCA energy efficiency to
alter susceptibility for obesity Award Start Date: 7/1/2018 Award End Date: 6/30/2020
Total Years: 2 Total Award Amount: \$53,688

UTAH

Fei Wang, PhD, BS

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake
City Project Title: Role of Site-1 Protease-Derived Soluble (Pro)Renin Receptor in Water
Homeostasis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total
Award Amount: \$104,060

UTAH

Chuanming Xu, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Utah City: Salt Lake
City Project Title: Role of the intrarenal RAAS in regulation of kaliuresis Award Start
Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

UTAH

Mark Yandell, BA, PhD

Program Type: Strategically Focused Research Network Institution: University of Utah
City: Salt Lake City Project Title: An integrated data-science, transcriptomics, and
genomics approach to understanding Complex CHD Award Start Date: 7/1/2017 Award
End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$1,020,800



**American
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UTAH

Gengsheng Zeng, PhD

Program Type: Institute - AI and ML Institution: University of Utah City: Salt Lake City
Project Title: Sub-second image reconstruction for real-time cardiac MRI via machine-learning with complex weights Award Start Date: 7/1/2018 Award End Date: 6/30/2020
Total Years: 2 Total Award Amount: \$200,000

VERMONT

Zhaojin Li, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Vermont, Burlington
City: Burlington Project Title: Mechanisms of hypertension-induced vasoconstriction in
leptomeningeal anastomoses Award Start Date: 1/1/2019 Award End Date: 12/31/2020
Total Years: 2 Total Award Amount: \$53,688

VERMONT

Thomas Longden, BSC, PhD

Program Type: Scientist Development Grant Institution: University of Vermont,
Burlington City: Burlington Project Title: Vascular signaling plasticity in the brain Award
Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount:
\$231,000

VERMONT

Rachel Stadler, BS

Program Type: Predoctoral Fellowship Institution: University of Vermont, Burlington
City: Burlington Project Title: Is calcium the gear shift? The role of calcium-mediated
phosphorylation in *Toxoplasma gondii* motility Award Start Date: 1/1/2019 Award End
Date: 6/30/2021 Total Years: 2 Total Award Amount: \$53,688

VIRGINIA

Antonio Abbate, MD, PhD

Program Type: Collaborative Sciences Award Institution: Virginia Commonwealth
University, Richmond City: Richmond Project Title: Interleukin-1 Blockade for Treatment
of Cardiac Sarcoidosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$63,309

VIRGINIA

Redouane Aherrahrou, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: A novel mechanism by which the CAD risk gene MIA3
regulates phenotypic transition of vascular smooth muscle cells Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456



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VIRGINIA

Warren Anderson, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Investigating the role of KLF14 in gene expression
regulation and adipocyte metabolism Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$106,532

VIRGINIA

Souad Belmadani, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Eastern Virginia Medical School, Norfolk City: Norfolk Project Title: Interleukin-12 and
heart failure Award Start Date: 4/1/2018 Award End Date: 3/31/2020 Total Years: 2 Total
Award Amount: \$154,000

VIRGINIA

Kenneth Bilchick, MD, MSc, BA

Program Type: Transformational Project Award Institution: University of Virginia,
Charlottesville City: Charlottesville Project Title: Personalized Approach to Cardiac
Resynchronization Therapy Using High Dimensional Immunophenotyping Award Start
Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

VIRGINIA

Gamze Bulut, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Perivascular smooth muscle derived macrophage-like
cells maintain vessel integrity and respond to vascular remodeling Award Start Date:
1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

VIRGINIA

Patrick Calhoun, BS

Program Type: Predoctoral Fellowship Institution: Virginia Polytechnic Institute City:
Blacksburg Project Title: Adenovirus targets cardiac gap junctions to facilitate viral
replication Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

VIRGINIA

Salvatore Carbone, BS, MS, PhD

Program Type: Career Development Award Institution: Virginia Commonwealth
University, Richmond City: Richmond Project Title: Unsaturated Fatty Acids to Improve
Cardiorespiratory Fitness in Patients with Obesity and HFpEF Award Start Date:
4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000



**American
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VIRGINIA

John Chappell, PhD

Program Type: Transformational Project Award Institution: Virginia Polytechnic Institute
City: Blacksburg Project Title: Ischemia-induced Pericyte Loss and BBB Fragility Award
Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount:
\$300,000

VIRGINIA

Hong-Ru Chen, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Creatine/phosphocreatine for neuroprotection in
cerebral ischemia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$106,532

VIRGINIA

Zhiyong Cheng, PhD

Program Type: Transformational Project Award Institution: Virginia Polytechnic Institute
City: Blacksburg Project Title: Examining FoxO1 as a novel target for browning of white
adipose tissue Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3
Total Award Amount: \$299,749

VIRGINIA

Mete Civelek, PhD, MS, BS, BS

Program Type: Transformational Project Award Institution: University of Virginia,
Charlottesville City: Charlottesville Project Title: Genetic Regulation of Vascular Smooth
Muscle Gene Expression Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

VIRGINIA

Daniel Conway, PhD, BS

Program Type: Scientist Development Grant Institution: Virginia Commonwealth
University, Richmond City: Richmond Project Title: Role of VE-cadherin and PECAM-1
tension in endothelial cell barrier function, mechanotransduction, and wound repair
Award Start Date: 1/1/2016 Award End Date: 12/31/2019 Total Years: 4 Total Award
Amount: \$308,000



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VIRGINIA

Blaise Costa, BS, MS, PhD

Program Type: Scientist Development Grant Institution: Virginia College of Osteopathic Medicine City: Blacksburg Project Title: Development and Pharmacological Characterization of Mechanistically Distinct NMDA Receptor Allosteric Modulators Award Start Date: 1/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$308,000

VIRGINIA

Siva Teja Devarakonda, BS

Program Type: Predoctoral Fellowship Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Relaxin signaling in post myocardial infarction associated adverse remodeling Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

VIRGINIA

Anca Dobrian, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Eastern Virginia Medical School, Norfolk City: Norfolk Project Title: Investigating adipose tissue microvesicles as a link between obesity and vascular dysfunction Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

VIRGINIA

Jill Esquivel, BSN, MSN, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Getting in To Light Exercise in Heart Failure: GENTLE-HF Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

VIRGINIA

Xue Feng, PhD

Program Type: Career Development Award Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: A fully automatic quantification framework for myocardial perfusion imaging using cardiovascular magnetic resonance Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000



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VIRGINIA

Elena Galkina, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Eastern Virginia Medical School, Norfolk City: Norfolk Project Title: Modified LDL uptake, B cell receptor signaling, and atherosclerosis Award Start Date: 4/1/2018 Award End Date: 3/31/2020 Total Years: 2 Total Award Amount: \$154,000

VIRGINIA

Elena Galkina, PhD

Program Type: Innovative Project Award Institution: Eastern Virginia Medical School, Norfolk City: Norfolk Project Title: Role of sleep fragmentation in atherosclerosis and associated metabolic dysfunction Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$196,866

VIRGINIA

Catherine Gorick, BS

Program Type: Predoctoral Fellowship Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Ultrasound-targeted miR-199a inhibition to promote therapeutic revascularization Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

VIRGINIA

Omar Guessoum, BSC

Program Type: Predoctoral Fellowship Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Plasticity of Renin Cells in the Kidney Vasculature Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

VIRGINIA

Jeffrey Holmes, MD PhD

Program Type: Paul G. Allen Distinguished Investigator Award Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Information Storage and Retrieval in the Cardiac Extracellular Matrix Award Start Date: 10/1/2017 Award End Date: 9/30/2020 Total Years: 3 Total Award Amount: \$1,500,000

VIRGINIA

Kwangseok Hong, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Obesity-induced impairment of endothelial TRPV4 channel function Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060



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VIRGINIA

W Gregory Hundley, MD

Program Type: Collaborative Sciences Award Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Interleukin-1 Blockade for Treatment of Cardiac Sarcoidosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$43,608

VIRGINIA

Kavita Iyer, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Cryo EM and pharmacological study of hyperphosphorylated cardiac RyR Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

VIRGINIA

Scott Johnstone, BSC, PhD

Program Type: Career Development Award Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: connexin regulation of cell proliferation Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

VIRGINIA

Jennifer Jordan, BS, PhD, MS

Program Type: Collaborative Sciences Award Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Interleukin-1 Blockade for Treatment of Cardiac Sarcoidosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$143,049

VIRGINIA

Danielle Kirkman, BSC, MSc, PhD

Program Type: Career Development Award Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Chronic Kidney Disease and Heart Failure with Preserved Ejection Fraction: The Role of Mitochondrial Dysfunction Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

VIRGINIA

Jordana Kron, MD

Program Type: Collaborative Sciences Award Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Interleukin-1 Blockade for Treatment of Cardiac Sarcoidosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$500,034



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VIRGINIA

Sabrina La Salvia, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Subtypes of Leukocyte derived Extracellular Vesicles in
Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$103,328

VIRGINIA

Khalid Matrougui, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Eastern Virginia Medical School, Norfolk City: Norfolk Project Title: Omental fat impairs
VSMC function through interleukin-12 mechanism in obesity and type 2 diabetes Award
Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount:
\$154,000

VIRGINIA

Coleen Mcnamara, MD

Program Type: Innovative Project Award Institution: University of Virginia,
Charlottesville City: Charlottesville Project Title: Precision Immune Phenotyping for
Personalized Therapy for Cardiovascular Disease Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

VIRGINIA

Laura Payne, PhD

Program Type: Postdoctoral Fellowship Institution: Virginia Polytechnic Institute City:
Blacksburg Project Title: Pericyte cooperation in vessel formation by VEGF-A-regulated
production of collagen-III and -IV by endothelial cells Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

VIRGINIA

Roza Przanowska, MSc

Program Type: Predoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Structure-function studies of lncRNAs involved in
myogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688



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VIRGINIA

Paula Rodriguez Miguelez, PhD, MS

Program Type: Career Development Award Institution: Virginia Commonwealth University, Richmond City: Richmond Project Title: Improving Cardiovascular Health in Patients with Chronic Obstructive Pulmonary Disease: a Mechanistic Approach Award Start Date: 7/1/2018 Award End Date: 8/31/2020 Total Years: 3 Total Award Amount: \$231,000

VIRGINIA

Palak Shah, BS, MD, MS

Program Type: Scientist Development Grant Institution: Inova Fairfax Hospital City: Falls Church Project Title: MicroRNA Biomarkers of Allograft Rejection in Cardiac Transplantation Award Start Date: 7/1/2017 Award End Date: 9/30/2020 Total Years: 3 Total Award Amount: \$229,416

VIRGINIA

Soham Shah, BS

Program Type: Predoctoral Fellowship Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Molecular Mechanisms of MRI Adenosine Stress T1 Mapping Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

VIRGINIA

Andrew Southerland, MD, MSc

Program Type: Innovative Project Award Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Characterization of Abnormal Eye Movements in Posterior Circulation Stroke using Computer Vision Analysis Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

VIRGINIA

George Souza, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville City: Charlottesville Project Title: Regulation of sympathetic activity and blood pressure by C1 neurons during hemorrhage Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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VIRGINIA

Prasad Srikakulapu, PhD

Program Type: Career Development Award Institution: University of Virginia,
Charlottesville City: Charlottesville Project Title: Chemokine Receptor-6 Regulates B-1
Cell Homing to Perivascular Adipose Tissue, IgM Production and Atheroprotection
Award Start Date: 7/1/2018 Award End Date: 8/30/2021 Total Years: 3 Total Award
Amount: \$231,000

VIRGINIA

Matthew Van Houten, BSE, MS

Program Type: Predoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Rapid Magnetization Transfer Imaging of Myocardial
Fibrosis Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total
Award Amount: \$53,688

VIRGINIA

Liming Yu, PhD

Program Type: Postdoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Oct4 dependent expression of the adiponectin
receptor T-cadherin promotes SMC investment into atherosclerotic lesions Award Start
Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

VIRGINIA

Ruixi Zhou, BA, MS

Program Type: Predoctoral Fellowship Institution: University of Virginia, Charlottesville
City: Charlottesville Project Title: Simultaneous Cine And T1 mapping SPiral Acquisition
with Respiratory and Cardiac Self-gating (CAT-SPARCS) Award Start Date: 1/1/2019
Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$53,688

WASHINGTON

Effie Bastounis, BS, MS, PhD

Program Type: Career Development Award Institution: University of Washington,
Seattle City: Seattle Project Title: Role of biomechanical cues in modulating infection of
endothelial cells by pathogenic bacteria Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

WASHINGTON

Clemens Cabernard, PhD

Program Type: Innovative Project Award Institution: University of Washington, Seattle
City: Seattle Project Title: Molecular and biophysical changes associated with stem cell
aging Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award
Amount: \$199,987



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WASHINGTON

Fanette Chassagne, PhD

Program Type: Postdoctoral Fellowship Institution: University of Washington, Seattle
City: Seattle Project Title: In vitro and in silico studies of surgical planning of pediatric
coarctation repair Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$104,060

WASHINGTON

Panshak Dakup, BA

Program Type: Predoctoral Fellowship Institution: Washington State University,
Spokane City: Spokane Project Title: Harnessing the circadian clock to attenuate
radiation-induced cardiotoxicity Award Start Date: 1/1/2019 Award End Date:
12/31/2020 Total Years: 2 Total Award Amount: \$53,688

WASHINGTON

Selasi Dankwa, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Seattle Children's Hospital City:
Seattle Project Title: Characterization of host kinases and kinase inhibitors that regulate
barrier properties in human brain endothelial cells Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

WASHINGTON

Wenji Dong, MS, PhD

Program Type: Innovative Project Award Institution: Washington State University,
Pullman City: Pullman Project Title: Targeted in situ/in vivo Reconstitution of Myosin
Binding Protein C (MyBP-C) in the C-Zone of Cardiac Sarcomeres Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

WASHINGTON

Mauricio Dorfman, PhD

Program Type: Scientist Development Grant Institution: University of Washington,
Seattle City: Seattle Project Title: Sex-specific microglial signaling in the pathogenesis
of obesity and diabetes Award Start Date: 1/1/2016 Award End Date: 12/31/2019 Total
Years: 4 Total Award Amount: \$308,000

WASHINGTON

Julia Dreifus, BS

Program Type: Predoctoral Fellowship Institution: University of Washington, Seattle
City: Seattle Project Title: Defining the Staphylococcus biofilm matrix proteome Award
Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:
\$53,688



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WASHINGTON

Miles Freeman, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Washington, Seattle
City: Seattle Project Title: Cardiomyocyte Dedifferentiation and Proliferation via Partial
Reprogramming Award Start Date: 1/1/2019 Award End Date: 2/28/2021 Total Years: 2
Total Award Amount: \$53,688

WASHINGTON

Holly Jacobs, BA

Program Type: Predoctoral Fellowship Institution: University of Washington, Seattle
City: Seattle Project Title: Identifying and characterizing extracellular matrix-
associated proteins in *Pseudomonas aeruginosa* Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

WASHINGTON

Takuya Kaneko, PhD

Program Type: Postdoctoral Fellowship Institution: Fred Hutchinson Cancer Research
Center, Seattle City: Seattle Project Title: Topographic Separation of Sensory-Motor
Reflex Circuits in the Zebrafish Vagus System Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

WASHINGTON

Sarah Kwon, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Institute for Systems Biology City:
Seattle Project Title: Elucidating Liver X Receptor Protein Interaction Network in
Response to Sterol-Inflammatory Crosstalk in Macrophages Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

WASHINGTON

Julio Lamprea-Montealegre, MD, MPH, PhD

Program Type: Postdoctoral Fellowship Institution: University of Washington, Seattle
City: Seattle Project Title: The dyslipidemia of ESRD: role of triglyceride rich-lipoproteins
and association with cardiovascular events. Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$122,960

WASHINGTON

Peter Leary, MD, BA, BS, MS

Program Type: Scientist Development Grant Institution: University of Washington,
Seattle City: Seattle Project Title: Histaminic Signaling in Pulmonary Arterial
Hypertension Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3
Total Award Amount: \$231,000



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WASHINGTON

Michael Levitt, BA, MD

Program Type: Career Development Award Institution: University of Washington, Seattle City: Seattle Project Title: Improving computational modeling of cerebral aneurysm flow-diverting stent treatment through platelet simulations Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

WASHINGTON

Qinghang Liu, PhD

Program Type: Transformational Project Award Institution: University of Washington, Seattle City: Seattle Project Title: Molecular regulation of programmed necrosis in the heart Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WASHINGTON

Michael Portman, MD

Program Type: Transformational Project Award Institution: Seattle Children's Hospital City: Seattle Project Title: Role of individual nitric oxide synthases for cerebral protection during circulatory arrest Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WASHINGTON

Thomas Rea, MD, MPH

Program Type: Strategically Focused Research Network Institution: University of Washington, Seattle City: Seattle Project Title: Precision Medicine Resuscitation: Novel Strategy for Real-Time Rhythm Assessment during CPR in Men and Women Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$893,316

WASHINGTON

Hannele Ruohola-Baker, PhD

Program Type: Innovative Project Award Institution: University of Washington, Seattle City: Seattle Project Title: Directed trans-differentiation for heart regeneration Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

WASHINGTON

Dan Shao, PhD

Program Type: Career Development Award Institution: University of Washington, Seattle City: Seattle Project Title: beneficial effect of increasing FAO on HFD induced cardiomyopathy Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000



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WASHINGTON

Nona Sotoodehnia, MD, MD

Program Type: Strategically Focused Research Network Institution: University of Washington, Seattle City: Seattle Project Title: Genomic and Precision Medicine Approaches to Evaluate Sex-Specific Sudden Cardiac Arrest Risk and Resuscitation Outcomes Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$580,800

WASHINGTON

Moritz Stolla, PhD, MD

Program Type: Career Development Award Institution: Bloodworks Northwest City: Seattle Project Title: Cold-stored platelets to reverse dual antiplatelet therapy Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$228,690

WASHINGTON

Brenton Swenson, BS, MPA

Program Type: Predoctoral Fellowship Institution: University of Washington, Seattle City: Seattle Project Title: Stroke prediction using genetic risk scores in African Americans with atrial fibrillation Award Start Date: 1/1/2019 Award End Date: 12/31/2019 Total Years: 1 Total Award Amount: \$26,844

WASHINGTON

Bert Tanner, PhD, BS

Program Type: Scientist Development Grant Institution: Washington State University, Pullman City: Pullman Project Title: Effects of myosin phosphorylation on length-dependent cross-bridge kinetics Award Start Date: 1/1/2017 Award End Date: 12/31/2019 Total Years: 3 Total Award Amount: \$231,000

WASHINGTON

Bert Tanner, PhD, BS

Program Type: Transformational Project Award Institution: Washington State University, Pullman City: Pullman Project Title: Thick-filament regulation in human heart failure Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WASHINGTON

Dennis Wang, PhD, MD

Program Type: Postdoctoral Fellowship Institution: University of Washington, Seattle City: Seattle Project Title: Nicotinamide riboside supplementation to enhance myocardial mitochondrial function in heart failure Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$125,120



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WASHINGTON

Wang Wang, PhD, MD

Program Type: Established Investigator Award Institution: University of Washington, Seattle City: Seattle Project Title: Mitochondrial fission protein DRP1 in metabolic heart disease Award Start Date: 1/1/2018 Award End Date: 12/31/2022 Total Years: 5 Total Award Amount: \$400,000

WASHINGTON

David Watkins, MD, MPH

Program Type: Strategically Focused Research Network Institution: University of Washington, Seattle City: Seattle Project Title: Building a Case to Invest in Rheumatic Heart Disease Prevention and Control in Limited Resource Settings Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$399,661

WASHINGTON

Haodong Xu, PhD, MD

Program Type: Transformational Project Award Institution: University of Washington, Seattle City: Seattle Project Title: beta-catenin/TCF4 signaling and cardiac arrhythmia in ischemic heart disease Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WASHINGTON

Chun Yuan, PhD

Program Type: Institute - AI and ML Institution: University of Washington, Seattle City: Seattle Project Title: Automated Vessel Wall Screening to Predict Cardiovascular Risk Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$199,492

WASHINGTON

Huilang Zhang, PhD, MS, BS

Program Type: Career Development Award Institution: University of Washington, Seattle City: Seattle Project Title: Mechanisms of mitochondrial function rejuvenation to restore diastolic dysfunction Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

WASHINGTON

Yiqiang Zhang, BS, MSc, PhD

Program Type: Innovative Project Award Institution: University of Washington, Seattle City: Seattle Project Title: Visualization and Bioengineering of Cardiomyocyte Epigenetics Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000



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WASHINGTON

Bo Zhou, PhD

Program Type: Postdoctoral Fellowship Institution: University of Washington, Seattle
City: Seattle Project Title: A novel mitochondrial mechanism for increased glycolysis in
heart with pathological hypertrophy Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$110,456

WEST VIRGINIA

Eric Kelley, BS, MS, PhD

Program Type: Transformational Project Award Institution: West Virginia University -
Health Sciences Center City: Morgantown Project Title: Protective Role for Xanthine
Oxidase in Heme-Induced Vascular Injury Award Start Date: 7/1/2019 Award End Date:
6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WEST VIRGINIA

Jung Han Kim, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Marshall University Research Corporation, Huntington City: Huntington Project Title: A
link between genetic variants and obesity susceptibility Award Start Date: 4/1/2018
Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

WEST VIRGINIA

Shreya Tapan Mukherji, BS

Program Type: Predoctoral Fellowship Institution: Marshall University Research
Corporation, Huntington City: Huntington Project Title: Renal Proximal Tubule Na,K-
ATPase-alpha1/Src signaling mediated salt handling and blood pressure regulation
Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award
Amount: \$53,688

WEST VIRGINIA

Sandrine Pierre, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Marshall University Research Corporation, Huntington City: Huntington Project Title:
The Na/K-ATPase receptor function as a novel therapeutic target in myocardial
infarction Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total
Award Amount: \$154,000

WEST VIRGINIA

Nalini Santanam, PhD, MPH

Program Type: Undergraduate fellowship Institution: Marshall University Research
Corporation, Huntington City: Huntington Project Title: AHA Summer Undergraduate



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Student Research Program at Marshall University Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total Years: 3 Total Award Amount: \$60,000

WEST VIRGINIA

Yunhui Xu, PhD

Program Type: Postdoctoral Fellowship Institution: Marshall University Research Corporation, Huntington City: Huntington Project Title: Biased ligands of Na/K-ATPase signaling Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

WISCONSIN

Francisco Alvarado, PharmD, PhD

Program Type: Career Development Award Institution: University of Wisconsin, Madison City: Madison Project Title: Novel Mechanisms of Cardiac Arrhythmia in a Rabbit Model of CPVT Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

WISCONSIN

Deanna Arble, PhD

Program Type: Scientist Development Grant Institution: Marquette University City: Milwaukee Project Title: The role of neuronal leptin in the pathogenesis, and treatment, of sleep apnea and cardiometabolic disease. Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

WISCONSIN

Jill Barnes, PhD, MA, BS

Program Type: Innovative Project Award Institution: University of Wisconsin, Madison City: Madison Project Title: Does time-restricted feeding normalize diurnal blood pressure patterns and neurovascular control mechanisms? Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

WISCONSIN

Yiliang Chen, PhD

Program Type: Scientist Development Grant Institution: Versiti Wisconsin, Inc. City: Milwaukee Project Title: Na/K-ATPase-mediated signaling in the development of atherosclerosis Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$231,000

WISCONSIN

John Henry Dasinger, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Medical College of Wisconsin City:



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Milwaukee Project Title: Contribution of T lymphocytes in the development of maternal syndrome in Dahl SS rats Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

WISCONSIN

Kara Goss, MD

Program Type: Career Development Award Institution: University of Wisconsin, Madison City: Madison Project Title: Impaired Cardiac Functional and Metabolic Efficiency in Young Adults Born Preterm Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

WISCONSIN

Phil Lange, BS

Program Type: Predoctoral Fellowship Institution: Medical College of Wisconsin City: Milwaukee Project Title: Beyond the Liver: A novel antiviral role for liver X receptors Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

WISCONSIN

Woojong Lee, BS

Program Type: Predoctoral Fellowship Institution: University of Wisconsin, Madison City: Madison Project Title: A novel adjuvanted atherosclerosis vaccine for eliciting humoral and cell-mediated immunity Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

WISCONSIN

Bo Liu, PhD

Program Type: Mentor-AHA Mentee Award Institution: University of Wisconsin, Madison City: Madison Project Title: Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$60,000

WISCONSIN

Bo Liu, PhD

Program Type: Undergraduate fellowship Institution: University of Wisconsin, Madison City: Madison Project Title: Cardiovascular Research Training Program for Undergraduate Students Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total Years: 3 Total Award Amount: \$60,000

WISCONSIN

Ahmed Mahmoud, PhD

Program Type: Career Development Award Institution: University of Wisconsin, Madison



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City: Madison Project Title: NERVE-GUIDANCE OF POST-ISCHEMIC HEART
REGENERATION Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3
Total Award Amount: \$231,000

WISCONSIN

Akiko Mammoto, MD, PhD

Program Type: Transformational Project Award Institution: Medical College of Wisconsin
City: Milwaukee Project Title: Twist1 in age-related changes in angiogenesis Award Start
Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

WISCONSIN

Victoria Nasci, BA

Program Type: Predoctoral Fellowship Institution: Medical College of Wisconsin City:
Milwaukee Project Title: microRNA Contribution to CVD with ESRD and Peritoneal
Dialysis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

WISCONSIN

Oleg Palygin, BS, MS, PhD

Program Type: Scientist Development Grant Institution: Medical College of Wisconsin
City: Milwaukee Project Title: Intravital Imaging of the Kidney in a Rat Model of Salt-
Sensitive Hypertension Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total
Years: 3 Total Award Amount: \$231,000

WISCONSIN

Michaela Patterson, PhD, BS

Program Type: Career Development Award Institution: Medical College of Wisconsin
City: Milwaukee Project Title: Exploiting natural variation to understand mechanisms of
heart regeneration Award Start Date: 7/1/2018 Award End Date: 8/30/2021 Total Years: 3
Total Award Amount: \$231,000

WISCONSIN

Denisha Spires, BS

Program Type: Predoctoral Fellowship Institution: Medical College of Wisconsin City:
Milwaukee Project Title: Role of the TRPC6 Channel in the Progression of Diabetic
Nephropathy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$53,688

WISCONSIN

Alexander Staruschenko, BS, MS, PhD, DSc

Program Type: Established Investigator Award Institution: Medical College of Wisconsin



**American
Heart
Association.**

City: Milwaukee Project Title: Role of ENaC-mediated sodium reabsorption in the development of PKD Award Start Date: 1/1/2016 Award End Date: 12/31/2020 Total Years: 5 Total Award Amount: \$400,000

WISCONSIN

Christopher Sundberg, PhD

Program Type: Postdoctoral Fellowship Institution: Marquette University City: Milwaukee Project Title: Mechanisms of fatigue in older adults: Role of vascular function and bioenergetics Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

WISCONSIN

Matthew Tattersall, DO

Program Type: Career Development Award Institution: University of Wisconsin, Madison City: Madison Project Title: Asthma Phenotypes and Subclinical Cardiovascular Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

WISCONSIN

Michael Thomas, PhD

Program Type: Transformational Project Award Institution: Medical College of Wisconsin City: Milwaukee Project Title: Bidirectional Cholesterol Transport: How does PCPE2 modulate SR-BI activity? Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WISCONSIN

Aaron Ward, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Wisconsin, Madison City: Madison Project Title: Cerebrovascular Regulation in Children: Impact of Insulin Resistance Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

WISCONSIN

Nathan Wlodarchak, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Wisconsin, Madison City: Madison Project Title: Improving kinase inhibitor specificity using a novel spectrometric method to assess local conformational dynamics Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

WISCONSIN

Baul Yoon, BS



**American
Heart
Association.**

Program Type: Predoctoral Fellowship Institution: University of Wisconsin, Madison City: Madison Project Title: The role of retinal astrocytes in endothelial development Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

WISCONSIN

Nur Zafirah Zaidan, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Wisconsin, Madison City: Madison Project Title: Role of chromatin in the early cardiomyocyte lineage Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

WISCONSIN

Chi Zhou, PhD, MSc

Program Type: Career Development Award Institution: University of Wisconsin, Madison City: Madison Project Title: Preeclampsia dysregulates fetal endothelial responses to growth factors and cytokines Award Start Date: 4/1/2019 Award End Date: 7/31/2022 Total Years: 3 Total Award Amount: \$231,000

WYOMING

Wei Guo, BS, PhD

Program Type: Transformational Project Award Institution: University of Wyoming City: Laramie Project Title: Cytoplasmic trafficking of titin mRNA binding protein 20 in heart failure progression Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

WYOMING

Guanglong He, PhD

Program Type: Transformational Project Award Institution: University of Wyoming City: Laramie Project Title: Targeting the underlying inflammation in obesity-associated myocardial dysfunction Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

WYOMING

Qiurong Wang, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Wyoming City: Laramie Project Title: Molecular mechanism of maternal obesity elevated cortisol induced term fetal cardiac dysfunction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060