

American Heart Association Awardees in Alpha Order by State

Last Update: August 2018

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GEORGIA

Abdelsaid, Mohammed BA, MS

Program Type: Scientist Development Grant **Institution:** Mercer University School of Medicine **City:** Savannah **Project Title:** Role of pericytes in diabetes-induced pathological cerebral neovascularization. **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Al Badri, Ahmed MD

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Peripheral Vascular Function and Structure in Coronary Microvascular Dysfunction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$118,628

GEORGIA

Alonso, Alvaro MD, MPH

Program Type: Established Investigator Award **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Atrial fibrillation: epidemiology, prevention, and outcomes **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2020 **Total Years:** 5 **Total Award Amount:** \$400,000

GEORGIA

Aonuma, Tatsuya MD, PhD

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** The axis of long noncoding RNA MIAT and microRNA-150 in acute myocardial infarction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Ash, Dipankar PhD

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Cu transporter ATP7A promotes angiogenesis by limiting autophagic degradation of VEGFR2 **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$104,060

GEORGIA

Atawia, Reem BS, MS

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Role of arginase in obesity-induced vascular endothelial and adipocyte dysfunction **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Bae, Seongho PhD, MS

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Cardiac repair by enhanced vascularization with ETV2 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

GEORGIA

Bagi, Zsolt PhD, MD

Program Type: Grant-in-Aid **Institution:** Augusta University **City:** Augusta **Project Title:** Adenosine kinase regulation of conducted vasodilation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Baltrus, Peter

Program Type: Strategically Focused Research Network **Institution:** Morehouse School of Medicine **City:** Atlanta **Project Title:** Population Project: Social and Environmental Factors contributing to Cardiovascular Risk and Resilience among Blacks **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$681,367

GEORGIA

Barany, Deborah BA, MA

Program Type: Postdoctoral Fellowship **Institution:** University of Georgia **City:** Augusta **Project Title:** Abnormally High Activation in Motor Cortex after Stroke: Reorganization or Increased Motor Demand? **Award Start Date:** 7/1/2018 **Award End Date:** 7/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Butcher, Joshua PhD, MS

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Augmented Muscle Mass Prevents Obesity-Derived Hypertension **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$106,350

GEORGIA

Cui, Xiaobing MD, PhD

Program Type: Scientist Development Grant **Institution:** University of Georgia, Athens **City:** Athens

Project Title: Response gene to complement 32 in pulmonary arterial hypertension **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Czikora, Istvan PhD, MSc

Program Type: Scientist Development Grant **Institution:** Augusta University **City:** Augusta **Project Title:** Direct ENaC activation preserves capillary barrier function in pneumonia **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Davila, Alec BS

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Impaired conducted vasodilation in HFpEF **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Dedhia, Raj MD, MS

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea on Sympathetic Activity **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Dhandapani, Krishnan BS, MS

Program Type: Grant-in-Aid **Institution:** Augusta University **City:** Augusta **Project Title:** Astrocyte mediated hematoma resolution after ICH **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Easley, Thomas BS, MS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation **City:** Atlanta **Project Title:** Quantification of Mitral Valve-In-Ring Performance and Safety **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Espinosa-Garcia, Claudia BSc, MSc

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Microglial polarization and BDNF signaling: New targets for progesterone against global cerebral ischemia **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Fernandez Esmerats, Joan BS, MS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation **City:** Atlanta
Project Title: Role of miR-1237-3p in aortic valve disease **Award Start Date:** 7/1/2017 **Award End Date:**
6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Florentin, Anat BSC, MSc

Program Type: Postdoctoral Fellowship **Institution:** University of Georgia, Athens **City:** Athens **Project Title:**
The Function of the Bacterial Clp Complex in the Apicoplast of Malaria Parasites **Award Start Date:**
7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

GEORGIA

Fouda, Abdelrahman BSC, PhD

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Role
of arginase 1 in retinal ischemia-reperfusion injury **Award Start Date:** 7/1/2018 **Award End Date:**
6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

GEORGIA

Garber, Michael MPH, BA

Program Type: Predoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:**
Evaluating the effect of bike infrastructure on population-level cycling in Atlanta using smartphone-
generated data **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award
Amount:** \$53,688

GEORGIA

Gillis, Ellen MS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Sex
differences in renal Treg recruitment and maintenance in SHR **Award Start Date:** 7/1/2018 **Award End
Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Han, Pengcheng PhD

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:**
Deriving left ventricular cardiomyocytes from human induced pluripotent stem cells **Award Start Date:**
7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

GEORGIA

Hernandes, Marina PhD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project**

Title: Polymerase Delta-interacting Protein 2 Deficiency Protects Against Blood Brain Barrier Permeability following stroke **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Ibrahim, Ahmed PhD

Program Type: Career Development Award **Institution:** Augusta University **City:** Augusta **Project Title:** Dissecting and Targeting Deregulated Endothelial Metabolism in Diabetes-Induced Microvasculopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Kim, Il-Man PhD

Program Type: Transformational Project Award **Institution:** Augusta University **City:** Augusta **Project Title:** The novel role of microRNA-532-5p/prss23 axis in regulating cardiac vascularization during acute myocardial infarction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

GEORGIA

Kim, Yongtae PhD

Program Type: Scientist Development Grant **Institution:** Georgia Tech Research Corporation **City:** Atlanta **Project Title:** Engineering of anti-miRNA Transporting HDL for Treating Endothelial Inflammation in Experimental Atherosclerosis **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

GEORGIA

Kovacs, Laszlo MSc, PhD

Program Type: Career Development Award **Institution:** Augusta University **City:** Augusta **Project Title:** HDAC6 regulates calpain activation in airway and pulmonary vascular remodeling in COPD **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Kovacs-Kasa, Anita PhD, MSc

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** HDAC7 in MLCP-mediated endothelial barrier preservation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

GEORGIA

Kwong, Jennifer PhD, BA

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Defining the role of MCUb in the regulation of cardiac mitochondrial calcium sensing, metabolism

and survival **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

GEORGIA

Levit, Rebecca MD

Program Type: Innovative Project Award **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** The role of lymphatics in cardiac transplant allograft dysfunction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,993

GEORGIA

Li, Jie PhD

Program Type: Scientist Development Grant **Institution:** Augusta University **City:** Augusta **Project Title:** Role of Ufm1 conjugation in the heart **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Lin, Huiping BS

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Macropinocytosis: The Macrophage Drinking Problem Behind Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Liu, Ting MD

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Role of Class III Phosphatidylinositol-3 Kinase in Compensatory Nephron Hypertrophy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Liu, Xu BS, MS

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Structure-function of tafazzin in cardiac muscle wasting **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Mamenko, Mykola PhD

Program Type: Scientist Development Grant **Institution:** Augusta University **City:** Augusta **Project Title:** The role of capacitative calcium entry in AVP-dependent water transport by the kidney **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

GEORGIA

Naqvi, Nawazish PhD, MSc

Program Type: Grant-in-Aid **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Identifying mechanism of T3 mediated proliferation in mitotically quiescent cardiomyocytes **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Nowak, Scott PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) **Institution:** Kennesaw State University Research and Service Foundation **City:** Kennesaw **Project Title:** The role of Akirin during heart development **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2020 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

O'Neill, W Charles BS, MD

Program Type: Innovative Project Award **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Mobilization of osteoclasts to treat vascular calcification **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,624

GEORGIA

Onohara, Daisuke MD PhD

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Strategy to Suppress Left Ventricular Remodeling in Secondary Ischemic Mitral Regurgitation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$118,628

GEORGIA

Osman, Islam BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** The role of TEA Domain Transcription Factor 1 in Vascular Smooth Muscle Cell proliferation and Neointima Formation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Palmer, Jacqueline PT, BS

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Cortical connectivity during functional balance reactions in stroke survivors **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

GEORGIA

Platt, Manu PhD, BS

Program Type: Grant-in-Aid **Institution:** Georgia Tech Research Corporation **City:** Atlanta **Project Title:** Mechanisms for and prevention of large artery damage due to sickle cell disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Qiu, Hong PhD

Program Type: Scientist Development Grant **Institution:** University of Georgia, Athens **City:** Athens **Project Title:** Dissect Role of Heparan Sulfate from NG2+ Cells in Hematopoietic Stem Cell Function **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Quyyumi, Arshed MBBS, MD

Program Type: Strategically Focused Research Network **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Impact of technology-based Intervention for improving self-management behaviors in Black adults **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$1,267,222

GEORGIA

Ramadhin, Jessica BA

Program Type: Predoctoral Fellowship **Institution:** University of Georgia Research Foundation, Inc. **City:** Athens **Project Title:** Natural Human Milk Sugar, LNFPIII, as a Therapeutic for Obesity & Metabolic Syndrome **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

GEORGIA

Rezvan, Amir MD, MS

Program Type: Innovative Research Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** The role of liver fibrosis in atherosclerosis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$150,000

GEORGIA

Rodriguez Miguelez, Paula PhD, MS

Program Type: Career Development Award **Institution:** Augusta University **City:** Augusta **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

GEORGIA

Romero, Maritza MD, DSc

Program Type: Grant-in-Aid **Institution:** Augusta University **City:** Augusta **Project Title:** Role of Growth

Hormone Releasing Hormone (GHRH) receptor in diabetes-associated dyslipidemia **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Rudic, Dan PhD

Program Type: Grant-in-Aid **Institution:** Augusta University **City:** Augusta **Project Title:** Vascular clock mechanisms in remodeling and atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Sayed Razavi Rizi, Mohammad MS, BS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation **City:** Atlanta **Project Title:** Quantifying the role of mechanical-overloads in maladaptive growth and remodeling of collecting lymphatic vessels. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Searles, Charles MD, BA

Program Type: Strategically Focused Research Network **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** MicroRNA and metabolic profiles associated with social and environmental risk factors in blacks **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$1,141,382

GEORGIA

Sielicka, Alicja PhD

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Surgical repair induced leaflet fibrosis and its inhibition in mitral valve repair **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$114,368

GEORGIA

Singla, Bhupesh BSC, MSc

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** Matrix regulation of lymphangiogenesis in atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$104,060

GEORGIA

Sullivan, Jennifer PhD

Program Type: Established Investigator Award **Institution:** Augusta University **City:** Augusta **Project Title:** Role of T cells in salt-sensitive females **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2021 **Total Years:** 5 **Total Award Amount:** \$400,000

GEORGIA

Sun, Wei PhD

Program Type: Transformational Project Award **Institution:** Georgia Tech Research Corporation **City:** Atlanta **Project Title:** A Machine Learning Based Approach for Geometry Modeling and In Vivo Material Property Estimation of Thoracic Aorta **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

GEORGIA

Sun, Yu-Yo PhD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Acute Therapy and Primary Stroke Prevention in Humanized Sickle Mice **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Takemiya, Kiyoko PhD, MD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** A new near-infrared fluorescent imaging probe for specific detection of bacterial device infection **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Tawfik, Amany MD, MSc

Program Type: Scientist Development Grant **Institution:** Augusta University **City:** Augusta **Project Title:** Retinal Endothelial Cell Barrier Dysfunction in Hyperhomocysteinemia; Potential Role in Diabetic Retinopathy **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Taylor, Herman MD, MPH

Program Type: Strategically Focused Research Network **Institution:** Morehouse School of Medicine **City:** Atlanta **Project Title:** Biological and socio-cultural determinants and management of Cardiovascular Health Factors in Multi-ethnic Populations **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$619,229

GEORGIA

Trac, David BS, BA

Program Type: Predoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Improving the therapeutic functionality of child cardiac progenitor cells by spherical aggregation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

GEORGIA

Trusty, Phillip BS, MS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation **City:** Atlanta
Project Title: Improved Management of Fontan Associated Liver Disease: A hemodynamic approach
Award Start Date: 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Tucker, Matthew BS, MA

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:**
Improving Vascular Health in Cystic Fibrosis: A Mechanistic Approach **Award Start Date:** 7/1/2018
Award End Date: 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

GEORGIA

Wang, Jihu BS, PhD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:**
Dissecting the directional regeneration of ventricular epicardium **Award Start Date:** 7/1/2015
Award End Date: 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

GEORGIA

Wang, Mong-Heng PhD

Program Type: Grant-in-Aid **Institution:** Augusta University **City:** Augusta **Project Title:** Interaction of
sEH and angiotensin II in retinopathy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total**
Years: 2 **Total Award Amount:** \$154,000

GEORGIA

Wang, Pengfei BS, MS

Program Type: Postdoctoral Fellowship **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:**
Targeted Delivery of anti-miR-712 to Inhibit Atherosclerosis using DNA Nanoparticles **Award Start Date:**
7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

GEORGIA

Wang, Xiaonan MD

Program Type: Institute - Bayer Discovery Grant **Institution:** Emory University, Atlanta **City:** Atlanta
Project Title: Treatment of muscle atrophy yields benefits for the heart through exosome carried
microRNA **Award Start Date:** 7/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award**
Amount: \$150,000

GEORGIA

Wang, Yanhua PhD, MS

Program Type: Career Development Award **Institution:** Emory University, Atlanta **City:** Atlanta **Project**

Title: Role of a vasoactive hormone, adrenomedullin in mediating urine concentrating ability **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Wei, Zheng PhD

Program Type: Career Development Award **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Glial reprogramming combined with iPS-NPC transplantation as a novel neuroregenerative therapy after ischemic stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Williams, Clintoria PhD, BS

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City:** Atlanta **Project Title:** Selective regulation of distal nephron sodium handling by calcineurin isoforms **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

GEORGIA

Xue, Bingzhong PhD

Program Type: Grant-in-Aid **Institution:** Georgia State University **City:** Atlanta **Project Title:** Neurotrophin 3 regulates brown/beige adipocyte thermogenesis via sympathetic innervation of adipose tissue. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Yao, Yao BS, MS

Program Type: Scientist Development Grant **Institution:** University of Georgia, Athens **City:** Athens **Project Title:** Pericytic laminin regulates pericyte differentiation and blood vessel integrity in the brain **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Yin, Hang PhD

Program Type: Grant-in-Aid **Institution:** University of Georgia, Athens **City:** Athens **Project Title:** Functions of Lin28a in brown adipose lineage determination and thermogenic activation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Yu, Liqing PhD, MD

Program Type: Grant-in-Aid **Institution:** Georgia State University **City:** Atlanta **Project Title:** Macrophage Triglyceride Hydrolysis and Atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Yue, Jingwen BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Georgia, Athens **City:** Athens **Project Title:** The role of heparan sulfate in fibrinolysis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

GEORGIA

Zhang, Quanguang PhD

Program Type: Innovative Project Award **Institution:** Augusta University **City:** Augusta **Project Title:** Combination Treatment with Pulsed Electromagnetic Field and Hypothermia in Global Cerebral Ischemia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

GEORGIA

Zhou, An PhD

Program Type: Grant-in-Aid **Institution:** Morehouse School of Medicine **City:** Atlanta **Project Title:** TrxG proteins as novel epigenetic regulators of neuronal excitability and their roles in ischemic stroke **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

GEORGIA

Zhou, Hongyi PhD, MS

Program Type: Career Development Award **Institution:** Augusta University **City:** Augusta **Project Title:** Neddylation in Adipose Tissue Development and Obesity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

GEORGIA

Zhou, Jiliang PhD, MD

Program Type: Established Investigator Award **Institution:** Augusta University **City:** Augusta **Project Title:** Novel role of the lncRNA NEAT1 in smooth muscle phenotypic modulation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2021 **Total Years:** 5 **Total Award Amount:** \$400,000

GEORGIA

Zou, Jianqiu PhD

Program Type: Postdoctoral Fellowship **Institution:** Augusta University **City:** Augusta **Project Title:** A novel posttranslational mechanism underlying cardiac metabolic maturation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$104,060

HAWAII

Anderson, Cynthia BS, MA

Program Type: Postdoctoral Fellowship **Institution:** University of Hawaii **City:** Honolulu **Project Title:**

High Intensity Focused Ultrasound for Therapeutic Gene Transfer **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

HAWAII

Bratincsak, Andras MD PhD

Program Type: Transformational Project Award **Institution:** Hawaii Pacific Health **City:** Honolulu **Project Title:** Doxycycline treatment to prevent coronary artery lesions in Kawasaki disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

HAWAII

Schunke, Kathryn PhD

Program Type: Career Development Award **Institution:** University of Hawaii **City:** Honolulu **Project Title:** HIF-1 Activity can be Inhibited in the Heart by Protein Kinase C Binding Protein 1 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

HAWAII

Tallquist, Michelle PhD

Program Type: Grant-in-Aid **Institution:** University of Hawaii **City:** Honolulu **Project Title:** Role of Tcf21 in cardiac fibroblasts **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

IDAHO

Beard, Richard BS, PhD

Program Type: Scientist Development Grant **Institution:** Boise State University **City:** Boise **Project Title:** Mechanisms for Oncostatin M Induced TAMP Repression and Barrier Dysfunction in Cerebral Microvascular Endothelium **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Abdel Majeed, Yazan BSC

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Effect of altering movement metrics identified by predictive models on stroke recovery outcomes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

ILLINOIS

Allen, Norrina BS, MPH

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Cardiovascular Health Trajectories from Birth Through Adolescence **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2021 **Total Years:** 4 **Total Award Amount:** \$963,300

ILLINOIS

Allen, Norrina BS, MPH

Program Type: Strategic Renewal Grant **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Development of Age-Specific Childhood Risk Prediction Equations to Identify Children at High Risk for Poor Cardiovascula **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$365,466

ILLINOIS

Ameer, Guillermo ScD

Program Type: Grant-in-Aid **Institution:** Northwestern University, Evanston **City:** Evanston **Project Title:** Developing imaging-compatible 3D-printed bioresorbable scaffolds **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$153,626

ILLINOIS

Ardehali, Hossein PhD, MD

Program Type: Grant-in-Aid **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Role of tristetraprolin in cardiac fatty acid metabolism and the development of heart failure **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

ILLINOIS

Arora, Rishi MD, MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** The role of oxidative stress in creating a vulnerable substrate for atrial fibrillation in the intact atrium **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4
Total Award Amount: \$1,106,562

ILLINOIS

Burridge, Paul PhD

Program Type: Transformational Project Award **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Validation of Genomic Hits Predicting Doxorubicin-Induced Cardiotoxicity for Drug Discovery **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

ILLINOIS

Byun, Sangwon PhD, MS

Program Type: Postdoctoral Fellowship **Institution:** University of Illinois, Champaign-Urbana **City:** Urbana **Project Title:** Control of bile acid/cholesterol levels by Src phosphorylation of FXR **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$106,350

ILLINOIS

Carnethon, Mercedes PhD, MPH

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Contribution of Fibroblast Growth Factor 23 (FGF23) to Racial Disparities in Left Ventricular Mass and Albumin/Creatinin **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$763,704

ILLINOIS

Chen, Tianji PhD

Program Type: Career Development Award **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Role of Endothelium-derived Microvesicles in Pulmonary Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Collins, Kerrie BS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Septins regulate Src mediated podosome formation and matrix degradation. **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

ILLINOIS

Das, Aditi PhD

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City:** Urbana **Project Title:** Biochemical mechanism of CYP2J2 epoxygenase **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

ILLINOIS

De, Tanima PhD

Program Type: Institute - Uncovering New Patterns Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Effect of genomic regulation on Clopidogrel Response in African Americans **Award Start Date:** 4/2/2018 **Award End Date:** 3/31/2020 **Total Years:** 2 **Total Award Amount:** \$150,000

ILLINOIS

de Almeida, Lucia PhD, MS

Program Type: Career Development Award **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Uncovering the role of extracellular ASC danger particles in atherosclerosis and gout **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Deberge, Matthew BSC, PhD

Program Type: Career Development Award **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Myeloid HIFs in cardiac transplantation vasculopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Feinstein, Matthew MD

Program Type: Fellow-to-Faculty Transition Award **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Mechanistic Epidemiology of Myocardial Disease in HIV: Myocardial Fibrosis and Mechanics **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2021 **Total Years:** 5 **Total Award Amount:** \$593,000

ILLINOIS

Gajwani, Priyanka BS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Phosphorylation of PFKFB3, a regulator of glycolysis, as an adaptive mechanism in Acute Lung Injury **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Ghosh, Asish PhD

Program Type: Innovative Project Award **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Plasminogen Activator System in Air Pollutants-Induced Cardiovascular Disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

ILLINOIS

Glinton, Kristofor PhD, BS

Program Type: Postdoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: The causal role of Axl in the acceleration of cardiac allograft vasculopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

ILLINOIS

Grayczyk, James BS

Program Type: Predoctoral Fellowship **Institution:** Loyola University Chicago **City:** Chicago **Project Title:** Staphylococcus aureus suppression of immune responses via metabolic cofactors **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Greenland, Philip MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago

City: Chicago **Project Title:** Mitochondrial dysfunction and disability in PAD **Award Start Date:** 4/1/2018
Award End Date: 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$1,044,451

ILLINOIS

Greenland, Philip MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** ATRIAL SUBSTRATE IN ATRIAL FIBRILLATION AND AF-ASSOCIATED BRAIN
DISEASE **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:**
\$841,913

ILLINOIS

Harjith, Anantha MD, OTR

Program Type: Transformational Project Award **Institution:** University of Illinois at Chicago **City:** Chicago
Project Title: Role of Sphingosine 1 Phosphate (S1P) and S1P 1 receptor signaling in Bronchopulmonary
Dysplasia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:**
\$300,000

ILLINOIS

Hill, Anita Nayo BS, PT

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Quantification of Upper Extremity Motor Impairments in Pediatric Hemiplegia **Award Start
Date:** 7/1/2018 **Award End Date:** 8/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Hou, Lifang MD, MSc

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** Characterizing Dynamic Epigenomic Markers of CVH in Early Life **Award Start
Date:** 7/1/2017 **Award End Date:** 6/30/2021 **Total Years:** 4 **Total Award Amount:** \$939,898

ILLINOIS

Imoukhuede, Princess PhD, BS

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City:**
Urbana **Project Title:** Predicting new targets for inducing sprouting angiogenesis via systems biology
Award Start Date: 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:**
\$308,000

ILLINOIS

Joslin, Amelia BS

Program Type: Predoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:**

Dissecting the genetics of cardiovascular-related phenotypes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Kang, Hojin PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** S1P Activation of Piezo1 Mediates Angiogenesis in Response to Wall Shear Stress **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Kim, Young-Chae PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City:** Urbana **Project Title:** Role of intestinal SHP and FGF19 in regulating cholesterol levels **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

ILLINOIS

Klingensmith, Jon BSEE, MS

Program Type: AHA Institutional Research Enhancement Award (AIREA) **Institution:** Southern Illinois University, Edwardsville **City:** Edwardsville **Project Title:** Volumetric assessment of epicardial adipose tissue using echocardiography **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

ILLINOIS

Krishack, Paulette BS, MS

Program Type: Postdoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:** Type 2 Innate Inflammatory Response Protects Staphylococcus Aureus Induced Sepsis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

ILLINOIS

Lei, Yuk Man BA

Program Type: Predoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:** The Role of Microbiota in Allograft Rejection **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

ILLINOIS

Li, Jing PhD

Program Type: Career Development Award **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** DREAM in neutrophil recruitment during inflammation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Liu, Xiaolei PhD, MS

Program Type: Career Development Award **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Cardiac lymphatic endothelial cells: novel players in cardiomyocyte survival during heart development and repair **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Liu, Yuru PhD

Program Type: Grant-in-Aid **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Sphingosine-1-phosphate as an angiocrine mediator in alveolar repair following lung injury **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

ILLINOIS

Mace, Camille PhD

Program Type: Scientist Development Grant **Institution:** Rush University Medical Center **City:** Chicago
Project Title: Molecular mechanisms of non-HIV collapsing glomerulopathy **Award Start Date:** 1/1/2016
Award End Date: 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

ILLINOIS

Marino, Bradley MD, BA

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** Early Life Origins of Cardiovascular Health: Healthier, Earlier **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2021 **Total Years:** 4 **Total Award Amount:** \$740,837

ILLINOIS

Marsboom, Glenn PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Illinois at Chicago **City:** Chicago
Project Title: Functional Characterization of a New Caveolin-1 Mutation Associated with Heritable Human Pulmonary Arterial Hypertension **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018
Total Years: 4 **Total Award Amount:** \$308,000

ILLINOIS

McDermott, Mary MD, BA

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** NICotinamidE riboside with and without resveratrol to improve functioning in peripheral artery disease: The NICE Trial **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$1,366,439

ILLINOIS

McDermott, Mary MD, BA

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** Calf Skeletal Muscle Pathology and Disability in Peripheral Artery Disease
Award Start Date: 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$874,357

ILLINOIS

Moskowitz, Ivan PhD, MD

Program Type: Collaborative Sciences Award **Institution:** University of Chicago **City:** Chicago **Project Title:** Enhancer transcription as marker and modulator of cardiac regulatory networks **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$450,000

ILLINOIS

Oliveira, Suellen Darc PhD, MSc

Program Type: Postdoctoral Fellowship **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Role of Caveolin-1 Depletion in TGF- induced Endothelial-to-mesenchymal Transition and Pulmonary Arterial Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

ILLINOIS

Ostadossein, Fatemeh BSc, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Illinois, Champaign-Urbana **City:** Urbana
Project Title: antimicrobial caged hafnium oxide nanoparticles for detection and therapeutic intervention of endocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$53,688

ILLINOIS

Paik, Wonbeom MS, BS

Program Type: Predoctoral Fellowship **Institution:** Loyola University Medical Center **City:** Maywood
Project Title: Protection from lethal Staphylococcus aureus sepsis by probiotic exopolysaccharide **Award Start Date:** 7/1/2018 **Award End Date:** 7/30/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

ILLINOIS

Palekar, Rohun BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Synthetic Lipoprotein Nanoparticles as Biosensors for Rapid Assessment of Lecithin:Cholesterol Acyltransferase Activity **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019
Total Years: 2 **Total Award Amount:** \$104,060

ILLINOIS

Papadaki, Maria BSC, PhD

Program Type: Postdoctoral Fellowship **Institution:** Loyola University Chicago **City:** Chicago **Project Title:** The role of methylglyoxal on the cardiac myofilament **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$104,060

ILLINOIS

Passman, Rod BA, MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** ATRIAL MYOPATHY IN ATRIAL FIBRILLATION **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$975,843

ILLINOIS

Passman, Rod BA, MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** ATRIAL MYOPATHY: STRUCTURE AND FUNCTION IN AF ABLATION **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$784,882

ILLINOIS

Perez-Pinera, Pablo MD PhD

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City:** Urbana **Project Title:** CORRECTION OF DYSTROPHIN CARDIOMYOPATHIES BY ACTIVATION OF NATIVE UTRN EXPRESSION **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Puckelwartz, Megan BS, PhD

Program Type: Career Development Award **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Genomic context alters disease manifestation of cardiomyopathies **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Radhakrishnan, Ishwar PhD, BS

Program Type: Grant-in-Aid **Institution:** Northwestern University, Evanston **City:** Evanston **Project Title:** Biochemical and Structural Studies of the Sin3L/HDAC Complex **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

ILLINOIS

Rhodes, Katherine BS, BS

Program Type: Predoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:**

Mapping Functional Variation in Gene Regulatory Dynamics in Human Cardiomyocytes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Rowton, Megan PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:** A Hedgehog differentiation clock for atrial septation **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

ILLINOIS

Ruppar, Todd BSN, MSN

Program Type: Grant-in-Aid **Institution:** Rush University Medical Center **City:** Chicago **Project Title:** Self-Care Interventions Meta-Analysis for Heart Failure (SCIMA-HF) **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$153,210

ILLINOIS

Ruthenburg, Alexander PhD, BA

Program Type: Collaborative Sciences Award **Institution:** University of Chicago **City:** Chicago **Project Title:** Enhancer transcription as marker and modulator of cardiac regulatory networks **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$300,000

ILLINOIS

Rydeen, Ariel BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:** Hedgehog-dependent repressive gene regulatory network in the control of cardiac differentiation **Award Start Date:** 7/1/2018 **Award End Date:** 12/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

ILLINOIS

Rymer, William MD PhD

Program Type: Innovative Project Award **Institution:** Rehabilitation Institute of Chicago **City:** Chicago **Project Title:** An Exploration of Acute Intermittent Hypoxia as a Tool to Enhance Neural Recovery in Stroke Survivors **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,991

ILLINOIS

Schnell, Susanne MSc, PhD

Program Type: Scientist Development Grant **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Comprehensive Cardiac and Neurovascular 4D flow MRI for Improved Embolization

Therapy in VGAM patients **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Seimetz, Joe BS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois, Champaign-Urbana **City:** Urbana **Project Title:** Investigating the unexpected role of nuclear poly(A) binding protein (PABPN1) in cardiac growth and hypertrophy **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Shah, Sanjiv MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago **City:** Chicago **Project Title:** Role of Female Sex and Hormone Status on HFpEF Pathophysiology and Therapy **Award Start Date:** 4/1/2016 **Award End Date:** 3/31/2020 **Total Years:** 4 **Total Award Amount:** \$1,083,632

ILLINOIS

Sivaramakrishnan, Anjali BS, MPT

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Understanding the neural effects of non-invasive brain stimulation enhanced aerobic exercise in stroke survivors **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Sladojevic, Nikola MD PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Chicago **City:** Chicago **Project Title:** Novel strategy to protect blood-brain barrier integrity by modulating RGS5 in ischemic stroke. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$125,120

ILLINOIS

Suresh, Nina PhD

Program Type: Scientist Development Grant **Institution:** Rehabilitation Institute of Chicago **City:** Chicago **Project Title:** Tracking the evolution of spasticity in acute stroke **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$230,999

ILLINOIS

Tabit, Corey BS, BA

Program Type: Scientist Development Grant **Institution:** University of Chicago **City:** Chicago **Project Title:** Molecular Mechanisms of Non-Surgical Bleeding in Human Patients with Continuous-Flow Left

Ventricular Assist Devices **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3
Total Award Amount: \$231,000

ILLINOIS

Tang, Wei-Jen PhD

Program Type: Grant-in-Aid **Institution:** University of Chicago **City:** Chicago **Project Title:** Structure and functions of chemokine CCL5-CXCL4 hetero-oligomer **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

ILLINOIS

Vali, Alireza BSc, MSc

Program Type: Postdoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Comprehensive Assessment of Hemodynamics in Intracranial Atherosclerotic Disease
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

ILLINOIS

Van Horn, Linda BS, MA

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** Keeping Ideal Cardiovascular Health Family Intervention Trial: KIDFIT **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2021 **Total Years:** 4 **Total Award Amount:** \$1,065,165

ILLINOIS

Wary, Kishore PhD

Program Type: Grant-in-Aid **Institution:** University of Illinois at Chicago **City:** Chicago **Project Title:** Mechanisms of Ischemic Preconditioning Mediated de novo Neovascularization **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

ILLINOIS

Webster, Robert BA, MD

Program Type: Mentored Clinical & Population Research Program **Institution:** Ann & Robert H. Lurie Children's Hospital of Chicago **City:** Chicago **Project Title:** Population prevalence of cardiac disease in families after sudden unexpected death **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$153,973

ILLINOIS

Wilkins, Kevin BS

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Static and dynamic cortical activity underlying the negative impact of lifting on hand opening post-stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

ILLINOIS

Winter, Deborah PhD

Program Type: Career Development Award **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Understanding the molecular link between cardiovascular disease and rheumatoid arthritis
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

ILLINOIS

Wolf, Myles MD, MD

Program Type: Strategically Focused Research Network **Institution:** Northwestern University, Chicago
City: Chicago **Project Title:** Phosphate and FGF23: Dietary and Molecular Mediators of Health Disparities
in Cardiovascular and Kidney Diseases **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total
Years:** 4 **Total Award Amount:** \$702,705

ILLINOIS

Wolff, Ian BS

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Evanston **City:** Evanston
Project Title: Characterization of Kinesin-12/KLP-18 activity essential for acentrosomal meiotic spindle
assembly in *C. elegans* **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total
Award Amount:** \$51,900

ILLINOIS

Wren, Lisa BS

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Understanding Calmodulinopathies in an Animal Model **Award Start Date:** 7/1/2017
Award End Date: 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

ILLINOIS

Yang, Xiaoyan PhD, MD

Program Type: Scientist Development Grant **Institution:** University of Illinois at Chicago **City:** Chicago
Project Title: The role of the cytoplasmic deacetylase, Sirtuin2: a novel regulator of cardiotoxicity in
heart failure **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award
Amount:** \$231,000

ILLINOIS

Yi, Sijia BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Northwestern University, Evanston **City:** Evanston
Project Title: Nanostructure-enhanced Targeting of Dendritic Cells to Elicit Treg Responses in the
Treatment of Atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2
Total Award Amount: \$106,532

ILLINOIS

Zarkoob, Hoda PhD

Program Type: Postdoctoral Fellowship **Institution:** Northwestern University, Chicago **City:** Chicago
Project Title: Cardiomyocyte Mechanotransduction through Desmoplakin/RhoGEF Ect2 Interaction
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

ILLINOIS

Zhang, Lianghui PhD

Program Type: Career Development Award **Institution:** University of Illinois at Chicago **City:** Chicago
Project Title: The Regulation of Endothelial Regeneration in Acute Lung Injury by Sox17 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

INDIANA

Ahmad, Shaad BA, PhD

Program Type: Scientist Development Grant **Institution:** Indiana State University, Terre Haute **City:** Terre Haute **Project Title:** Genetic, Genomic and Computational Analyses of Cardiogenic Roles of Forkhead Transcription Factors **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

INDIANA

Bansal, Ruchi MS

Program Type: Predoctoral Fellowship **Institution:** Indiana University, Indianapolis **City:** Indianapolis
Project Title: Mchr1 Cilia Mediated Signaling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020
Total Years: 2 **Total Award Amount:** \$53,688

INDIANA

Basile, David PhD

Program Type: Grant-in-Aid **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** Role of renal endothelial side population as a source of progenitor activity during growth or response to injury **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

INDIANA

Brindise, Melissa BS

Program Type: Predoctoral Fellowship **Institution:** Purdue University, West Lafayette **City:** West Lafayette **Project Title:** Assessing the Growth and Rupture of Cerebral Aneurysms Using 4D PIV and PC-MRI **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

INDIANA

Chen, Zhenhui PhD

Program Type: Transformational Project Award **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** Specific Accumulation of Phospholamban in Nuclear Membranes of Cardiomyocytes: Role in Regulating Nuclear Calcium Stores **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

INDIANA

Cortes Selva, Diana MS, BS

Program Type: Predoctoral Fellowship **Institution:** Purdue University, West Lafayette **City:** West Lafayette **Project Title:** Delineating the role of hepatic macrophages in Schistosoma mansoni induced protection from atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

INDIANA

Frump, Andrea PhD

Program Type: Postdoctoral Fellowship **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** Apelin-mediated regulation of right ventricular angiogenesis in pulmonary hypertension **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

INDIANA

Gaji, Rajshekhar PhD, DVM

Program Type: Career Development Award **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** Mechanistic function of a unique plant like nuclear kinase in molecular pathogenesis of Toxoplasma gondii **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

INDIANA

Gowher, Humaira PhD

Program Type: Scientist Development Grant **Institution:** Purdue University, West Lafayette **City:** West Lafayette **Project Title:** Control of antiangiogenic gene expression by Vezf1-mediated Pol II pausing **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

INDIANA

Harber, Matthew PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) **Institution:** Ball State University **City:** Muncie **Project Title:** Cardiopulmonary Exercise Testing and Mortality Outcomes **Award Start Date:** 4/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$153,917

INDIANA

Leung, Jacqueline BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Indiana University, Bloomington **City:** Bloomington

Project Title: Role of the apical polar ring in Toxoplasma gondii proliferation **Award Start Date:**

7/1/2018 Award End Date: 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

INDIANA

Liu, Juli PhD

Program Type: Postdoctoral Fellowship **Institution:** Indiana University, Indianapolis **City:** Indianapolis

Project Title: A novel human-specific long non-coding RNA, HBL1, regulates cardiomyocyte development

from human pluripotent stem cells **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total**

Years: 2 **Total Award Amount:** \$102,550

INDIANA

Pang, Peter MD, MS

Program Type: Innovative Research Grant **Institution:** Indiana University, Indianapolis **City:** Indianapolis

Project Title: Lung Ultrasound Driven Strategy-of-Care To Treat Pulmonary Congestion in Patients with

AHF **Award Start Date:** 1/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:**

\$149,998

INDIANA

Sieng, Monita BS

Program Type: Predoctoral Fellowship **Institution:** Purdue University, West Lafayette **City:** West

Lafayette **Project Title:** Molecular mechanism of Rap1A-dependent activation of PLCepsilon in

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

Award Amount: \$53,688

INDIANA

Sjogren, Benita MSc, PhD

Program Type: Scientist Development Grant **Institution:** Purdue University, West Lafayette **City:** West

Lafayette **Project Title:** Targeting molecular mechanisms of RGS2 protein degradation for novel

cardiovascular therapeutics. **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4

Total Award Amount: \$308,000

INDIANA

Tesini Roseguini, Bruno PT, MSc

Program Type: Scientist Development Grant **Institution:** Purdue University, West Lafayette **City:** West

Lafayette **Project Title:** Thermotherapy for intermittent claudication **Award Start Date:** 1/1/2016 **Award**

End Date: 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

INDIANA

Tisdale, James BSC, PharmD

Program Type: Transformational Project Award **Institution:** Purdue University, West Lafayette **City:** West Lafayette **Project Title:** Reducing the Risk of Drug-Induced QT Interval Lengthening in Women **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

INDIANA

Vincentz, Joshua PhD

Program Type: Scientist Development Grant **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** Hand transcription factors in cardiac outflow tract development and congenital heart disease **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

INDIANA

Wessel, Jennifer PhD, MPH

Program Type: Scientist Development Grant **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** Using Child's Genetic Risk to Stimulate Diabetes Risk Reducing Change in Families **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

INDIANA

Wu, Yueh-Fu BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Notre Dame **City:** Notre Dame **Project Title:** Characterizing interactions between the microtubule binding protein CLIP-170 and actin **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

INDIANA

Yang, Lei PhD

Program Type: Grant-in-Aid **Institution:** Indiana University, Indianapolis **City:** Indianapolis **Project Title:** MicroRNA-126 Regulates Human Heart Development **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

IOWA

Abel, Evan MD PhD

Program Type: Strategically Focused Research Network **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Coupling glucose uptake and pyruvate utilization to increase myocardial recovery in heart failure **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$1,042,800

IOWA

Ahern, Christopher PhD, BS

Program Type: Established Investigator Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Expanding the genetic code in muscle **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2019 **Total Years:** 5 **Total Award Amount:** \$400,000

IOWA

Campbell, Hannah BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Force-induced apoptosis and the mechanoprotective role of PAK2 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Catov, Janet PhD

Program Type: Strategic Collaborative Grant **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Mechanisms of Early and Late Postpartum Hypertension in Human Preeclampsia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$202,254

IOWA

Chauhan, Anil PhD, MT

Program Type: Established Investigator Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Novel mechanisms linking thrombosis and inflammation **Award Start Date:** 1/1/2018 **Award End Date:** 12/31/2022 **Total Years:** 5 **Total Award Amount:** \$400,000

IOWA

Dayal, Sanjana PhD

Program Type: Innovative Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Role of gut microbiome in age-associated thrombosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

IOWA

Dhanesha, Nirav PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Mechanistic Role of Integrin alpha9beta1 in Modulation of Arterial Thrombosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

IOWA

Doddapattar, Prakash PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project**

Title: Mechanistic role of integrin alpha9beta1 in atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

IOWA

Greiner, Alexander BA

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Assessing the Role of MSX1 in Cardiac Fibrosis and Sudden Cardiac Death **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Grobe, Justin PhD, BS

Program Type: Established Investigator Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Hypothalamic mechanisms of cardiometabolic and obstetric disease **Award Start Date:** 1/1/2018 **Award End Date:** 12/31/2022 **Total Years:** 5 **Total Award Amount:** \$400,000

IOWA

Grobe, Justin PhD, BS

Program Type: Strategically Focused Research Network **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Molecular Mechanisms of Vasopressin-Induced Preeclampsia **Award Start Date:** 4/1/2015 **Award End Date:** 3/31/2019 **Total Years:** 4 **Total Award Amount:** \$909,912

IOWA

Grumbach, Isabella MD PhD

Program Type: Grant-in-Aid **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** CaMKII in mitochondria drives smooth muscle migration and neointimal hyperplasia **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

IOWA

Grumbach, Isabella MD PhD

Program Type: Innovative Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** New models of radiation endotheliopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

IOWA

Guo, Ang BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Novel functions of posttranslationally processed Junctophilin-2 **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

IOWA

Holwerda, Seth PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Anxiety-mediated impairments in large elastic artery function and the autonomic nervous system **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$98,950

IOWA

Idiga, Sharon BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Novel Endocrine Circuit Regulating Sugar Satiety **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Kassan, Modar PhD

Program Type: Career Development Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** miR-204/Sirt1 axis induces endothelial dysfunction by targeting vascular serotonin in diabetes/obesity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

IOWA

Lira, Vitor PhD

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Molecular insights into exercise-mediated protection against diabetic cardiomyopathy **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

IOWA

Liu, Jing PhD, MD

Program Type: Postdoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** MicroRNA-204 in Aortic Aneurysmal Disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$104,060

IOWA

Liu, Yujia BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Interplay Between AKAP1-scaffolded Calcineurin&PKA in Mitochondrial Fragmentation and Post-ischemic Neuronal Survival **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

IOWA

Matasic, Daniel BS, MBA

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Post-Translational Modification Crosstalk in Cardiac Sodium Channels and Arrhythmogenesis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

IOWA

McNeill, Elizabeth PhD, BS

Program Type: Scientist Development Grant **Institution:** Iowa State University **City:** Ames **Project Title:** The role of miR-987 in cardiac morphology and function **Award Start Date:** 1/1/2016 **Award End Date:** 3/31/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

IOWA

Nuxoll, Eric PhD, BS

Program Type: Innovative Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Thermoelectric Mitigation of Implant Infections **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

IOWA

Pereira Alambert, Renata BS, MS

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Energy-Deficient Muscle as a Source for Circulating Fibroblast Growth Factor 21 **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

IOWA

Perschbacher, Katherine BA

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Molecular Mechanisms of RGS2 in Preeclampsia **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Pierce, Gary PhD, MS

Program Type: Strategically Focused Research Network **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Early Vascular Dysfunction and Elevated Copeptin in Human Preeclampsia **Award Start Date:** 4/1/2015 **Award End Date:** 3/31/2019 **Total Years:** 4 **Total Award Amount:** \$887,488

IOWA

Rahmouni, Kamal PhD

Program Type: Established Investigator Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** mTORC1 Signaling in the Hypothalamus and Cardiovascular Regulation **Award Start Date:** 1/1/2014 **Award End Date:** 12/31/2018 **Total Years:** 5 **Total Award Amount:** \$400,000

IOWA

Ripley, Brittany BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Rad18: the master regulator of Translesion Synthesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Sabharwal, Rasna BS, MS

Program Type: Grant-in-Aid **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Ang-(1-7) protects against stress-induced cardiac morbidity and mortality in muscular dystrophy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

IOWA

Santillan, Mark BS, BA

Program Type: Strategic Collaborative Grant **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Mechanisms of Early and Late Postpartum Hypertension in Human Preeclampsia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$260,927

IOWA

Santillan, Mark BS, BA

Program Type: Strategically Focused Research Network **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Predicting Preeclampsia via Copeptin: Underrepresented Minorities & Synergy with Other Biomarkers **Award Start Date:** 4/1/2015 **Award End Date:** 3/31/2019 **Total Years:** 4 **Total Award Amount:** \$1,221,000

IOWA

Sapouckey, Sarah BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Mechanisms of the Arcuate Nucleus Leptin-Angiotensin Interaction in the Control of Metabolism **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Sigmund, Curt BA, MA

Program Type: Strategically Focused Research Network **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** University of Iowa Strategically Focused Hypertension Research Center **Award Start Date:** 4/1/2015 **Award End Date:** 3/31/2019 **Total Years:** 4 **Total Award Amount:** \$690,800

IOWA

Slusarski, Diane PhD

Program Type: Grant-in-Aid **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:**

Elucidating the Mechanisms of the McKusick-Kaufman syndrome gene MKKS/BBS6 in congenital heart disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

IOWA

Song, Long-Sheng MD, MS

Program Type: Transformational Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** MG53: A double-edged sword in cardiac T-tubule damage and repair **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

IOWA

Sylvers, Kelli BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Lipase inhibition by ANGPTL3 and ANGPTL8 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

IOWA

Thiel, William BS, PhD

Program Type: Innovative Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Generation of Cardiac Specific Aptamer Ligands **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

IOWA

Thiel, William BS, PhD

Program Type: Transformational Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Deciphering mechanisms of vascular disease with cell and process specific ligands **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

IOWA

Udofot, Ofonime BSC, MSc

Program Type: Postdoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Inhibition of extracellular histones in myocardial depression in sepsis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

IOWA

Urak, Kevin BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Targeting Extracellular Histones with RNA Aptamers for the Treatment of Sepsis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

IOWA

Vikram, Ajit BS, MS

Program Type: Career Development Award **Institution:** University of Iowa, Iowa City **City:** Iowa City
Project Title: Gut-microbiota sensitive vascular microRNA-204 promotes diabetes-associated endothelial dysfunction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

IOWA

Weiss, Robert MD

Program Type: Innovative Project Award **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Targeting Transient Receptor Potential Cation Channel Subfamily V Member 4 Signaling in Aortic Valve Disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

IOWA

Wu, Jing MD, PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** The Role of Endothelial Cullin3 in Vascular Function and Blood Pressure Regulation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$104,060

IOWA

Yang, Ling PhD

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City:** Iowa City **Project Title:** Integration of Inflammatory Signaling and the Unfolded Protein Response by Nitrosylation Signaling in Obesity **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

KANSAS

Kozai, Keisuke PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Kansas Medical Center **City:** Kansas City **Project Title:** Trophoblast-directed pathways regulating uterine spiral artery restructuring **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$98,950

KANSAS

McFarlane, Jeff BS, MA

Program Type: Predoctoral Fellowship **Institution:** University of Kansas, Lawrence **City:** Lawrence **Project Title:** Staphylopine Biosynthesis as an Antimicrobial Target in Staphylococcus aureus Infective Endocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

KANSAS

Miao, Yinglong PhD

Program Type: Scientist Development Grant **Institution:** University of Kansas, Lawrence **City:** Lawrence
Project Title: Structure-Based Design of Allosteric Enhancers of the Adenosine A1 Receptor **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

KENTUCKY

Berron, Bradley PhD, BS

Program Type: Innovative Project Award **Institution:** University of Kentucky, Lexington **City:** Lexington
Project Title: Intentional positioning of cells in a decellularized heart **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

KENTUCKY

Cassis, Lisa BS, PhD

Program Type: Strategically Focused Research Network **Institution:** University of Kentucky, Lexington
City: Lexington **Project Title:** Sexual dimorphism of aortopathies **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$1,042,800

KENTUCKY

Daugherty, Alan PhD, DSc

Program Type: Strategically Focused Research Network **Institution:** University of Kentucky, Lexington
City: Lexington **Project Title:** Role of sex hormones on elastin stability in formation of thoracic aortopathies **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$1,042,800

KENTUCKY

Daugherty, Alan PhD, DSc

Program Type: Strategically Focused Research Network **Institution:** University of Kentucky, Lexington
City: Lexington **Project Title:** University of Kentucky- Baylor College of Medicine Aortopathy Research Center **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$580,800

KENTUCKY

Jones, Steven PhD

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

KENTUCKY

Kopechek, Jonathan BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City:** Louisville **Project Title:** Ultrasound-Targeted Delivery of miRNA Therapeutics for Cardiac Repair after Myocardial Infarction **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

KENTUCKY

Kraemer, Maria BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Kentucky, Lexington **City:** Lexington **Project Title:** Regulation and Function of Lipoprotein Associated Bioactive Lysophospholipid Mediators of Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

KENTUCKY

Lee, Sangderk PhD

Program Type: Grant-in-Aid **Institution:** University of Kentucky College of Medicine **City:** Lexington **Project Title:** Deciphering the regulatory mechanism of hepatic VLDL production by heparin binding EGF-like growth factor (HB-EGF) **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

KENTUCKY

Ly, Han BS

Program Type: Predoctoral Fellowship **Institution:** University of Kentucky, Lexington **City:** Lexington **Project Title:** Role of diabetes-associated amylin dyshomeostasis in stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

KENTUCKY

Murardashvili, Nino MD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City:** Louisville **Project Title:** Hyperhomocysteinemia exacerbates short-term memory reduction after traumatic brain injury **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

KENTUCKY

Nystoriak, Matthew BA, PhD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City:** Louisville **Project Title:** Compartmentalized cAMP signaling in diabetic vascular dysfunction. **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

KENTUCKY

Pushpakumar, Sathnur PhD, MD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City:** Louisville **Project**

Title: Epigenetic Mechanism of Renovascular Remodeling in Hyperhomocysteinemia **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

KENTUCKY

Satin, Jonathan PhD

Program Type: Undergraduate fellowship **Institution:** University of Kentucky, Lexington **City:** Lexington
Project Title: University of Kentucky Undergraduate Training in Cardiovascular Research **Award Start Date:** 2/1/2017 **Award End Date:** 1/31/2020 **Total Years:** 3 **Total Award Amount:** \$60,000

KENTUCKY

Sawada, Hisashi MD, PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Kentucky, Lexington **City:** Lexington
Project Title: The impact of smooth muscle cell embryonic origin on TGF - beta signaling during thoracic aortic aneurysm formation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$122,960

KENTUCKY

Stivers, Katlin BA, MS

Program Type: Predoctoral Fellowship **Institution:** University of Louisville **City:** Louisville **Project Title:** Regulation of Adipose Tissue Inflammation by Resident Myeloid Derived Suppressor Cells **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

KENTUCKY

Veeranki, Sudhakar PhD, DVM

Program Type: Scientist Development Grant **Institution:** University of Louisville **City:** Louisville **Project Title:** Role of hydrogen sulfide in mitochondrial remodeling and myocardial energetics **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

KENTUCKY

Venditto, Vincent PhD

Program Type: Scientist Development Grant **Institution:** University of Kentucky, Lexington **City:** Lexington
Project Title: Understanding the role of autoantibodies targeting ApoA-I **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

KENTUCKY

Weaver, Chelsea BS, AS

Program Type: Predoctoral Fellowship **Institution:** University of Kentucky, Lexington **City:** Lexington
Project Title: The African Green Monkey: A Novel Model of Spontaneous Hypertensive Pregnancy Disorders **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

KENTUCKY

Wei, Yanan BS, MS

Program Type: Grant-in-Aid **Institution:** University of Kentucky, Lexington **City:** Lexington **Project Title:** Role of E. coli ETT2 in endothelial disruption and sepsis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

LOUISIANA

Alam, Shafiul PhD, MSc

Program Type: Postdoctoral Fellowship **Institution:** Louisiana State University Health Sciences Center Shreveport **City:** Shreveport **Project Title:** Sigmar1 autophagic function in protecting cardiac proteotoxicity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

LOUISIANA

Chaparro Lanfranco, Maria Pia PhD, MS

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City:** New Orleans **Project Title:** The impact of the 2009 WIC food package change on child obesity: an innovative quasi-experimental approach **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$230,627

LOUISIANA

Finney, Alexandra BS

Program Type: Predoctoral Fellowship **Institution:** Louisiana State University Health Sciences Center Shreveport **City:** Shreveport **Project Title:** EphA2 Mediates Vascular Smooth Muscle Fibroproliferative Response in Vascular Remodeling **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

LOUISIANA

Intapad, Suttira BSc, PhD

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City:** New Orleans **Project Title:** Maternal preeclampsia programs hypertension in mouse offspring. **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

LOUISIANA

Jin, Liliang PhD

Program Type: Postdoctoral Fellowship **Institution:** Louisiana State University, Baton Rouge **City:** Baton Rouge **Project Title:** NLRP6 in Bacterial Pneumonia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

LOUISIANA

Lee, Reggie PhD, BS

Program Type: Postdoctoral Fellowship **Institution:** Louisiana State University Health Sciences Center Shreveport **City:** Shreveport **Project Title:** Therapeutic potential of palmitic acid methyl ester against cerebral ischemia **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019 **Total Years:** 2 **Total Award Amount:** \$114,368

LOUISIANA

Lin, Hung Wen BS, PhD

Program Type: Grant-in-Aid **Institution:** Louisiana State University Health Sciences Center Shreveport **City:** Shreveport **Project Title:** Neuronal fatty acid methylation by protein arginine methyltransferase **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

LOUISIANA

Liu, Hongbing PhD

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City:** New Orleans **Project Title:** The roles of Histone Deacetylase 1 and 2 in Nephron Endowment **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

LOUISIANA

Meadows, Stryder PhD, BS

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City:** New Orleans **Project Title:** Molecular characterization of vascular anastomosis **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

LOUISIANA

Rutkai, Ibolya MSc, PhD

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City:** New Orleans **Project Title:** Estrogen mediated protection against stroke: mitochondria as subcellular targets of nitric oxide. **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

LOUISIANA

Sharp, Thomas BA, PhD

Program Type: Postdoctoral Fellowship **Institution:** Louisiana State University, New Orleans **City:** New Orleans **Project Title:** Combine Cell Therapy and Renal Denervation to Prevent Heart Failure after Myocardial Infarction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$103,328

LOUISIANA

Vozenilek, Aimee BS

Program Type: Predoctoral Fellowship **Institution:** Louisiana State University Health Sciences Center Shreveport **City:** Shreveport **Project Title:** Contribution of myeloid-associated lipin-1 to macrophage pro-inflammatory responses **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

LOUISIANA

Wang, Jeffrey BS

Program Type: Clinical Health Profession Student Training Program **Institution:** Louisiana State University, New Orleans **City:** New Orleans **Project Title:** Synthetic Degradation of Activated STAT6 by PARP1 Inhibition in TH2 Response **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

MAINE

Harrison, David PhD

Program Type: Collaborative Sciences Award **Institution:** The Jackson Laboratory **City:** Bar Harbor **Project Title:** Neurovascular interactions in adipose tissue and effects on cardiometabolic health **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$ 1

MAINE

Lessard, Amanda BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Maine Medical Center **City:** Portland **Project Title:** Role of retinoids during myocardial infarction **Award Start Date:** 1/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$98,950

MAINE

Liaw, Lucy PhD

Program Type: Grant-in-Aid **Institution:** Maine Medical Center **City:** Portland **Project Title:** The vascular-adipose microenvironment and susceptibility to vascular disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MAINE

Liaw, Lucy PhD

Program Type: Undergraduate fellowship **Institution:** Maine Medical Center **City:** Portland **Project Title:** Enhancing the diversity of college student research interns at Maine Medical Center **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2021 **Total Years:** 3 **Total Award Amount:** \$60,000

MAINE

Robich, Michael MD

Program Type: Mentored Clinical & Population Research Program **Institution:** Maine Medical Center
City: Portland **Project Title:** Resveratrol in diabetic patients undergoing cardiac surgery **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MAINE

Rosenthal, Nadia

Program Type: Innovative Research Grant **Institution:** The Jackson Laboratory **City:** Bar Harbor **Project Title:** Heart-Specific Modulation of Macrophages **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$150,000

MAINE

Townsend, Kristy PhD

Program Type: Collaborative Sciences Award **Institution:** University of Maine **City:** Orono **Project Title:** Neurovascular interactions in adipose tissue and effects on cardiometabolic health **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$749,999

MARYLAND

Abraham, Maria Roselle MBBS

Program Type: Innovative Research Grant **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Microfluidic 3-D Printing of Myocardial Tissue Constructs to Examine the Metabolic Basis of Hypertrophic Cardiomyopathy **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$149,562

MARYLAND

Agnetti, Giulio PhD

Program Type: Transformational Project Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Novel Mechanisms and Therapies for Proteopathic Heart Failure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

MARYLAND

Ahima, Rexford MD PhD

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** Metabolic and Cardiovascular Effects of Time-Restricted Feeding in Obese Mice **Award Start Date:** 4/1/2017 **Award End Date:** 3/31/2021 **Total Years:** 4 **Total Award Amount:** \$669,341

MARYLAND

Anderson, Mark MD PhD

Program Type: Collaborative Sciences Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Defining a new metabolic pathway in myocardial disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$375,000

MARYLAND

Bahouth, Mona MSN, MD

Program Type: Innovative Project Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Hydration is vital: Understanding the neuro-consequences of dehydration after stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$198,590

MARYLAND

Bahouth, Mona MSN, MD

Program Type: Career Development Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Dehydration and early stroke outcome **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Barreto, Sebastian BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Investigating blue light activation of opsins as a novel approach to treat vasoconstrictive diseases **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

MARYLAND

Barth, Andreas MD PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Linking Electrical and Metabolic Remodeling in the Failing Heart via Alternatively Splicing **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Bennett, Wendy MD

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** The impact of timing of eating on weight: A Multi-site Cohort Study using The Metabolic Compass Mobile Application **Award Start Date:** 4/1/2017 **Award End Date:** 3/31/2021 **Total Years:** 4 **Total Award Amount:** \$1,033,330

MARYLAND

Bogorad, Maxim BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** In Vitro Vasculature for Investigating Mechanisms of Neutrophil Induced Capillary No-Reflow in Ischemia Reperfusion **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

MARYLAND

Boyle, Patrick BSC, PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University **City:** Baltimore
Project Title: Patient-specific modeling to unveil mechanistic insights on perpetuation and ablation of persistent atrial fibrillation **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Boyman, Liron PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland, Baltimore **City:** Baltimore
Project Title: Mitochondrial Calcium Signaling in Heart; Physiological and Pathophysiological Implications **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

MARYLAND

Catania, Selen PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland, Baltimore **City:** Baltimore
Project Title: Role of LRP1 in Regulating Aneurysm Formation & Inflammation in the Vasculature **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

MARYLAND

Cihakova, Daniela PhD, MD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: DRIVERS OF POST-INFARCT CARDIAC REMODELING **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Clark, Jeanne MD, MPH

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University **City:** Baltimore
Project Title: The role of time-restricted feeding on obesity and cardiometabolic health **Award Start Date:** 4/1/2017 **Award End Date:** 3/31/2021 **Total Years:** 4 **Total Award Amount:** \$668,741

MARYLAND

Cole, John MS, MD

Program Type: Institute - Bayer Discovery Grant **Institution:** University of Maryland, Baltimore **City:** Baltimore
Project Title: The genetics and biomarkers of small vessel stroke **Award Start Date:** 7/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$150,000

MARYLAND

Cudmore, Robert PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** Longitudinal in vivo two-photon imaging of cerebral vascular plasticity following stroke in awake, behaving young and ag **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

MARYLAND

Doshi, Ashish PhD, MD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** Personalized, image-based computational models for ventricular arrhythmia risk assessment in myocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$125,120

MARYLAND

Foster, D Brian PhD

Program Type: Transformational Project Award **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** Preserving Cardiac Retinoic Acid Homeostasis as a Therapeutic Approach to Heart Failure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

MARYLAND

Frank, Kristi BS, BS

Program Type: Scientist Development Grant **Institution:** The Henry M Jackson Foundation for the Advancement of Military Medicine **City:** Bethesda **Project Title:** Role of Enterococcus faecalis pstB1 transcriptional activation in endocarditis and biofilm formation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Fu, Mao MD PhD

Program Type: Grant-in-Aid **Institution:** University of Maryland, Baltimore **City:** Baltimore **Project Title:** Functional genetic variants for lipoprotein (a) levels **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Fu, Yingli BS, ME

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** High-throughput generation of image-visible embolic microcapsules for obesity treatment **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Fukunaga, Ryuya PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** Regulatory mechanisms in small RNA silencing **Award Start Date:** 1/1/2015
Award End Date: 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

MARYLAND

Gao, Wei Dong DPhil, MD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: Myofilament Desensitization in Hypertrophic Cardiomyopathy in Mice **Award Start Date:**
7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Gerecht, Sharon PhD

Program Type: Established Investigator Award **Institution:** Johns Hopkins University **City:** Baltimore
Project Title: REGULATING HYPOXIA IN SYNTHETIC HYDROGELS FOR THE CONSTRUCTION AND DELIVERY
OF VASCULAR NETWORKS TO ALLEVIATE ISCHEMIA **Award Start Date:** 1/1/2015 **Award End Date:**
12/31/2018 **Total Years:** 4 **Total Award Amount:** \$320,000

MARYLAND

Hahn, Jin-Oh PhD, MS

Program Type: Innovative Project Award **Institution:** University of Maryland **City:** College Park **Project
Title:** Ultra-Convenient Cardiovascular Risk Predictors Measurement Based on the Ballistocardiogram
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

MARYLAND

Halushka, Marc BS, MD PhD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: Profiling Intercalated Disc Components in Arrhythmogenic Cardiomyopathy **Award Start
Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Han, Xiaoning PhD, MD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** Role of Secreted Frizzled-related Protein 3 in Regulation of Inflammation
after Intracerebral Hemorrhage **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3
Total Award Amount: \$231,000

MARYLAND

Hart, Gerald PhD

Program Type: Collaborative Sciences Award **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** Defining a new metabolic pathway in myocardial disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$375,000

MARYLAND

Hays, Allison MD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: Mechanisms relating PCSK9, inflammation and coronary endothelial dysfunction in HIV+ people **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Hibino, Narutoshi MD, PhD

Program Type: Innovative Project Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: Bio 3d printed cardiac tissue to investigate pathogenesis of single ventricle **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

MARYLAND

Kass, David MD

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University **City:** Baltimore
Project Title: Female sex-hormones and cyclic GMP-PKG Modulation of Cardiac Disease and Metabolism **Award Start Date:** 4/1/2016 **Award End Date:** 3/31/2020 **Total Years:** 4 **Total Award Amount:** \$1,130,800

MARYLAND

Kim, Grace BA, PhD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: Mechanisms and chronic efficacy of phosphodiesterase1 inhibition to enhance cardiac contractility **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

MARYLAND

Konstantinidis, Klitos MD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: A novel pathway to prevent excessive CaMKII activation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$122,960

MARYLAND

Kuzmiak-Glancy, Sarah BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland **City:** College Park

Project Title: Matching Myocardial Energy Supply to Increases in Demand: Altered Calcium Activation in Heart Failure **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Kwon, Chulan PhD

Program Type: Established Investigator Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Understanding the Biology of Cardiac Progenitors and Myocytes **Award Start Date:** 1/1/2018 **Award End Date:** 12/31/2022 **Total Years:** 5 **Total Award Amount:** \$399,995

MARYLAND

Kwon, Chulan PhD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Role of Spalt-like Gene in Cardiac Development **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Lan, Xi PhD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Role of Soluble Epoxide Hydrolase in Gray and White Matter Injury after Intracerebral Hemorrhage **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$114,368

MARYLAND

Lee-Summers, Jennifer MD, BA

Program Type: Transformational Project Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Proteasome modulation as a novel therapeutic for neonatal encephalopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

MARYLAND

Li, Deqiang PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland, Baltimore **City:** Baltimore **Project Title:** Assessment and promotion of postnatal mammalian cardiomyocyte proliferation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Li, Xiaowei PhD

Program Type: Career Development Award **Institution:** Johns Hopkins University School of Medicine

City: Baltimore **Project Title:** Promoting Organization and Integration of Transplanted Stem cells for Brain Tissue Regeneration after Stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Lin, Michelle MD, MPH

Program Type: Mentored Clinical & Population Research Program **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Determinants of Collateral Perfusion Failure after Nonlacunar Stroke **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Liu, Peiyong PhD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** A one-stop-shop scheme for hemodynamic imaging in cerebrovascular diseases **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Marsh, Elisabeth MD

Program Type: Innovative Project Award **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Imaging the Network: Using MEG to Understand the Pathophysiology of Cognitive Deficits After Minor Stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

MARYLAND

Maruthur, Nisa MD

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** The Effect of Time-Restricted, Isocaloric Feeding on Weight: A Randomized Feeding Study in Obese Adults **Award Start Date:** 4/1/2017 **Award End Date:** 3/31/2021 **Total Years:** 4 **Total Award Amount:** \$1,337,788

MARYLAND

Mistriotis, Panagiotis BS, MSc

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** Effect of compressive forces on vascular cell migration **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MARYLAND

Montasser, May BS, MS

Program Type: Grant-in-Aid **Institution:** University of Maryland, Baltimore **City:** Baltimore **Project Title:**

Identification and characterization of a novel LDL lowering locus on a founder population. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Ong, Chin Siang MBBS, MBBS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Novel Stem Cell Therapy for Heart Failure Using 3D Printed Cardiac Tissue **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

MARYLAND

Osei-Owusu, James BSc, MSc

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Role of Volume-Regulated Anion Channel in Glutamate Release and Ischemic Stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

MARYLAND

Ouyang, Pamela MBBS

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Heart Failure with Preserved EF: Female sex-hormones and cyclic GMP-PKG Modulation of Cardiac Disease and Metabolism **Award Start Date:** 4/1/2016 **Award End Date:** 3/31/2020 **Total Years:** 4 **Total Award Amount:** \$682,004

MARYLAND

Ouyang, Pamela MBBS

Program Type: Strategic Collaborative Grant **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Timing of Sleep and of Food Intake in Obese Patients with HFpEF **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$153,969

MARYLAND

Pandey, Deepesh BA, PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** HDAC2 modulates Atherosclerosis **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

MARYLAND

Pashakhanloo, Farhad PhD, BS

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** High-resolution imaging and modeling approaches to study infarct-related arrhythmias **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

MARYLAND

Pasrija, Chetan MD

Program Type: Postdoctoral Fellowship **Institution:** University of Maryland, Baltimore **City:** Baltimore
Project Title: Novel Treatment Repair for Ischemic Mitral Regurgitation **Award Start Date:** 7/1/2018
Award End Date: 6/30/2019 **Total Years:** 1 **Total Award Amount:** \$56,140

MARYLAND

Pham, Luu BS, MD

Program Type: Mentored Clinical & Population Research Program **Institution:** Johns Hopkins University
School of Medicine **City:** Baltimore **Project Title:** Acute Effects of Nocturnal Hypoxemia on
Cardiometabolic Stress and Gene Expression **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019
Total Years: 2 **Total Award Amount:** \$154,000

MARYLAND

Post, Wendy MD, MS

Program Type: Strategically Focused Research Network **Institution:** Johns Hopkins University School of
Medicine **City:** Baltimore **Project Title:** Sex Differences in Hormonal and Cyclic GMP Dependent
Pathways to Heart Failure with Preserved Ejection Fraction **Award Start Date:** 4/1/2016 **Award End
Date:** 3/31/2020 **Total Years:** 4 **Total Award Amount:** \$812,764

MARYLAND

Ranek, Mark BS, PhD

Program Type: Career Development Award **Institution:** Johns Hopkins University School of Medicine
City: Baltimore **Project Title:** PKG Phosphorylates Chip to Enhance Cardiac Protein Quality Control and
Function **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:**
\$231,000

MARYLAND

Ruan, Linhao BS, MS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:**
Baltimore **Project Title:** Understanding the mechanisms of Mitochondria as Guardian in Cytosol **Award
Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

MARYLAND

Saria, Suchi PhD

Program Type: Institute - AI and ML **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:**
Real-Time Prediction of Cardiogenic Shock in Acute Decompensated Heart Failure Using Machine
Learning **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:**
\$200,000

MARYLAND

Schar, Michael PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Improving Noninvasive Coronary Endothelial Function Measures for Greater Research Impact and towards Clinical Use **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Schmidt, William PhD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Investigation of Actin Acetylation as a Modulator of Cardiac Muscle Performance **Award Start Date:** 7/1/2017 **Award End Date:** 8/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

MARYLAND

Sharma, Sudhish PhD

Program Type: Career Development Award **Institution:** University of Maryland, Baltimore **City:** Baltimore **Project Title:** Characterization of the Cardiac Progenitor Cell derived Exosomes for Optimal Therapeutics **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MARYLAND

Shilagardi, Khurts PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University **City:** Baltimore **Project Title:** Novel function of ABC transporters in cell fusion. **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

MARYLAND

Wan, Jieru MD, MS

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Iron-dependent lipid peroxidation after intracerebral hemorrhage **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

MARYLAND

Wan, Mei PhD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore **Project Title:** Mechanisms of Parathyroid Hormone-Accelerated Endothelium Repair **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Wang, Jian PhD, MD

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: 20-HETE and hemorrhagic brain injury **Award Start Date:** 7/1/2017 **Award End Date:**
6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Whelton, Seamus BA, MPH

Program Type: Mentored Clinical & Population Research Program **Institution:** Johns Hopkins University
School of Medicine **City:** Baltimore **Project Title:** Modeling the long-term impact of coronary artery
calcium on the competing risk of CVD versus non-CVD mortality **Award Start Date:** 7/1/2017 **Award End
Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MARYLAND

Yun, Xin MD, PhD

Program Type: Postdoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City:**
Baltimore **Project Title:** Aquaporin 1-mediated resistance to apoptosis during pulmonary hypertension.
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MARYLAND

Zhang, Li PhD

Program Type: Transformational Project Award **Institution:** University of Maryland, Baltimore **City:**
Baltimore **Project Title:** A novel radiation-resistant CD11b-expressing leukocyte population with
atheroprotective activities **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total
Award Amount:** \$300,000

MARYLAND

Zimmerman, Stefan MD, BA

Program Type: Grant-in-Aid **Institution:** Johns Hopkins University School of Medicine **City:** Baltimore
Project Title: Spectral CT Extracellular Volume Mapping for Quantification of Focal Myocardial Fibrosis
Award Start Date: 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Abrams, Dominic MBBS, MD

Program Type: Collaborative Sciences Award **Institution:** Boston Children's Hospital **City:** Boston **Project
Title:** Towards precision medicine in inherited arrhythmias using patient-derived induced pluripotent
stem cells **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award
Amount:** \$59,400

MASSACHUSETTS

Aguirre, Aaron MD PhD

Program Type: Fellow-to-Faculty Transition Award **Institution:** Massachusetts General Hospital **City:**

Boston **Project Title:** Cellular imaging of ischemia/reperfusion injury in the beating heart **Award Start Date:** 7/1/2014 **Award End Date:** 6/30/2019 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Allegretti, Andrew MD

Program Type: Career Development Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Vascular Activation in Hepatorenal Syndrome **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Almamun, Md PhD, MS

Program Type: Postdoctoral Fellowship **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Determine the role of ANKRD26 and Septins gene in megakaryopoiesis/thrombopoiesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Al-Shaar, Laila BSc, MSc

Program Type: Predoctoral Fellowship **Institution:** Harvard School of Public Health **City:** Boston **Project Title:** BMI and physical activity in relation to Outcomes after Myocardial Infarction-Analysis of two prospective cohort studies **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

MASSACHUSETTS

Amorim de Cerqueira Filho, Edilberto MD

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Dynamic EEG reactivity signatures underlying recovery trajectories in hypoxic brain injury **Award Start Date:** 1/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$118,650

MASSACHUSETTS

Andraski, Allison BS

Program Type: Predoctoral Fellowship **Institution:** Harvard School of Public Health **City:** Boston **Project Title:** Apolipoprotein A-IV function on HDL in humans: metabolism, proteomics, and cholesterol efflux across HDL size **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$51,900

MASSACHUSETTS

Annabi, Nasim PhD

Program Type: Scientist Development Grant **Institution:** Northeastern University, Boston **City:** Boston **Project Title:** Engineering bioprintable Cardiac Tissues **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Aragam, Krishna BA, MD

Program Type: Institute - Uncovering New Patterns Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Genetic determinants of physical activity and association with cardiometabolic disease **Award Start Date:** 4/2/2018 **Award End Date:** 3/31/2020 **Total Years:** 2 **Total Award Amount:** \$149,998

MASSACHUSETTS

Armoundas, Antonis PhD

Program Type: Institute - Uncovering New Patterns Grant **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Predicting In-Hospital Cardiac Arrest Using Machine Learning and Massive Streaming Electronic Patient Data **Award Start Date:** 4/2/2018 **Award End Date:** 3/31/2019 **Total Years:** 1 **Total Award Amount:** \$150,000

MASSACHUSETTS

Asnani, Aarti BA, MD

Program Type: Career Development Award **Institution:** Beth Israel Deaconess Medical Center **City:** Boston **Project Title:** Defining the Role of CYP1 Enzymes in Doxorubicin Cardiotoxicity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Awad, Louis PhD, PT

Program Type: Innovative Project Award **Institution:** Boston University, Boston **City:** Boston **Project Title:** TASK-AWARE MOVEMENT ASSESSMENT: SMART CONTROL OF POWERED ASSISTIVE TECHNOLOGIES AND AUTOMATED DIAGNOSTIC TESTING **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,958

MASSACHUSETTS

Awad, Louis PhD, PT

Program Type: Transformational Project Award **Institution:** Harvard University, Cambridge **City:** Cambridge **Project Title:** Robotic Exosuit Augmented Locomotion (REAL) training in the clinic and community **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$299,973

MASSACHUSETTS

Bachschnid, Markus PhD

Program Type: Grant-in-Aid **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Impaired cysteine-thiol redox signaling in metabolic cardiovascular disease **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$198,000

MASSACHUSETTS

Barbieri, Riccardo PhD

Program Type: Grant-in-Aid **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** EFFECTS OF TRANSCUTANEOUS VAGAL NERVE STIMULATION ON HYPERTENSION **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$198,000

MASSACHUSETTS

Bazzone, Lindsey BS, MD PhD

Program Type: Postdoctoral Fellowship **Institution:** University of Massachusetts Medical School **City:** Worcester **Project Title:** The Role of ADAM9 in the Immunopathogenesis of Viral Myocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

MASSACHUSETTS

Benjamin, Emelia MD

Program Type: Strategically Focused Research Network **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Advancing Atrial Fibrillation Precision Medicine **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$890,407

MASSACHUSETTS

Biddinger, Sudha MD PhD

Program Type: Established Investigator Award **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Mechanisms underlying diabetes associated cardiovascular disease: beyond hyperglycemia **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2021 **Total Years:** 5 **Total Award Amount:** \$400,000

MASSACHUSETTS

Black, Lauren PhD, MS

Program Type: Grant-in-Aid **Institution:** Tufts University, Medford **City:** Medford **Project Title:** A 3-D model of the infarct microenvironment for the evaluation of delivery strategies for cell-based therapies following **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$198,000

MASSACHUSETTS

Body, Simon MB ChB

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City:** Boston **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:** \$297,000

MASSACHUSETTS

Bonaca, Marc MD, MPH

Program Type: Strategically Focused Research Network **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Understanding Pathobiology and Predictors of Limb Ischemia to Improve Outcomes in Peripheral Artery Disease and Diabetes **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$580,800

MASSACHUSETTS

Bonaca, Marc MD, MPH

Program Type: Strategically Focused Research Network **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Risk Prediction and Personalizing Therapy to Prevent Critical Limb ischemia in Patients with PAD and Diabetes **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$1,042,800

MASSACHUSETTS

Breault, David MD PhD

Program Type: Transformational Project Award **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** FGF Signaling in Primary Aldosteronism **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

MASSACHUSETTS

Brooks, Danielle PhD, BS

Program Type: Postdoctoral Fellowship **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** The Role of the Salt-Sensitive Epigenetic Regulator Lysine-Specific Demethylase 1 (LSD1) in Aldosterone Production **Award Start Date:** 7/1/2018 **Award End Date:** 9/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

MASSACHUSETTS

Cartier, Andreane BSC, MS

Program Type: Postdoctoral Fellowship **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Novel regulators for Sphingosine 1-Phosphate receptor endocytosis and their role in vascular morphology and integrity. **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

MASSACHUSETTS

Chen, Hong BSC, MS

Program Type: Established Investigator Award **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** The role of pro-atherogenic molecule epsin in regulating cardiovascular diseases **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2019 **Total Years:** 5 **Total Award Amount:** \$400,000

MASSACHUSETTS

Cheung, Pui BS, MS

Program Type: Fellow-to-Faculty Transition Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Characterization of Novel Signaling Pathways involved in Water Balance Disorders **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2022 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Chien, Cheng-Hao PhD

Program Type: Postdoctoral Fellowship **Institution:** Tufts University, Boston **City:** Boston **Project Title:** Interrogating AMPK Dynamics in Synaptic Transmission and Obesity **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Chin, Michael PhD, MD

Program Type: Innovative Project Award **Institution:** Tufts Medical Center **City:** Boston **Project Title:** Pathological Pathway Activation at Single Cell Resolution and Biomarker detection in Human Hypertrophic Cardiomyopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

MASSACHUSETTS

Chouchani, Edward PhD

Program Type: Scientist Development Grant **Institution:** Dana-Farber Cancer Institute, Boston **City:** Boston **Project Title:** Determining mechanisms of redox control over adaptation to exercise **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Choudhury, Sangita PhD, MSc

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Lamin-B2: a new regulator of heart muscle cell proliferation for developing regenerative therapies for heart failure **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Chung, David MD PhD

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Mechanisms of secondary injury after aneurysmal subarachnoid hemorrhage **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$125,120

MASSACHUSETTS

Cocchi, Michael BA, MD

Program Type: Scientist Development Grant **Institution:** Beth Israel Deaconess Medical Center **City:**

Boston **Project Title:** Esmolol to Treat the Cardiovascular Effects of Septic Shock **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

MASSACHUSETTS

Courties, Gabriel PhD

Program Type: Scientist Development Grant **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: Regulatory T cells resolve MI-induced emergency hematopoiesis **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Daane, Jacob PhD

Program Type: Postdoctoral Fellowship **Institution:** Northeastern University, Boston **City:** Boston
Project Title: Evolution-directed screen to identify regulators of cardiovascular biology **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$103,328

MASSACHUSETTS

Das, Saumya BA, MD

Program Type: Strategically Focused Research Network **Institution:** Massachusetts General Hospital
City: Boston **Project Title:** Extracellular RNAs as Mediators of Cardiac Remodeling in Human Heart Failure
Award Start Date: 7/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$1,042,800

MASSACHUSETTS

Debold, Edward PhD, MS

Program Type: Innovative Project Award **Institution:** University of Massachusetts, Amherst **City:** Amherst
Project Title: Development of a synthetic high-energy molecule to power muscle function during acute myocardial ischemia and fatigue **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020
Total Years: 2 **Total Award Amount:** \$200,000

MASSACHUSETTS

Del Monte, Federica MD, PhD

Program Type: Collaborative Sciences Award **Institution:** Beth Israel Deaconess Medical Center **City:** Boston
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:** \$486,000

MASSACHUSETTS

Diacovo, Thomas BS, MD

Program Type: Collaborative Sciences Award **Institution:** Harvard School of Public Health **City:** Boston
Project Title: Analysis of platelet function and microRNA-mRNA profiles in neonatal cardiac patients
Award Start Date: 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$453,318

MASSACHUSETTS

Domian, Ibrahim MD PhD

Program Type: Grant-in-Aid **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** The Role of Proteolysis in Cardiac Development and Disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Dorbala, Sharmila MD, MPH

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Molecular imaging and cellular toxicity measures for early diagnosis of AL amyloid cardiomyopathy **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$374,790

MASSACHUSETTS

Ellinor, Patrick MD, PhD

Program Type: Strategically Focused Research Network **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Genomics and Epigenetics of Atrial Fibrillation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$1,003,732

MASSACHUSETTS

Elmariah, Sammy MD, MPH

Program Type: Fellow-to-Faculty Transition Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Multimodality Prediction of Left Ventricular Remodeling and Clinical Outcomes in Patients with Aortic Stenosis **Award Start Date:** 7/1/2014 **Award End Date:** 6/30/2019 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Engelberg, Klemens MSc, PhD

Program Type: Postdoctoral Fellowship **Institution:** Boston College, Chestnut Hill **City:** Chestnut Hill **Project Title:** Cytokinetic signaling pathways as putative drug targets in the heart parasite *Toxoplasma gondii* **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$114,368

MASSACHUSETTS

Etherton, Mark MD PhD, BS

Program Type: Clinical Scientist Training Program **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Advanced Neuroimaging to Predict Functional Outcomes After Ischemic Stroke **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$118,628

MASSACHUSETTS

Fan, Qiuyun BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** TractCaliber MRI for Characterizing Axonal Damage in Ischemic Stroke **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

MASSACHUSETTS

Farokhzad, Omid MD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Development of non-invasive diagnostic tools and therapeutic agents for superficial erosion using nanotechnology **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$219,999

MASSACHUSETTS

Feinberg, Mark MD

Program Type: Strategically Focused Research Network **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Non-coding RNAs in diabetic critical limb ischemia: discovery, pathobiology, and therapeutic intervention **Award Start Date:** 4/1/2018 **Award End Date:** 3/31/2022 **Total Years:** 4 **Total Award Amount:** \$1,042,800

MASSACHUSETTS

Fetterman, Jessica BA, PhD

Program Type: Mentored Clinical & Population Research Program **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** E-cigarette-Induced Endothelial Dysfunction in Human Participants **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Fletcher, Elizabeth BA, PhD

Program Type: Postdoctoral Fellowship **Institution:** Tufts Medical Center **City:** Boston **Project Title:** The Role of Monocyte PAR1 in Coronary Artery Disease and Myocardial Ischemia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

MASSACHUSETTS

Fredenburgh, Laura MD, MA

Program Type: Grant-in-Aid **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** YAP/TAZ Regulation of TGF-beta/BMP Signaling and Vascular Remodeling in Pulmonary Arterial Hypertension **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Freedman, Jane MD, BA

Program Type: Strategically Focused Research Network **Institution:** University of Massachusetts Medical School **City:** Worcester **Project Title:** Extracellular RNA, Adverse Left Ventricular Remodeling, and Heart Failure Progression **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$1,042,800

MASSACHUSETTS

Fuster, Jose BS, PhD

Program Type: Scientist Development Grant **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Role of age-associated TET2 mutations in atherosclerosis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Gaca, Anthony BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts Eye & Ear Infirmary, Boston **City:** Boston **Project Title:** New mobile element class in the evolution of pathogenic *Enterococcus faecalis* **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$102,550

MASSACHUSETTS

Garlo, Katherine MD

Program Type: Mentored Clinical & Population Research Program **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Safety and Efficacy of Non Vitamin K Novel Antagonists Compared with Warfarin in Patients with Atrial Fibrillation and C **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Gaudet, Rachelle PhD

Program Type: Grant-in-Aid **Institution:** Harvard University, Cambridge **City:** Cambridge **Project Title:** Direct Identification of Druggable Sites in TRPA1 **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$198,000

MASSACHUSETTS

Ghosh, Arpan BSC, MSc

Program Type: Postdoctoral Fellowship **Institution:** Harvard Medical School **City:** Boston **Project Title:** Characterizing the roles of muscle-VEGF mediated organ communication in lipid metabolism **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

MASSACHUSETTS

Gopal, Deepa MD, MD

Program Type: Fellow-to-Faculty Transition Award **Institution:** Boston Medical Center **City:** Boston
Project Title: Cardiac Phenotyping to Identify Preclinical Heart Failure in Metabolic Syndrome **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2022 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Guo, Yuxuan PhD, BS

Program Type: Postdoctoral Fellowship **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Determine the role of serum response factor signaling in cardiomyocyte maturation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Haemmig, Stefan PhD

Program Type: Postdoctoral Fellowship **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Role of the lncRNA SNHG12 in atherosclerosis and DNA damage response **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

MASSACHUSETTS

Hanafy, Khalid MD PhD

Program Type: Grant-in-Aid **Institution:** Beth Israel Deaconess Medical Center **City:** Boston **Project Title:** HO-1 and TLR4 in Sterile Fever after Subarachnoid Hemorrhage **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Harding, Ian BS

Program Type: Predoctoral Fellowship **Institution:** Northeastern University, Boston **City:** Boston **Project Title:** The Endothelial Glycocalyx and Blood-Brain Barrier Integrity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

MASSACHUSETTS

Hedjazi Moghari, Mehdi BSc, MSc

Program Type: Career Development Award **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Improving Outcomes in Pediatric Cardiology by Performing Virtual Cardiac Surgery **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Herman, Mark BSE, MD

Program Type: Collaborative Sciences Award **Institution:** Beth Israel Deaconess Medical Center **City:**

Boston Project Title: Genomic and Genetic Investigation of Sugar-Induced Cardiometabolic Risk **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$496,141

MASSACHUSETTS

Heyward, Frankie BA, BA

Program Type: Postdoctoral Fellowship **Institution:** Beth Israel Deaconess Medical Center **City:** Boston **Project Title:** Cell-type specific epigenomic profiles as a tool to identify novel transcriptional pathways regulating weight loss **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Hossain, Mir BS, MS

Program Type: Postdoctoral Fellowship **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Characterization of master regulators of adult erythropoiesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

MASSACHUSETTS

Huang, Zhanpeng PhD, BS

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Molecular mechanisms of the protection of CIP against cardiac remodeling **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Huffman, Jeff MD

Program Type: Mentor-AHA Mentee Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$45,000

MASSACHUSETTS

Jaffe, Iris PhD, MD

Program Type: Established Investigator Award **Institution:** Tufts Medical Center **City:** Boston **Project Title:** Extra-Renal Mineralocorticoid Receptors in Hypertension and Atherosclerosis **Award Start Date:** 1/1/2014 **Award End Date:** 12/31/2018 **Total Years:** 5 **Total Award Amount:** \$400,000

MASSACHUSETTS

Jaffre, Fabrice PhD

Program Type: Scientist Development Grant **Institution:** Beth Israel Deaconess Medical Center **City:** Boston **Project Title:** Deciphering novel molecular mechanisms underlying hypertrophic cardiomyopathy in Noonan syndrome using iPSCs **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Jatkar, Aditi MS

Program Type: Predoctoral Fellowship **Institution:** Harvard School of Public Health **City:** Boston **Project Title:** Mechanisms coordinating de novo lipogenesis with triglyceride synthesis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

MASSACHUSETTS

Jiang, Mengxi PhD

Program Type: Postdoctoral Fellowship **Institution:** Whitehead Institute for Biomedical Research, Cambridge **City:** Cambridge **Project Title:** The role of long non-coding RNA lncE3 in depot-specific adipocyte development and function **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

MASSACHUSETTS

Kalluri, Aditya BS

Program Type: Predoctoral Fellowship **Institution:** Harvard University, Cambridge **City:** Cambridge **Project Title:** High-dimensional characterization of endothelial cell transcriptional response to environmental drivers of shock subtype **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

MASSACHUSETTS

Kang, Peter MD, BA

Program Type: Grant-in-Aid **Institution:** Beth Israel Deaconess Medical Center **City:** Boston **Project Title:** Thrombus targeted nano drug delivery system for thromboembolic diseases **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Kant, Shashi PhD

Program Type: Scientist Development Grant **Institution:** University of Massachusetts Medical School **City:** Worcester **Project Title:** Mitogen Kinase Kinase 4 links insulin resistance and atherosclerosis **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Kellnberger, Stephan PhD, MSc

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Integrated NIRF-IVUS imaging system to assess the role of plaque inflammation and burden on plaque progression **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$114,368

MASSACHUSETTS

Kim, Edy MD PhD, BA

Program Type: Fellow-to-Faculty Transition Award **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** NKT cells protect against brain injury after cardiac arrest and resuscitation **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2020 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Kim, Jonghan PhD

Program Type: Grant-in-Aid **Institution:** Northeastern University, Boston **City:** Boston **Project Title:** Multifunctional Nanochelators to Correct Cardiac Hypertrophy and Hyperlipidemia in Iron Overload Disorders **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Kimberly, W. Taylor MD PhD

Program Type: Collaborative Sciences Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Portable Magnetic Resonance Imaging for Cerebral Ischemia **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$176,518

MASSACHUSETTS

Kolachalama, Vijaya PhD, BS

Program Type: Scientist Development Grant **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Mechanisms of drug-coated balloon therapy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Koupenova, Milka BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Massachusetts Medical School **City:** Worcester **Project Title:** Platelets, Viruses and Antiviral response **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Kuo, Yu-Ting PhD, BS

Program Type: Postdoctoral Fellowship **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Investigation of Chaperone-dependent Regulation of Sphingosine-1-Phosphate Functions **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Kwan, Gene MD, MPH

Program Type: Mentored Clinical & Population Research Program **Institution:** Boston Medical Center

City: Boston **Project Title:** A Mixed Methods Evaluation of Barriers to Heart Failure Care in Rural Haiti
Award Start Date: 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Lewis, Gregory BA, MD

Program Type: Institute - Grand Challenge Grant **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: Metabolic Profiling of Exercise to Predict Cardiometabolic Risk **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$2,000,000

MASSACHUSETTS

Li, Shasha MD, MS

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Localizing Central Swallowing Functions by Combining Noninvasive Brain Stimulation with Neuroimaging **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$102,550

MASSACHUSETTS

Liao, Ronglih PhD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City:** Boston
Project Title: Molecular imaging and cellular toxicity measures for early diagnosis of AL amyloid cardiomyopathy **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$374,554

MASSACHUSETTS

Libby, Peter MD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City:** Boston
Project Title: Development of non-invasive diagnostic tools and therapeutic agents for superficial erosion using nanotechnology **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$309,999

MASSACHUSETTS

Liu, Cong-Lin MD, MS

Program Type: Postdoctoral Fellowship **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** IL18 uses two alternative receptors in abdominal aortic aneurysm **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$103,328

MASSACHUSETTS

Liu, Junxiu PhD, MS

Program Type: Postdoctoral Fellowship **Institution:** Tufts University, Boston **City:** Boston **Project Title:**

Comparative and cost-effectiveness of population strategies to improve diet and reduce CVD among low-income Americans. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Lu, Michael MD

Program Type: Institute - Uncovering New Patterns Grant **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Deep learning to automate coronary calcium quantification and predict cardiovascular risk from lung cancer screening CT **Award Start Date:** 4/2/2018 **Award End Date:** 3/31/2019 **Total Years:** 1 **Total Award Amount:** \$150,000

MASSACHUSETTS

Lubitz, Steven BS, MD

Program Type: Strategically Focused Research Network **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Precision Medicine in Ischemic Stroke and Atrial Fibrillation (PreMISe-AF) **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$1,016,576

MASSACHUSETTS

Luptak, Ivan PhD, MD

Program Type: Fellow-to-Faculty Transition Award **Institution:** Boston Medical Center **City:** Boston **Project Title:** Elevated intracellular sodium worsens mitochondrial ROS and ATP production in obesity induced diastolic dysfunction. **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2020 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Mader, Timothy MD, NONE

Program Type: Innovative Project Award **Institution:** Baystate Medical Center **City:** Springfield **Project Title:** Novel ventricular fibrillation resuscitation drug cocktail development: Proof of concept **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,998

MASSACHUSETTS

Malhotra, Rajeev BA, MS

Program Type: Transformational Project Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** A Novel Regulatory Pathway in Vascular Smooth Muscle Phenotypic Transition and Calcification **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

MASSACHUSETTS

Marini, Sandro MD

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Impact of Self-reported vs. genetic ancestry on modeling of intracerebral hemorrhage outcomes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$125,120

MASSACHUSETTS

McGrath, Martina MB ChB

Program Type: Fellow-to-Faculty Transition Award **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Controlling alloimmune activation with combinatorial costimulation blockade **Award Start Date:** 7/1/2014 **Award End Date:** 12/30/2019 **Total Years:** 5 **Total Award Amount:** \$592,997

MASSACHUSETTS

McKeown, Nicola PhD

Program Type: Collaborative Sciences Award **Institution:** Tufts University, Boston **City:** Boston **Project Title:** Genomic and Genetic Investigation of Sugar-Induced Cardiometabolic Risk **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$253,859

MASSACHUSETTS

Milan, David MSc, MD

Program Type: Innovative Project Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Mechanisms of Obesity Related Atrial Fibrillation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

MASSACHUSETTS

Nezafat, Reza PhD

Program Type: Established Investigator Award **Institution:** Beth Israel Deaconess Medical Center **City:** Boston **Project Title:** Quantitative Cardiac MR Biomarkers of Cardiotoxicity in Breast Cancer **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2019 **Total Years:** 5 **Total Award Amount:** \$400,000

MASSACHUSETTS

Nigwekar, Sagar MD, MSc

Program Type: Fellow-to-Faculty Transition Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Evaluating the Role of Vitamin K in Calcific Uremic Arteriopathy **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2020 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Opotowsky, Alexander MD, MPH

Program Type: Innovative Research Grant **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** CLINICAL AND PROTEOMIC PATHOPHENOTYPING OF FOUR CONGENITAL HEART DISEASE

ARCHETYPES **Award Start Date:** 1/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$150,000

MASSACHUSETTS

Osborne, Michael BSE, MD

Program Type: Career Development Award **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: The Effect of Mindfulness on Vascular Inflammation: A Multi-System PET/MRI Study **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$230,988

MASSACHUSETTS

Ozaki, C Keith MD

Program Type: Grant-in-Aid **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Protective Mechanisms by Protein Restriction in Intimal Hyperplasia **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$198,000

MASSACHUSETTS

Page, David MD

Program Type: Innovative Research Grant **Institution:** Whitehead Institute for Biomedical Research, Cambridge **City:** Cambridge **Project Title:** A Global Characterization of Sex Differences in the Human Heart **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$149,980

MASSACHUSETTS

Park, Sang W PhD

Program Type: Innovative Project Award **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Mechanisms underlying obesity-induced cardiovascular disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

MASSACHUSETTS

Parker, Kevin PhD

Program Type: Collaborative Sciences Award **Institution:** Wyss Institute **City:** Boston **Project Title:** Towards precision medicine in inherited arrhythmias using patient-derived induced pluripotent stem cells **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$345,000

MASSACHUSETTS

Paynter, Nina PhD, MHSc

Program Type: Institute - Methods Validation Grant **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Flexible Framework for Cardiovascular Risk Prediction in a Clinical Setting **Award Start Date:** 10/1/2017 **Award End Date:** 9/30/2019 **Total Years:** 2 **Total Award Amount:** \$184,868

MASSACHUSETTS

Penumatsa, Krishna PhD, MS

Program Type: Career Development Award **Institution:** Tufts Medical Center **City:** Boston **Project Title:** Role of Transglutaminase 2 in Inflammation and Glycolysis Mediated Pulmonary Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Perreault, Luke BS, ME

Program Type: Predoctoral Fellowship **Institution:** Tufts University, Medford **City:** Medford **Project Title:** Organ engineering in the context of developmental biology: ECM developmental age effects on organ recellularization **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

MASSACHUSETTS

Plummer, Ashlee BS, PhD

Program Type: Postdoctoral Fellowship **Institution:** Harvard Medical School **City:** Boston **Project Title:** Elucidation of the Mechanism for Cholesterol Transport by ABCA1 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$103,328

MASSACHUSETTS

Pu, William MD

Program Type: Collaborative Sciences Award **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Towards precision medicine in inherited arrhythmias using patient-derived induced pluripotent stem cells **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$345,600

MASSACHUSETTS

Pu, William MD

Program Type: Innovative Research Grant **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Forward genetic screen to discover regulators of mammalian cardiomyocyte maturation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$150,000

MASSACHUSETTS

Rabhi, Nabil PhD

Program Type: Postdoctoral Fellowship **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Perivascular adipose tissue in cardiovascular disease **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$103,328

MASSACHUSETTS

Rade, Jeffrey MD, BS

Program Type: Grant-in-Aid **Institution:** University of Massachusetts Medical School **City:** Worcester
Project Title: Inhibition of non-platelet thromboxane generation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Roh, Jason BA, MD

Program Type: Fellow-to-Faculty Transition Award **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: Defining the role of Activin-A and Activin type II receptor signaling in heart failure
Award Start Date: 7/1/2016 **Award End Date:** 6/30/2021 **Total Years:** 5 **Total Award Amount:** \$593,000

MASSACHUSETTS

Rosen, Matthew BS, PhD

Program Type: Collaborative Sciences Award **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: Portable Magnetic Resonance Imaging for Cerebral Ischemia **Award Start Date:** 7/1/2017
Award End Date: 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$158,913

MASSACHUSETTS

Rosenzweig, Anthony MD

Program Type: Strategically Focused Research Network **Institution:** Massachusetts General Hospital
City: Boston **Project Title:** Functional roles of circulating ncRNAs in pathological hypertrophy and heart failure
Award Start Date: 7/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$1,042,800

MASSACHUSETTS

Rosenzweig, Anthony MD

Program Type: Strategically Focused Research Network **Institution:** Massachusetts General Hospital
City: Boston **Project Title:** Extracellular RNA Markers And Modulators of Heart Failure **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$580,800

MASSACHUSETTS

Saffitz, Jeffrey PhD, MD

Program Type: Transformational Project Award **Institution:** Beth Israel Deaconess Medical Center **City:** Boston
Project Title: Arrhythmogenic Cardiomyopathy is an Inflammatory Disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$300,000

MASSACHUSETTS

Salvador, Ane Miren PharmD, MS

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Development of conditional-siRNA programmable riboswitch for targeting adverse cardiac

remodeling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

MASSACHUSETTS

Sands, Scott BS, PhD

Program Type: Scientist Development Grant **Institution:** Brigham & Women's Hospital **City:** Boston
Project Title: Sleep apnea phenotyping for personalized therapy using clinical polysomnography **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

MASSACHUSETTS

Skurnik, Geraldine MD, MSc

Program Type: Postdoctoral Fellowship **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Impaired urinary sodium excretion, renal vascular resistance and sFlt1 in women with prior preeclampsia **Award Start Date:** 1/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$120,800

MASSACHUSETTS

Song, Kai BS, PhD

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** The role of epsin in regulating SR-B1 function and lipid metabolism in atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Strom, Jordan BS, MD

Program Type: Career Development Award **Institution:** Beth Israel Deaconess Medical Center **City:** Boston
Project Title: Identification of the Components of Frailty Using Administrative Data and Metabolite Profiling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Sui, Xuewu PhD

Program Type: Postdoctoral Fellowship **Institution:** Harvard School of Public Health **City:** Boston **Project Title:** Unraveling the structural and biochemical mechanisms for lipid droplet biogenesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

MASSACHUSETTS

Swirski, Filip PhD

Program Type: Established Investigator Award **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: Colony-stimulating Factors in Cardiovascular Disease **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2021 **Total Years:** 5 **Total Award Amount:** \$400,000

MASSACHUSETTS

Tan, Can Ozan PhD

Program Type: Scientist Development Grant **Institution:** Spaulding Rehabilitation Hospital, Boston **City:** Boston **Project Title:** Chronic Spinal Cord Injury and Short-Term Control of Cerebral Blood Flow in Humans **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

MASSACHUSETTS

Taranto Montemurro, Luigi MD, MD

Program Type: Postdoctoral Fellowship **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Effect of desipramine on obstructive sleep apnea severity in patients with poor pharyngeal muscle compensation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$120,800

MASSACHUSETTS

Tessier, Shannon PhD, MSc

Program Type: Career Development Award **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Whole heart suspended animation: leveraging the zebrafish to solve the organ shortage. **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Trinquant, Ludovic PhD

Program Type: Strategically Focused Research Network **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Clinical and genetic prediction of lifetime risk of atrial fibrillation and its complications **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$798,485

MASSACHUSETTS

Tsaousidou, Eva PhD

Program Type: Postdoctoral Fellowship **Institution:** Harvard School of Public Health **City:** Boston **Project Title:** Metaflammation regulation by components of the small non-coding RNA processing machinery **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$110,456

MASSACHUSETTS

Valero Munoz, Maria BSc, PhD

Program Type: Postdoctoral Fellowship **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Translational regulators of adipose tissue in HFpEF **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$110,456

MASSACHUSETTS

Van Leyen, Klaus PhD

Program Type: Grant-in-Aid **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Investigating Novel Mechanisms for Increased Hemorrhage Following Ischemia **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2018 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Varghese, Frency BSC, BS

Program Type: Postdoctoral Fellowship **Institution:** University of Massachusetts Medical School **City:** Worcester **Project Title:** Combination CaMKII α and Cx43 gene painting therapy: A Synergistic approach to treat AF and AF induced cardiac remodeling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Vest, Amanda BSC, MBBS

Program Type: Scientist Development Grant **Institution:** Tufts Medical Center **City:** Boston **Project Title:** Is Sarcopenia Reversible in Systolic Heart Failure? **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$229,985

MASSACHUSETTS

Vlahakes, Gus MD

Program Type: Grant-in-Aid **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Molecular reduction of ischemic ventricular remodeling following ring annuloplasty **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$198,000

MASSACHUSETTS

Wainford, Richard BSC, PhD

Program Type: Grant-in-Aid **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** Neural Control of the Kidney and Blood Pressure Regulation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$154,000

MASSACHUSETTS

Wainford, Richard BSC, PhD

Program Type: Mentor-AHA Mentee Award **Institution:** Boston University Medical Campus **City:** Boston **Project Title:** **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$60,000

MASSACHUSETTS

Wasfy, Jason MD, MS

Program Type: Career Development Award **Institution:** Massachusetts General Hospital **City:** Boston

Project Title: Effects of Medicaid Expansion on Process and Outcome Measures for Patients with Heart Disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Watanabe, Shinya PhD

Program Type: Scientist Development Grant **Institution:** University of Massachusetts Medical School **City:** Worcester **Project Title:** Molecular mechanism of histone variant H2A.Z deposition by chromatin remodeling factors **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Weiner, Rory MD

Program Type: Scientist Development Grant **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Exercise-Induced Concentric Left Ventricular Hypertrophy:Pathophysiologic Implications and Potential Reversibility **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

MASSACHUSETTS

Weng, Jui-Hsia BS, MS

Program Type: Postdoctoral Fellowship **Institution:** Harvard Medical School **City:** Boston **Project Title:** Novel Anti-Inflammatory Hepatokine for Cardiovascular Medicine **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$114,368

MASSACHUSETTS

Weng, Lu-Chen PhD

Program Type: Postdoctoral Fellowship **Institution:** Massachusetts General Hospital **City:** Boston **Project Title:** Leveraging Genomics to Identify Causal Risk Factors for Atrial Fibrillation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$106,532

MASSACHUSETTS

Wu, Hao PhD

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Role of Epsins in Sepsis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

MASSACHUSETTS

Wu, Ona PhD

Program Type: Institute - Uncovering New Patterns Grant **Institution:** Massachusetts General Hospital

City: Boston **Project Title:** Curation and HARMonization of stroke imagING (CHARMING) Study **Award Start Date:** 4/2/2018 **Award End Date:** 3/31/2019 **Total Years:** 1 **Total Award Amount:** \$148,016

MASSACHUSETTS

Xing, Changhong BS, MS

Program Type: Scientist Development Grant **Institution:** Massachusetts General Hospital **City:** Boston
Project Title: Neuronal production of lipocalin-2 as a help-me signal for gliovascular activation **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

MASSACHUSETTS

Yu, Mikyung PhD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City:** Boston
Project Title: Development of non-invasive diagnostic tools and therapeutic agents for superficial erosion using nanotechnology **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3
Total Award Amount: \$220,002

MASSACHUSETTS

Zhang, Kehan BS, BSE

Program Type: Predoctoral Fellowship **Institution:** Boston University, Boston **City:** Boston **Project Title:** Intercellular Junctions in Cardiomyocyte Mechanotransduction **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

MASSACHUSETTS

Zhang, Tracy/Yuanfan PhD, MSE

Program Type: Postdoctoral Fellowship **Institution:** Boston Children's Hospital **City:** Boston **Project Title:** Jagged1 as therapeutic target for cardiomyopathy in Duchenne muscular dystrophy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060

MASSACHUSETTS

Zhang, Xian PhD

Program Type: Postdoctoral Fellowship **Institution:** Brigham & Women's Hospital **City:** Boston **Project Title:** Role of subcutaneous fat mast cells in adipose tissue thermogenesis and systemic energy expenditure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$104,060