

American Heart Association Awardees by Program Type

Last Update: August 2018

Scientist Development Grant

Abbott, Marcia BS, MS

Program Type: Scientist Development Grant **Institution:** Chapman University **City/State:** Orange, CA
Project Title: Role of interleukin-15 in reversing obesity-induced cardiovascular dysfunction **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Abdelsaid, Mohammed BA, MS

Program Type: Scientist Development Grant **Institution:** Mercer University School of Medicine
City/State: Savannah, GA **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

Abedini, Andisheh PhD

Program Type: Scientist Development Grant **Institution:** NYU Medical Center **City/State:** New York, NY
Project Title: RAGE-mediated cellular pathways that exacerbate islet amyloidosis-induced beta-cell toxicity and diabetic complications **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Aboualaiwi, Wissam

Program Type: Scientist Development Grant **Institution:** University of Toledo Health Science Campus
City/State: Toledo, OH **Project Title:** Role of myocyte primary cilia in cardiovascular disease **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Ahmad, Shaad BA, PhD

Program Type: Scientist Development Grant **Institution:** Indiana State University, Terre Haute
City/State: Terre Haute, IN **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

Airola, Michael BA, MS

Program Type: Scientist Development Grant **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY
Project Title: Structure and function of Lipins: key enzymes in triglyceride synthesis and metabolism
Award Start Date: 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Al Ghouleh, Imad BSC, BA

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** The Roles of Nox1, EBP50 and Ask1 in Right Ventricular Hypertrophy **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Amengual Terrasa, Jaime PhD

Program Type: Scientist Development Grant **Institution:** New York University **City/State:** New York, NY **Project Title:** Regulation of atherosclerosis progression by beta-carotene **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Amini, Rouzbeh PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Akron **City/State:** Akron, OH **Project Title:** Multistate Model of The Tricuspid Valve Repair Surgery **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Andres, Allen PhD

Program Type: Scientist Development Grant **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Role of Mitophagy in Statin-Induced Skeletal Muscle Myopathy **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Ang, Yensin PhD, BS

Program Type: Scientist Development Grant **Institution:** Gladstone Institute, San Francisco **City/State:** San Francisco, CA **Project Title:** Mechanisms of GATA4 Gene Regulation in Human Cardiogenesis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Annabi, Nasim PhD

Program Type: Scientist Development Grant **Institution:** Northeastern University, Boston **City/State:** Boston, MA **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

Arble, Deanna PhD

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

Aslan, Joseph PhD

Program Type: Scientist Development Grant **Institution:** Oregon Health & Science University, Portland **City/State:** Portland, OR **Project Title:** Rho GTPase regulation of cytoskeletal dynamics and platelet function **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$230,999

Azadani, Ali PhD

Program Type: Scientist Development Grant **Institution:** University of Denver **City/State:** Denver, CO
Project Title: Assessment of Paravalvular Aortic Regurgitation following Transcatheter Aortic Valve Replacement **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Ballinger, Megan PhD

Program Type: Scientist Development Grant **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** The role of macrophages in regulating pulmonary fibrosis **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Barber, Sharrelle ScD

Program Type: Scientist Development Grant **Institution:** Drexel University **City/State:** Philadelphia, PA
Project Title: Examining Multilevel Social Predictors of Hypertension and Diabetes Control in the US and Brazil **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Barth, Andreas MD PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine
City/State: Baltimore, MD **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

Bauer, Robert BA, PhD

Program Type: Scientist Development Grant **Institution:** Columbia University, New York **City/State:** New York, NY **Project Title:** Mechanisms of Tribbles1 Regulation of Lipogenesis and Plasma Lipids in Humans
Award Start Date: 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Beard, Richard BS, PhD

Program Type: Scientist Development Grant **Institution:** Boise State University **City/State:** Boise, ID
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

Bensing, Barbara PhD, MS

Program Type: Scientist Development Grant **Institution:** University of California, San Francisco
City/State: San Francisco, CA **Project Title:** Differential recognition of sialoglycans by viridans group streptococci, and the role in infective endocarditis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Betley, John Nicholas PhD

Program Type: Scientist Development Grant **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **Project Title:** Identifying the neural circuits that inhibit weight loss **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Bihl, Ji PhD, MD

Program Type: Scientist Development Grant **Institution:** Wright State University, Dayton **City/State:** Dayton, OH **Project Title:** Role of ACE2 over-expressing endothelial progenitor cells in cerebral hemorrhage **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Blaho, Victoria PhD

Program Type: Scientist Development Grant **Institution:** Sanford Burnham Prebys Medical Discovery Institute, La Jolla **City/State:** La Jolla, CA **Project Title:** Role of endothelial cell S1P receptor 1 over-expression in deterioration of the bone marrow stem cell niche **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$231,000

Boerckel, Joel PhD

Program Type: Scientist Development Grant **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **Project Title:** Mechanical Control of Therapeutic Vasculogenesis for Peripheral Ischemia **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Bopassa, Jean C. PhD, MA

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

Boukrina, Olga PhD, BA

Program Type: Scientist Development Grant **Institution:** Kessler Foundation **City/State:** West Orange, NJ **Project Title:** Right brain stroke and the neural substrate of delirium **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$230,941

Boychuk, Carie PhD, BS

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

Boyle, Patrick BSC, PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University **City/State:** Baltimore, MD **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

Boyman, Liron PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland, Baltimore **City/State:** Baltimore, MD **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

Brown, Ashley PhD, BS

Program Type: Scientist Development Grant **Institution:** North Carolina State University **City/State:** Raleigh, NC **Project Title:** Development of anti-microbial platelet-like particles for augmentation of hemostasis and advanced wound healing **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Bulley, Simon PhD

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

Burnette, Dylan PhD

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

Calcagno, Claudia MD, PhD

Program Type: Scientist Development Grant **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **Project Title:** Quantitative permeability imaging of the mouse atherosclerotic vessel wall by self-gated DCE-MRI with compressed sensing **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2018 **Total Years:** 3 **Total Award Amount:** \$231,000

Calmettes, Guillaume BS, MS

Program Type: Scientist Development Grant **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Glutamate dehydrogenase as a novel signaling source of mitochondrial reactive oxygen species during cardiac precondition **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Cannone, Valentina MD, PhD

Program Type: Scientist Development Grant **Institution:** Mayo Clinic, Rochester **City/State:** Rochester, MN **Project Title:** Hypertension in Metabolic Syndrome: Natriuretic Peptide-Based Therapy and Pharmacogenetics **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Caswell, Clayton PhD

Program Type: Scientist Development Grant **Institution:** Virginia Polytechnic Institute **City/State:** Blacksburg, VA **Project Title:** Characterizing virulence-associated small RNAs of Brucella abortus **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Catania, Selen PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland, Baltimore **City/State:** Baltimore, MD **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

Cavallero, Carmen PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Southern California **City/State:** Los Angeles, CA **Project Title:** MOLECULAR PATHWAYS FOR ORGAN SPECIFIC VASCULAR MATURATION **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Chakraborty, Sanjukta PhD

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

Chang, Audrey PhD, BS

Program Type: Scientist Development Grant **Institution:** University of Texas Southwestern Medical Center **City/State:** Dallas, TX **Project Title:** Cell signaling mechanisms to cardiac myosin phosphorylation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Chaparro Lanfranco, Maria Pia PhD, MS

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **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

Charoenphol, Phapanin PhD, MS

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

Chen, Weiqiang BS, MS

Program Type: Scientist Development Grant **Institution:** New York University **City/State:** New York, NY
Project Title: Nanotopography-dependent neural induction of human induced pluripotent stem cells for post stroke neural rehabilitation **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Chen, Yiliang PhD

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

Chen, Yun PhD

Program Type: Scientist Development Grant **Institution:** Albert Einstein College of Medicine **City/State:** Bronx, NY **Project Title:** Regulation of mitochondrial function by chaperone mediated autophagy as a new mechanism in heart failure **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Choi, Hyehun BS, MS

Program Type: Scientist Development Grant **Institution:** Vanderbilt University Medical Center **City/State:** Nashville, TN **Project Title:** Regulation of Nox1-dependent TNF-alpha signaling by endocytosis and MAPKs in vascular smooth muscle cells **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Chouchani, Edward PhD

Program Type: Scientist Development Grant **Institution:** Dana-Farber Cancer Institute, Boston **City/State:** Boston, MA **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

Choudhury, Sangita PhD, MSc

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City/State:** Boston, MA **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

Cocchi, Michael BA, MD

Program Type: Scientist Development Grant **Institution:** Beth Israel Deaconess Medical Center
City/State: Boston, MA **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

Cockburn, Darrell BSC, PhD

Program Type: Scientist Development Grant **Institution:** Pennsylvania State University, University Park
City/State: University Park, PA **Project Title:** Developing resistant starch as an individualized intervention to prevent cardiovascular disease **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Conway, Daniel PhD, BS

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

Coon, Brian PhD

Program Type: Scientist Development Grant **Institution:** Yale University **City/State:** New Haven, CT
Project Title: Functional Screens of Athero-prone and Athero-resistant Shear Stress Pathways **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$229,599

Costa, Blaise BS, MS

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

Courties, Gabriel PhD

Program Type: Scientist Development Grant **Institution:** Massachusetts General Hospital **City/State:** Boston, MA
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

Covassin, Naima BSC, MS

Program Type: Scientist Development Grant **Institution:** Mayo Clinic, Rochester **City/State:** Rochester, MN
Project Title: Lowering blood pressure by sleep extension: a randomized, controlled trial **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Cudmore, Robert PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine
City/State: Baltimore, MD **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

Cui, Xiaobing MD, PhD

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

Czikora, Istvan PhD, MSc

Program Type: Scientist Development Grant **Institution:** Augusta University **City/State:** Augusta, GA
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

Das, Aditi PhD

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana
City/State: Urbana, IL **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

De Havenon, Adam MD

Program Type: Scientist Development Grant **Institution:** University of Utah **City/State:** Salt Lake City, UT
Project Title: Treatment Targets for Inflamed Intracranial Atherosclerosis on Vessel Wall MRI **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Dedhia, Raj MD, MS

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA
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

Demartino, Randall MD, MS

Program Type: Scientist Development Grant **Institution:** Mayo Clinic, Rochester **City/State:** Rochester, MN
Project Title: Contemporary Epidemiological Study of Incidence, Outcomes, and Resource Utilization for Acute Aortic Syndrome **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$307,925

Dey, Bijan BSc, MSc

Program Type: Scientist Development Grant **Institution:** University at Albany, SUNY **City/State:** Albany, NY
Project Title: Dysregulation of miR-133a-5p/HMGA2 axis causes skeletal and cardiac muscle degeneration by impairing autophagy in DMD **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Diop, Soda PhD, MS

Program Type: Scientist Development Grant **Institution:** Sanford Burnham Prebys Medical Discovery Institute, La Jolla **City/State:** La Jolla, CA **Project Title:** Mechanisms of diet-induced diabetic cardiomyopathy in the Drosophila heart model **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Dixon, Rose BS, PhD

Program Type: Scientist Development Grant **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Cardiac EC coupling: Many L-type Ca²⁺ channels make sparks work. **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Dorfman, Mauricio PhD

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

Duan, Bin PhD

Program Type: Scientist Development Grant **Institution:** University of Nebraska Medical Center, Omaha **City/State:** Omaha, NE **Project Title:** Bio-inspired engineered pediatric valve regulates MSC differentiation and MSC-monocyte interaction **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Dubrac, Alexandre PhD

Program Type: Scientist Development Grant **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Guidance of pericyte patterning **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Durgan, David BS, MS

Program Type: Scientist Development Grant **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** The role of the gut microbiome in obstructive sleep apnea induced hypertension **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Evans, Louise MSc, MSc

Program Type: Scientist Development Grant **Institution:** Medical College of Wisconsin **City/State:** Milwaukee, WI **Project Title:** H₂O₂ initiates renal inflammation in salt-sensitive hypertension. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Fan, Zhaoyang PhD, MSc

Program Type: Scientist Development Grant **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Carotid Atherosclerotic Disease: 3D MRI Characterization of Vulnerable Plaque Features without Contrast Media **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Fang, Pu PhD

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** Inflammatory monocyte differentiation in type 2 diabetes mellitus **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Feng, Wenguang MD, PhD

Program Type: Scientist Development Grant **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** The Role of Transcription Factor ETS-1 in Arteriovenous Fistula Neointimal Hyperplasia **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Frank, Kristi BS, BS

Program Type: Scientist Development Grant **Institution:** The Henry M Jackson Foundation for the Advancement of Military Medicine **City/State:** Bethesda, MD **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

Fu, Yingli BS, ME

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Fukunaga, Ryuya PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Furuya, Yoichi PhD

Program Type: Scientist Development Grant **Institution:** Albany Medical Center **City/State:** Albany, NY **Project Title:** Type 2 innate lymphoid cell-alveolar macrophage axis in intranasal vaccination **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Fuster, Jose BS, PhD

Program Type: Scientist Development Grant **Institution:** Boston University Medical Campus **City/State:** Boston, MA **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

Galam, Lakshmi PhD

Program Type: Scientist Development Grant **Institution:** University of South Florida, Tampa **City/State:** Tampa, FL **Project Title:** Role of SOCS-1 mediated Siah2 regulation in acute lung injury **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Galie, Peter BS, MS

Program Type: Scientist Development Grant **Institution:** Rowan University **City/State:** Glassboro, NJ **Project Title:** Establishing a mechanistic link between cerebral blood flow and the blood-brain barrier **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$216,150

Ganta, Vijay PhD

Program Type: Scientist Development Grant **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** Modulation of Anti-angiogenic VEGFxxx Reveals Novel VEGF Signaling in Peripheral Arterial Disease **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Gao, Zhonghua PhD

Program Type: Scientist Development Grant **Institution:** Pennsylvania State University, Hershey **City/State:** Hershey, PA **Project Title:** Regulation of ES Cell Cardiac Differentiation by PRC1 Complexes **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Garcia-Bonilla, Lidia PhD, BCH

Program Type: Scientist Development Grant **Institution:** Weill Medical College of Cornell University **City/State:** New York, NY **Project Title:** Role of brain endothelial CD36 in neutrophil-induced post-ischemic inflammatory injury **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Garg, Vivek PhD, MS

Program Type: Scientist Development Grant **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Molecular Mechanisms of Mitochondrial Calcium Uptake **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Giani, Jorge BS, BS

Program Type: Scientist Development Grant **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Mechanism by which intrarenal ACE affects salt sensitivity **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Glukhov, Alexey BS, MSc

Program Type: Scientist Development Grant **Institution:** University of Wisconsin, Madison **City/State:** Madison, WI **Project Title:** The role of compartmentalized regulation of calcium signalling in atrial remodelling in heart failure **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Goldman, Joseph BS, PhD

Program Type: Scientist Development Grant **Institution:** Duke University Durham **City/State:** Durham, NC **Project Title:** Identifying the network of transcription factors controlling zebrafish heart regeneration **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Gomez, Delphine BS, MSc

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** Epigenetic control of Vascular Smooth Muscle cell Lineage Memory **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Gowher, Humaira PhD

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

Grandi, Eleonora PhD

Program Type: Scientist Development Grant **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Cross-talk of Ca, CaMKII, and beta-adrenergic signaling in atrial fibrillation **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$307,986

Gregoski, Mat PhD, MS

Program Type: Scientist Development Grant **Institution:** Campbell University, Buis Creek **City/State:** Buies Creek, NC **Project Title:** Personalized Prevention of CVD: Role of Genetics, Stress, and Behavioral Factors **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Griffett, Kristine PhD

Program Type: Scientist Development Grant **Institution:** St Louis College of Pharmacy **City/State:** St Louis, MO **Project Title:** Investigating the LXR-Acat2 Connection for the Treatment of Atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Grisanti, Laurel BA, PhD

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA
Project Title: Beta-Adrenergic Receptor Regulation of Inflammation in the Damaged Heart **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Gulshan, Kailash PhD

Program Type: Scientist Development Grant **Institution:** Cleveland Clinic Foundation **City/State:** Cleveland, OH **Project Title:** Mechanisms of cellular lipid homeostasis and nascent HDL formation.
Award Start Date: 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Guo, Ang BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City/State:** Iowa City, IA **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

Guo, Yanhong MD, PhD

Program Type: Scientist Development Grant **Institution:** University of Michigan Medical Center **City/State:** Ann Arbor, MI **Project Title:** KLF14 induces atherosclerosis regression by enhancing reverse cholesterol transport **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Hammer, Neal PhD, MS

Program Type: Scientist Development Grant **Institution:** Michigan State University **City/State:** East Lansing, MI **Project Title:** Defining the factors that impact the respiratory activity of Staphylococcus aureus **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Han, Xiaoning PhD, MD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Hao, Wenrui PhD

Program Type: Scientist Development Grant **Institution:** Pennsylvania State University, University Park **City/State:** University Park, PA **Project Title:** Personalized diagnosis and prediction of atherosclerotic aneurysms via computational models **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Hariharan, Nirmala BS, MSc

Program Type: Scientist Development Grant **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Myocardial Aging and Regeneration: Recapitulating Human Biology Using Wild Mice **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Hayenga, Heather BS, PhD

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

Heallen, Todd PhD

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

Hernandes, Marina PhD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **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

Hu, Hui PhD, BS

Program Type: Scientist Development Grant **Institution:** University of Florida, Gainesville **City/State:** Gainesville, FL **Project Title:** The Total Environment and Hypertensive Disorders of Pregnancy: A Precision Public Health Approach **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$230,788

Hu, Song PhD

Program Type: Scientist Development Grant **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** Photoacoustic Microscopy of Cerebral Oxygen Metabolism in Mouse Model of Ischemic Stroke **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Huang, Zhanpeng PhD, BS

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City/State:** Boston, MA **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

Hutcheson, Joshua PhD, MSc

Program Type: Scientist Development Grant **Institution:** Florida International University, Miami
City/State: Miami, FL **Project Title:** Tracing the Therapeutic Efficacy of Bisphosphonates in Bone and Vascular Mineralization **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Hwang, Jee-Yeon BS, MS

Program Type: Scientist Development Grant **Institution:** Albert Einstein College of Medicine **City/State:** Bronx, NY **Project Title:** The role of miR-132 and miR-34 in global ischemia **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Imam, Farhad MD PhD

Program Type: Scientist Development Grant **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Cardio- and Neuroprotection via Hypoxic Preconditioning: Mechanistic Insights from a Zebrafish Disease Model **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Imoukhuede, Princess PhD, BS

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City/State:** Urbana, IL **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

Intapad, Suttira BSc, PhD

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **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

Irvin, Marguerite PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Genomics of lipidomic phenotypes in a postprandial intervention dietary study **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$306,553

Ishikawa, Kiyotake MD

Program Type: Scientist Development Grant **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **Project Title:** Mechanistic and Therapeutic Roles of miRNAs in Left Ventricular Remodeling and Heart Failure **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Itani, Hana PhD

Program Type: Scientist Development Grant **Institution:** Vanderbilt University Medical Center
City/State: Nashville, TN **Project Title:** The Role of Immunological Memory in Hypertension **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Jaffre, Fabrice PhD

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

Jain, Nishank MD, MPH

Program Type: Scientist Development Grant **Institution:** University of Arkansas for Medical Sciences, Little Rock **City/State:** Little Rock, AR **Project Title:** Effectiveness and Safety of Clopidogrel, Prasugrel and Ticagrelor in Patients with End Stage Renal Disease (ESCALATE) **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Ji, Yewei PhD

Program Type: Scientist Development Grant **Institution:** University of Michigan **City/State:** Ann Arbor, MI **Project Title:** Novel Roles of Toll-like Receptors in Beta Cells **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Kaar, Jill PhD

Program Type: Scientist Development Grant **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Influence of Sleep Duration on Health Behavior Patterns and Childhood Obesity Risk **Award Start Date:** 7/1/2016 **Award End Date:** 9/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Kainerstorfer, Jana PhD

Program Type: Scientist Development Grant **Institution:** Carnegie Mellon University **City/State:** Pittsburgh, PA **Project Title:** Cerebral autoregulation assessment with near-infrared light during intracranial pressure changes **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Kanekiyo, Takahisa MD, PhD

Program Type: Scientist Development Grant **Institution:** Mayo Clinic, Jacksonville **City/State:** Jacksonville, FL **Project Title:** Vascular cognitive impairment and CAA; roles of apoE and apoE receptors **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Kang, Hojin PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **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

Kang, Junsu PhD

Program Type: Scientist Development Grant **Institution:** University of Wisconsin, Madison **City/State:** Madison, WI **Project Title:** Unraveling the regulatory mechanisms of cardiac regeneration enhancer **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Kannappan, Ramaswamy PhD

Program Type: Scientist Development Grant **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Transcription factor p53 controls the fate of cardiomyocyte differentiation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Kant, Shashi PhD

Program Type: Scientist Development Grant **Institution:** University of Massachusetts Medical School **City/State:** Worcester, MA **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

Karch, Jason PhD, BA

Program Type: Scientist Development Grant **Institution:** Cincinnati Children's Hospital Medical Center **City/State:** Cincinnati, OH **Project Title:** Identification of Novel Regulators of Necrosis in the Ischemic Heart. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Karnes, Jason BA, PharmD

Program Type: Scientist Development Grant **Institution:** University of Arizona, Tucson **City/State:** Tucson, AZ **Project Title:** Immunogenetics of Heparin-Induced Thrombocytopenia **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Kapurapu, Manjula PhD

Program Type: Scientist Development Grant **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** NFATc3 regulation of sepsis induced pulmonary edema **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Keyel, Peter BS, PhD

Program Type: Scientist Development Grant **Institution:** Texas Tech University, Lubbock **City/State:** Lubbock, TX **Project Title:** Membrane Repair as a Resistance Mechanism to Septic Cardiomyopathy **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Khan, Mohsin

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** Pluripotent stem cell exosome therapy for myocardial repair **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Kim, Kyeong Jin PhD

Program Type: Scientist Development Grant **Institution:** Columbia University, New York **City/State:** New York, NY **Project Title:** Role of gamma-secretase in dyslipidemia and atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Kim, Maengjo PhD

Program Type: Scientist Development Grant **Institution:** Mayo Clinic, Rochester **City/State:** Rochester, MN **Project Title:** gamma2 AMPK and heart failure **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Kim, Oleg PhD

Program Type: Scientist Development Grant **Institution:** University of California, Riverside **City/State:** Riverside, CA **Project Title:** Contraction of blood clots: structural, mechanical, and functional consequences **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$215,656

Kim, Yongtae PhD

Program Type: Scientist Development Grant **Institution:** Georgia Tech Research Corporation **City/State:** Atlanta, GA **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

Kim, Young-Chae PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City/State:** Urbana, IL **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

Kobayashi, Satoru BS, PhD

Program Type: Scientist Development Grant **Institution:** New York Institute of Technology, Old Westbury **City/State:** Old Westbury, NY **Project Title:** Lysosomal Dysfunction in the Diabetic Heart **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Kolachalama, Vijaya PhD, BS

Program Type: Scientist Development Grant **Institution:** Boston University Medical Campus **City/State:** Boston, MA **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

Kopechek, Jonathan BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY **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

Kostyak, John BS, MS

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** P2Y12 expression and signaling enhances platelet reactivity in type 2 diabetes **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Koupenova, Milka BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Massachusetts Medical School **City/State:** Worcester, MA **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

Koutakis, Panagiotis PhD

Program Type: Scientist Development Grant **Institution:** Baylor University **City/State:** Waco, TX **Project Title:** The role of the calpain proteolytic system in regulating skeletal muscle degeneration in claudication **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Kumar, Maya PhD

Program Type: Scientist Development Grant **Institution:** Stanford University School of Medicine, Palo Alto **City/State:** Palo Alto, CA **Project Title:** Cellular and molecular mechanisms underlying medial thickening in pulmonary hypertension **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Kumarasamy, Sivarajan PhD, MSc

Program Type: Scientist Development Grant **Institution:** University of Toledo Health Science Campus **City/State:** Toledo, OH **Project Title:** Resp18 a novel genetic determinant of blood pressure regulation and renal function **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Kung, Ethan BS, MS

Program Type: Scientist Development Grant **Institution:** Clemson University **City/State:** Clemson, SC
Project Title: Design of Fontan Cavopulmonary Assist Using A Novel Combined Experimental-
Computational Technology **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3
Total Award Amount: \$231,000

Kuzmiak-Glancy, Sarah BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland **City/State:** College Park,
MD **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

Kwong, Jennifer PhD, BA

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta,
GA **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

Lai, Yen-Chun Charly PhD

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh,
PA **Project Title:** Defining the role of Skeletal Muscle SIRT3 in modulation of PH-HFpEF **Award Start
Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Lal, Charitharth MBBS, MD

Program Type: Scientist Development Grant **Institution:** University of Alabama at Birmingham
City/State: Birmingham, AL **Project Title:** The role of pulmonary microbiome induced Ac-PGP in
Bronchopulmonary Dysplasia and associated Pulmonary Hypertension **Award Start Date:** 1/1/2017
Award End Date: 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Lassance-Soares, Roberta PhD

Program Type: Scientist Development Grant **Institution:** University of Miami, Miami **City/State:** Coral
Gables, FL **Project Title:** The role of vascular c-kit in arteriogenesis **Award Start Date:** 7/1/2017 **Award
End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Leary, Peter MD, BA

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

Lee, Chi Fung BSc, MSc

Program Type: Scientist Development Grant **Institution:** University of Washington, Seattle **City/State:** Seattle, WA **Project Title:** The roles of protein acetylation in SR calcium homeostasis and diastolic function **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Lee, Chung-Hao PhD

Program Type: Scientist Development Grant **Institution:** University of Oklahoma **City/State:** Norman, OK **Project Title:** Computer-assisted management and treatment of functional tricuspid regurgitation **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$307,049

Lee, Lik Chuan PhD

Program Type: Scientist Development Grant **Institution:** Michigan State University **City/State:** East Lansing, MI **Project Title:** Quantifying regional ventricular mechanics in patients with pulmonary hypertension **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Lee, Won Hee PhD, MS

Program Type: Scientist Development Grant **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Identifying Biomarkers of Low-Dose Radiation Risk and Mechanisms of Individual Radiation Sensitivity **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Leo, Marie Dennis Marcus PhD

Program Type: Scientist Development Grant **Institution:** University of Tennessee Health Science Center Memphis **City/State:** Memphis, TN **Project Title:** Regulation of arterial contractility by beta1 subunit trafficking **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Li, Deqiang PhD

Program Type: Scientist Development Grant **Institution:** University of Maryland, Baltimore **City/State:** Baltimore, MD **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

Li, Jie PhD

Program Type: Scientist Development Grant **Institution:** Augusta University **City/State:** Augusta, GA **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

Lin, Jiuann-Huey PhD, MD

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** LRP1, an endocytic vesicle trafficking protein, is associated with congenital heart defects ,an unexplored pathway **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Lira, Vitor PhD

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City/State:** Iowa City, IA **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

Liu, Bin MS, PhD

Program Type: Scientist Development Grant **Institution:** Mississippi State University, Mississippi State **City/State:** Mississippi State, MS **Project Title:** Gene transfer of calmodulin as a potential therapy for ryanopathies **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Liu, Chen PhD, BS

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

Liu, Hongbing PhD

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **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

Liu, Hua PhD

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

Liu, Qiang PhD, MD

Program Type: Scientist Development Grant **Institution:** St. Joseph's Hospital and Medical Center **City/State:** Phoenix, AZ **Project Title:** Autoreactive CD4+ T cells in Ischemic Stroke **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Liu, Yuan PhD

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** Regulation of Mitochondrial Function in Lung Injury **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Liverani, Elisabetta BSC, PhD

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** The role of activated platelets and P2Y12 receptor in sepsis **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Longden, Thomas BSC, PhD

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

Ma, Yonggang MA, PhD

Program Type: Scientist Development Grant **Institution:** University of Mississippi Medical Center **City/State:** Jackson, MS **Project Title:** Neutrophil polarization in post-myocardial infarction cardiac remodeling **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Mace, Camille PhD

Program Type: Scientist Development Grant **Institution:** Rush University Medical Center **City/State:** Chicago, IL **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

Majtan, Tomas MSc, PharmD

Program Type: Scientist Development Grant **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Toward targeted pharmacological chaperone therapy for CBS-deficient homocystinuria **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Mamenko, Mykola PhD

Program Type: Scientist Development Grant **Institution:** Augusta University **City/State:** Augusta, GA **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

Marsboom, Glenn PhD, MS

Program Type: Scientist Development Grant **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **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

Marsillach, Judit BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Washington, Seattle **City/State:** Seattle, WA **Project Title:** Characterization of PON1 as an early biomarker of CVD susceptibility **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Martinez, Eliana MD, PhD

Program Type: Scientist Development Grant **Institution:** University of Miami, Miami **City/State:** Coral Gables, FL **Project Title:** Role of Muscle A-Kinase Anchoring Protein Beta-RSK3 Complexes in Post-Ischemic Cardiac Remodeling **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Mathew, Sijo PhD

Program Type: Scientist Development Grant **Institution:** Vanderbilt University Medical Center **City/State:** Nashville, TN **Project Title:** Mechanisms whereby integrin beta1 regulate acute kidney injury and recovery **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

McCain, Megan BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Southern California **City/State:** Los Angeles, CA **Project Title:** Identifying Biomechanical Mechanisms of Dystrophic Cardiomyopathy in Engineered Human Stem Cell-Derived Cardiac Tissues **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Mcnally, Joseph MD PhD

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

Mcneill, Elizabeth PhD, BS

Program Type: Scientist Development Grant **Institution:** Iowa State University **City/State:** Ames, IA **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

Meadows, Stryder PhD, BS

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **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

Meng, Shu PhD, MS

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

Menon, Madhav MBBS, MD

Program Type: Scientist Development Grant **Institution:** Icahn School of Medicine at Mount Sinai
City/State: New York, NY **Project Title:** Role of Shroom3 in native and allograft kidney fibrosis **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Miao, Yinglong PhD

Program Type: Scientist Development Grant **Institution:** University of Kansas, Lawrence **City/State:** Lawrence, KS **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

Modis, Katalin PharmD, PhD

Program Type: Scientist Development Grant **Institution:** The University of Texas Medical Branch
City/State: Galveston, TX **Project Title:** Regulation of angiogenesis by the 3-mercaptopyruvate sulfurtransferase / hydrogen sulfide axis **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$229,345

Mohsin, Sadia PhD

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA
Project Title: Unique Features of Cortical Bone Stem Cells Associated with Enhanced Cardiac Repair **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Muia, Joshua BSC, PhD

Program Type: Scientist Development Grant **Institution:** Washington University, School of Medicine
City/State: Saint Louis, MO **Project Title:** Regulation of VWF Cleavage by the Antithrombotic Protease ADAMTS13 **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Muradashvili, Nino MD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY
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

Musselman, Laura BS, PhD

Program Type: Scientist Development Grant **Institution:** SUNY, Binghamton **City/State:** Binghamton, NY
Project Title: Identification of Lipotoxins Affecting Cardiac Physiology in the Face of Caloric Overload
Award Start Date: 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$218,486

Nakamura, Michinari MD

Program Type: Scientist Development Grant **Institution:** Rutgers, The State University of New Jersey, RBHS **City/State:** New Brunswick, NJ **Project Title:** The Role of Bcl-x Short Isoform in Heart Failure **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Namba, Kazutaka MD

Program Type: Scientist Development Grant **Institution:** University of Michigan **City/State:** Ann Arbor, MI **Project Title:** Genetic Causes of Primary Aldosteronism in African Americans **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Nelson, Michael PhD, MSc

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

Nystoriak, Matthew BA, PhD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY
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

Oconnor, Christine PhD

Program Type: Scientist Development Grant **Institution:** Cleveland Clinic Foundation **City/State:** Cleveland, OH **Project Title:** The Role of Human Cytomegalovirus US28 in the Acceleration of Atherosclerosis **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Odegaard, Andrew PhD, MPH

Program Type: Scientist Development Grant **Institution:** University of California, Irvine **City/State:** Irvine, CA **Project Title:** Diet Beverage Intake and Micro and Macrovascular Outcomes in Persons with Diabetes **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$230,246

Oikonomopoulos, Angelos PhD

Program Type: Scientist Development Grant **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Deciphering Genotype-Phenotype Association in Hypertrophic Cardiomyopathy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

O'Meara, Caitlin PhD

Program Type: Scientist Development Grant **Institution:** Medical College of Wisconsin **City/State:** Milwaukee, WI **Project Title:** The Role of IL13 in Guiding Cardiomyocyte Cell Cycle and Heart Regeneration **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Osei Owusu, Patrick BS, PhD

Program Type: Scientist Development Grant **Institution:** Drexel University **City/State:** Philadelphia, PA **Project Title:** Myogenic Tone Regulation by RGS2 **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Otto, Marcia PhD, MS

Program Type: Scientist Development Grant **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** Everything in moderation? Dietary diversity, diet quality and cardiovascular health **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$230,877

O-Uchi, Jin MD, PhD

Program Type: Scientist Development Grant **Institution:** Rhode Island Hospital **City/State:** Providence, RI **Project Title:** Role of mitochondrial RyR1 in cardiac arrhythmia and sudden cardiac death **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Pabla, Navjotsingh PhD

Program Type: Scientist Development Grant **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** Targeting the CDK4/6-RB pathway in acute kidney injury **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Packard, Rene MD

Program Type: Scientist Development Grant **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Single plane illumination microscopy and ultrasonic transducers to characterize doxorubicin cardiac injury and repair **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Palygin, Oleg BS, MS

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

Pandey, Deepesh BA, PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Papangeli, Irinna BS, MSc

Program Type: Scientist Development Grant **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Molecular Mechanisms of Neonatal Pulmonary Hemorrhage **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$230,408

Parajuli, Nirmala DVM, MSc

Program Type: Scientist Development Grant **Institution:** University of Arkansas for Medical Sciences, Little Rock **City/State:** Little Rock, AR **Project Title:** Ubiquitin Proteasome System, Mitochondria, and Renal Cold Storage **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Park, Eon Joo BS, MS

Program Type: Scientist Development Grant **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** The role of NgBR as a nexus between cholesterol trafficking and dolichol biosynthesis in endothelial cells **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Parvatiyar, Michelle BA, PhD

Program Type: Scientist Development Grant **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Exploring muscle cell adhesion as a therapeutic strategy in the heart **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Pereira Alambert, Renata BS, MS

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City/State:** Iowa City, IA **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

Perez-Medina, Carlos PhD

Program Type: Scientist Development Grant **Institution:** Icahn School of Medicine at Mount Sinai
City/State: New York, NY **Project Title:** "Atherosclerosis phenotyping and targeted treatment by nanoreporter PET imaging" **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3
Total Award Amount: \$231,000

Perez-Pinera, Pablo MD PhD

Program Type: Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana
City/State: Urbana, IL **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

Perundurair, Dhandapany BSc, MSc

Program Type: Scientist Development Grant **Institution:** Oregon Health & Science University, Portland
City/State: Portland, OR **Project Title:** Targeting the RAS-MAPK pathway using polypharmacological approach for pediatric cardiomyopathy **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$307,996

Pomerantz, William BS, PhD

Program Type: Scientist Development Grant **Institution:** University of Minnesota, Minneapolis
City/State: Minneapolis, MN **Project Title:** Epigenetic Roles of Bromodomains in Heart Disease **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Pour Shahid Saeed Ab, Parisa PhD

Program Type: Scientist Development Grant **Institution:** Michigan Technological University, Houghton
City/State: Houghton, MI **Project Title:** 3D printed nano-bioactuators and their application in navigation of endovascular catheters **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Pushpakumar, Sathnur PhD, MD

Program Type: Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY
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

Qin, Xulei BSE, PhD

Program Type: Scientist Development Grant **Institution:** Stanford University, Stanford **City/State:** Stanford, CA
Project Title: Noninvasive Measurement of Myocardial Properties for Early Detection of HFpEF **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Qiu, Hong PhD

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

Quader, Mohammed MD

Program Type: Scientist Development Grant **Institution:** Virginia Commonwealth University, Richmond **City/State:** Richmond, VA **Project Title:** Targeting the Inflammasome to Reduce Warm Ischemic Injury in Donation after Cardiac Death **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Rajendran Taub, Pam MD

Program Type: Scientist Development Grant **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Effects of epicatechin on patients with statin-induced mitochondrial dysfunction and impaired exercise capacity **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Reese, Tiffany PhD, BS

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

Ren, Xuefang MBBS, MD

Program Type: Scientist Development Grant **Institution:** West Virginia University, Morgantown **City/State:** Morgantown, WV **Project Title:** MiR-34a and Mitochondria in Blood-Brain Barrier and Stroke **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Richardson, Will BS, PhD

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

Robinet, Peggy PhD

Program Type: Scientist Development Grant **Institution:** Cleveland Clinic Foundation **City/State:** Cleveland, OH **Project Title:** Regulation of autolysosome formation in foam cells **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Robson, Shannon PhD, MPH

Program Type: Scientist Development Grant **Institution:** University of Delaware **City/State:** Newark, DE
Project Title: Implementing a Dietary Energy Density Intervention in Preschool Children **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Rodgers, Krista PhD

Program Type: Scientist Development Grant **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Neurogenesis in the Pediatric Brain: a Possible Therapeutic Target for Regeneration and Repair **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Roh, Jinsook PhD

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

Rotllan, Noemi PhD

Program Type: Scientist Development Grant **Institution:** Yale University **City/State:** New Haven, CT
Project Title: Functional and physiological role of ANGPTL4 during atherosclerosis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Rottiers, Veerle BS, MS

Program Type: Scientist Development Grant **Institution:** Cornell University, Ithaca **City/State:** Ithaca, NY
Project Title: Functional analysis of conserved lipid homeostasis genes. **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Rutkai, Ibolya MSc, PhD

Program Type: Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **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

Ryu, Jae Kyu PhD

Program Type: Scientist Development Grant **Institution:** Gladstone Institute, San Francisco **City/State:** San Francisco, CA **Project Title:** Mechanisms and therapeutic strategies for white-matter injury in ischemic stroke **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Sands, Scott BS, PhD

Program Type: Scientist Development Grant **Institution:** Brigham & Women's Hospital **City/State:** Boston, MA **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

Saraswati, Sarika PhD

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

Sassi, Yassine PhD

Program Type: Scientist Development Grant **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **Project Title:** The role of extracellular cAMP in the pathogenesis of pulmonary arterial hypertension **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Sato, Priscila PhD

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** Novel roles for GRK2 in modulating metabolic signaling. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Schar, Michael PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Schnell, Susanne MSc, PhD

Program Type: Scientist Development Grant **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **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

Schumacher, Jennifer BS, PhD

Program Type: Scientist Development Grant **Institution:** Cincinnati Children's Hospital Medical Center **City/State:** Cincinnati, OH **Project Title:** The Role of Fibronectin/Integrin and BMP Signaling in Endocardial Morphogenesis and Differentiation **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Sergi, Fabrizio PhD

Program Type: Scientist Development Grant **Institution:** University of Delaware **City/State:** Newark, DE
Project Title: Toward dynamic robot-aided neurorehabilitation: the predictive value of neuroimaging-based biomarkers of motor recovery **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Shah, Palak BS, MD

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

Shaltout, Hossam PhD, RPh

Program Type: Scientist Development Grant **Institution:** Wake Forest University Health Sciences
City/State: Winston Salem, NC **Project Title:** Comprehensive Assessment of Vascular and Autonomic Function in Children with Low Vitamin D **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019
Total Years: 4 **Total Award Amount:** \$301,912

Shelton, Elaine PhD

Program Type: Scientist Development Grant **Institution:** Vanderbilt University **City/State:** Nashville, TN
Project Title: The role of KATP channels in models of PDA and Cantu Syndrome **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Shi, Yejie MD, PhD

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA
Project Title: Altering microglial signaling to enhance stroke recovery **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Shih, Yen-Yu PhD, BS

Program Type: Scientist Development Grant **Institution:** University of North Carolina, Chapel Hill
City/State: Chapel Hill, NC **Project Title:** Dynamic MRI of tPA-induced peri-infract spreading depolarizations: outcome correlates and potential therapy **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Shilagardi, Khurts PhD

Program Type: Scientist Development Grant **Institution:** Johns Hopkins University **City/State:** Baltimore, MD
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

Singh, Ravi PhD

Program Type: Scientist Development Grant **Institution:** Baylor College of Medicine, Houston
City/State: Houston, TX **Project Title:** The role of Rbfox2-regulated splicing of Mef2d and Taf12 in postnatal heart function **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Sjogren, Benita MSc, PhD

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

Smith, Brian BS, PhD

Program Type: Scientist Development Grant **Institution:** Medical College of Wisconsin **City/State:** Milwaukee, WI **Project Title:** Direct and Epigenetic Control of Metabolism through Protein S-nitrosation **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Song, Jonathan PhD, MS

Program Type: Scientist Development Grant **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** Microfluidic Tissue Analogue for Blood and Lymphatic Vessel Network Formation **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Song, Kai BS, PhD

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City/State:** Boston, MA **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

Stewart, Jill BS, MPT

Program Type: Scientist Development Grant **Institution:** University of South Carolina, Columbia **City/State:** Columbia, SC **Project Title:** Targeted engagement of the motor action selection network during arm rehabilitation after stroke **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Stillitano, Francesca BS, PhD

Program Type: Scientist Development Grant **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **Project Title:** Development of human cell-based screening assays to detect subject-specific drug-response variability **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Sukumar, Deeptha PhD

Program Type: Scientist Development Grant **Institution:** Drexel University **City/State:** Philadelphia, PA
Project Title: Parathyroid Hormone and Cardiometabolic Outcomes in Obesity: Role of Magnesium and Vitamin D Supplementation **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4
Total Award Amount: \$308,000

Suleiman, Hani PhD, MD

Program Type: Scientist Development Grant **Institution:** Washington University, School of Medicine
City/State: Saint Louis, MO **Project Title:** Super-resolution Imaging of the Contractile Apparatus of the Kidney Podocytes. **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Sun, Xinghui

Program Type: Scientist Development Grant **Institution:** University of Nebraska, Lincoln **City/State:** Lincoln, NE **Project Title:** Role of microRNA-181b in diabetic vascular injury and repair **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Sun, Yu-Yo PhD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **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

Suresh, Nina PhD

Program Type: Scientist Development Grant **Institution:** Rehabilitation Institute of Chicago **City/State:** Chicago, IL **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

Syeda, Ruhma DPhil

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

Tabit, Corey BS, BA

Program Type: Scientist Development Grant **Institution:** University of Chicago **City/State:** Chicago, IL **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

Takemiya, Kiyoko PhD, MD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **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

Tan, Alex MD

Program Type: Scientist Development Grant **Institution:** VA Medical Center, McGuire Research Institute **City/State:** Richmond, VA **Project Title:** Autonomic Mechanisms of Premature Ventricular Contraction-induced Cardiomyopathy **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$229,996

Tan, Can Ozan PhD

Program Type: Scientist Development Grant **Institution:** Spaulding Rehabilitation Hospital, Boston **City/State:** Boston, MA **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

Tanner, Bert PhD, BS

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

Tao, Ge BS, PhD

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

Tavori, Hagai BSc, MSc

Program Type: Scientist Development Grant **Institution:** Oregon Health & Science University, Portland **City/State:** Portland, OR **Project Title:** Macrophage apoAI and Atherosclerosis Regression **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$307,804

Tawfik, Amany MD, MSc

Program Type: Scientist Development Grant **Institution:** Augusta University **City/State:** Augusta, GA **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

Tesini Roseguini, Bruno PT, MSc

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

Turcatel, Gianluca PhD, MS

Program Type: Scientist Development Grant **Institution:** Children's Hospital Los Angeles **City/State:** Los Angeles, CA **Project Title:** Tgf-beta signaling pathway induces gender specific phenotype in embryonic murine lung **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Uppuluri, Priya PhD

Program Type: Scientist Development Grant **Institution:** Los Angeles Biomedical Research Institute, Harbor-UCLA Medical Center **City/State:** Torrance, CA **Project Title:** High Content Screening for Small Molecule Inhibitors of Candida albicans Biofilm Dispersion **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Usselman, Robert BA, PhD

Program Type: Scientist Development Grant **Institution:** Montana State University, Bozeman **City/State:** Bozeman, MT **Project Title:** Biophysical Mechanisms of Reactive Oxygen Species Bifurcation in Flavoenzymes **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Valdez-Jasso, Daniela BS, MS

Program Type: Scientist Development Grant **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Ventriculo-vascular coupling in PAH ' Significance of large-vessel remodeling on cardiac and pulmonary vascular function **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$228,323

Vasquez, Valeria BS, PhD

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

Veeranki, Sudhakar PhD, DVM

Program Type: Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY **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

Veeraraghavan, Rengasayee BS, PhD

Program Type: Scientist Development Grant **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** Modulation of cardiomyocyte ultrastructure by vascular barrier function - a novel mechanism for atrial arrhythmias **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Venditto, Vincent PhD

Program Type: Scientist Development Grant **Institution:** University of Kentucky, Lexington **City/State:** Lexington, KY **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

Venna, Venugopal Reddy PhD

Program Type: Scientist Development Grant **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** Role of MIF in depression and post-stroke recovery **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Vest, Amanda BSC, MBBS

Program Type: Scientist Development Grant **Institution:** Tufts Medical Center **City/State:** Boston, MA **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

Vincentz, Joshua PhD

Program Type: Scientist Development Grant **Institution:** Indiana University, Indianapolis **City/State:** Indianapolis, IN **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

Wang, Jinhu BS, PhD

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **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

Watanabe, Shinya PhD

Program Type: Scientist Development Grant **Institution:** University of Massachusetts Medical School **City/State:** Worcester, MA **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

Weil, Brian PhD, MS

Program Type: Scientist Development Grant **Institution:** Research Foundation of SUNY **City/State:** Amherst, NY **Project Title:** Pathophysiology of Myocardial Remodeling in Heart Failure With Preserved Ejection Fraction **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Weiner, Rory MD

Program Type: Scientist Development Grant **Institution:** Massachusetts General Hospital **City/State:** Boston, MA **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

Wenner, Megan MS, PhD

Program Type: Scientist Development Grant **Institution:** University of Delaware **City/State:** Newark, DE **Project Title:** Mechanisms contributing to vascular dysfunction in women: role of estradiol **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Wessel, Jennifer PhD, MPH

Program Type: Scientist Development Grant **Institution:** Indiana University, Indianapolis **City/State:** Indianapolis, IN **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

Williams, Clintoria PhD, BS

Program Type: Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **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

Wood, Susan PhD, BS

Program Type: Scientist Development Grant **Institution:** University of South Carolina, Columbia **City/State:** Columbia, SC **Project Title:** Cytokines in monoaminergic nuclei regulating susceptibility to a depressive- and cardiovascular disease-like phenotype **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Wu, Hao PhD

Program Type: Scientist Development Grant **Institution:** Boston Children's Hospital **City/State:** Boston, MA **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

Xiao, Liang MD, PhD

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

Xing, Changhong BS, MS

Program Type: Scientist Development Grant **Institution:** Massachusetts General Hospital **City/State:** Boston, MA **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

Xu, Xin PhD

Program Type: Scientist Development Grant **Institution:** University of Alabama at Birmingham
City/State: Birmingham, AL **Project Title:** A Novel Mechanism of Pulmonary Hypertension Induced by the Matrikine Acetylated Proline-Glycine-Proline (Ac-PGP) **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Yan, Lirong PhD

Program Type: Scientist Development Grant **Institution:** University of Southern California **City/State:** Los Angeles, CA **Project Title:** Characterization of collateral flow and hemodynamics in intracranial atherosclerosis using arterial spin labeling MRI **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Yang, Ling PhD

Program Type: Scientist Development Grant **Institution:** University of Iowa, Iowa City **City/State:** Iowa City, IA **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

Yang, Xiaoyan PhD, MD

Program Type: Scientist Development Grant **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **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

Yao, Yao BS, MS

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

Yazdani, Saami PhD

Program Type: Scientist Development Grant **Institution:** University of South Alabama, Mobile
City/State: Mobile, AL **Project Title:** A Novel Drug Delivery System to Treat Peripheral Arterial Disease
Award Start Date: 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$306,599

Yoshida, Tadashi BS, MS

Program Type: Scientist Development Grant **Institution:** University of Missouri, Columbia **City/State:** Columbia, MO **Project Title:** Renin-angiotensin system-mediated regulation of skeletal muscle regeneration in chronic diseases **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Yu, Bing MB, MS

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

Yu, Wendou PhD

Program Type: Scientist Development Grant **Institution:** University of Miami, Miami **City/State:** Coral Gables, FL **Project Title:** Role of MEF2D in Neuroprotection Following Stroke **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Yuan, Ke PhD, BS

Program Type: Scientist Development Grant **Institution:** Stanford University School of Medicine, Palo Alto **City/State:** Palo Alto, CA **Project Title:** Role of Wnt/ β -catenin signaling in the pathobiology of Pulmonary Arterial Hypertension **Award Start Date:** 7/1/2015 **Award End Date:** 9/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Yuan, Peng BS, PhD

Program Type: Scientist Development Grant **Institution:** Washington University **City/State:** Saint Louis, MO **Project Title:** Structure, Function and Pharmacology of a Cardiovascular TRP Channel **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Zahid, Maliha MBBS, PhD

Program Type: Scientist Development Grant **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** Targeting the Heart Utilizing a Novel Cell Penetrating Peptide **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Zhang, Xiaoying PhD

Program Type: Scientist Development Grant **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** Protein kinase A, protein synthesis and cardiac hypertrophy **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Zhang, Yi PhD

Program Type: Scientist Development Grant **Institution:** Henry Ford Health System **City/State:** Detroit, MI **Project Title:** Exosomes derived from mesenchymal stromal cells promote axonal growth after stroke **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Zhu, Wuqiang

Program Type: Scientist Development Grant **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Enhancing post-infarction myogenesis via transplantation of cyclin D2 expressing iPSC-derived cardiomyocytes **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Zhu, Xuewei MBBS, MS

Program Type: Scientist Development Grant **Institution:** Wake Forest University Health Sciences **City/State:** Winston Salem, NC **Project Title:** Dietary PUFAs, NLRP3 Inflammasome and Atherosclerosis **Award Start Date:** 1/1/2015 **Award End Date:** 12/31/2018 **Total Years:** 4 **Total Award Amount:** \$308,000

Ziaieian, Boback PhD, MD

Program Type: Scientist Development Grant **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** National Surveillance of Stroke Clinical Characteristics, Quality of Care, and Outcomes using the GWTG-Stroke Registry **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

Zimmer, Sara BS, BS

Program Type: Scientist Development Grant **Institution:** University of Minnesota, Minneapolis **City/State:** Minneapolis, MN **Project Title:** Life stage specific regulation of mitochondrial gene expression in Trypanosoma cruzi **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

Zinselmeyer, Bernd H. PhD

Program Type: Scientist Development Grant **Institution:** Washington University **City/State:** Saint Louis, MO **Project Title:** EVALUATE RESIDENT INTIMAL MACROPHAGE FUNCTION AND SPATIAL-DYNAMICS IN ATHEROSCLEROTIC PLAQUE **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

Zoldan, Janet PhD

Program Type: Scientist Development Grant **Institution:** The University of Texas at Austin **City/State:** Austin, TX **Project Title:** Ischemia Therapy via Temporally Controlled Differentiation of Induced Pluripotent Stem Cells into Vascular Networks **Award Start Date:** 7/1/2015 **Award End Date:** 6/30/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

Zuloaga, Kristen BA, PhD

Program Type: Scientist Development Grant **Institution:** Albany Medical College **City/State:** Albany, NY

Project Title: ROLE OF AROMATASE IN VASCULAR COGNITIVE IMPAIRMENT IN PREDIABETIC MICE **Award**

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