

American Heart Association Awardees by Program Type

Last Update: August 2018

Career Development Award

Agrawal, Shipra PhD

Program Type: Career Development Award **Institution:** Nationwide Children's Hospital **City/State:** Columbus, OH **Project Title:** Improving Kidney Disease by Targeting Podocyte PPAR gamma **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Allegretti, Andrew MD

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

Antar, Alli PhD

Program Type: Career Development Award **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** Dissecting the Role of ChREBP in Brown Adipose Tissue **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Arora, Pankaj MBBS

Program Type: Career Development Award **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Racial Differences in the Natriuretic Peptide Response to Exercise and Beta-blockers **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Asnani, Aarti BA, MD

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

Auerbach, David PhD

Program Type: Career Development Award **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **Project Title:** Mechanisms for Arrhythmias and Seizures in Long QT Syndrome **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Avazmohammadi, Reza PhD

Program Type: Career Development Award **Institution:** The University of Texas at Austin **City/State:** Austin, TX **Project Title:** The effect of systemic hypertension on prognosis of myocardial infarction: Understanding, prediction & therapy evaluation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Bae, Yongho BS, MS

Program Type: Career Development Award **Institution:** Research Foundation of SUNY **City/State:** Amherst, NY **Project Title:** Mechanotransduction in Vascular Smooth Muscle: Survivin as a Mediator of Stiffness-Induced Responses **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Bagher, Pooneh PhD

Program Type: Career Development Award **Institution:** Texas A&M University Health Science Center **City/State:** College Station, TX **Project Title:** Examination of hemoglobin alpha in the endothelium in diabetes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Bahouth, Mona MSN, MD

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

Bahr Hosseini, Mersedeh MD

Program Type: Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Developing transcranial direct current stimulation as a novel neuroprotective method in acute ischemic stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Baker, Mariah PhD

Program Type: Career Development Award **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** Structural Basis for Phospho-Regulation of IP3R channel **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Baldassarre, Lauren BA, MS

Program Type: Career Development Award **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Advanced Cardiovascular Magnetic Resonance for Detection of Programmed Cell Death Protein-1 Deficient Myocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Bark, David PhD, MS

Program Type: Career Development Award **Institution:** Colorado State University, Fort Collins
City/State: Fort Collins, CO **Project Title:** Biomechanical Thromboinflammatory Microvascular
Obstruction in Reperfusion Injury **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:**
3 **Total Award Amount:** \$231,000

Barrett, Tessa BSC, PhD

Program Type: Career Development Award **Institution:** NYU Medical Center **City/State:** New York, NY
Project Title: Platelet-regulated pathways linked to plaque inflammation and elevated atherosclerotic
disease risk **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award**
Amount: \$231,000

Baskin, Kedryn BA, PhD

Program Type: Career Development Award **Institution:** The Ohio State University **City/State:** Columbus,
OH **Project Title:** A Novel Cardiomyokine Regulates Inter-organ Communication and Metabolism **Award**
Start Date: 7/1/2018 **Award End Date:** 8/31/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Bastounis, Effie BS, MS

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

Basu, Madhumita PhD

Program Type: Career Development Award **Institution:** Nationwide Children's Hospital **City/State:**
Columbus, OH **Project Title:** Mechanisms of maternal hyperglycemia induced risk of congenital heart
disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:**
\$231,000

Bloomekatz, Joshua PhD, BS

Program Type: Career Development Award **Institution:** University of Mississippi, University **City/State:**
University, MS **Project Title:** Investigating the molecular basis of the endoderm's regulation of heart
tube assembly **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award**
Amount: \$231,000

Cao, Jingli PhD

Program Type: Career Development Award **Institution:** Weill Medical College of Cornell University
City/State: New York, NY **Project Title:** Dissecting the mechanisms of epicardium-guided heart
regeneration **Award Start Date:** 7/1/2018 **Award End Date:** 9/30/2021 **Total Years:** 3 **Total Award**
Amount: \$231,000

Chaix, Amandine PhD

Program Type: Career Development Award **Institution:** The Salk Institute for Biological Studies
City/State: La Jolla, CA **Project Title:** Benefits and mechanisms of time-restricted feeding as an intervention against atherosclerosis and cardiovascular disease **Award Start Date:** 7/1/2018 **Award End Date:** 7/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Chan, Angel BS, MD, PhD

Program Type: Career Development Award **Institution:** Memorial Sloan Kettering Cancer Center
City/State: New York, NY **Project Title:** Mechanisms of trastuzumab-induced cardiotoxicity in patient specific iPSC-derived cardiomyocytes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Chang, Alex PhD

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** ACCELERATED AGING IN DUCHENNE CARDIOMYOPATHY **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Chen, Ian BS, MSE

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Human iPSC-based Modeling of Endothelial Progenitor Cell Maladaptation in Calcific Aortic Valve Disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Chen, Meifan BS, PhD

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

Chen, Tianji PhD

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

Cook, Marc PhD

Program Type: Career Development Award **Institution:** North Carolina A&T State University, Greensboro **City/State:** Greensboro, NC **Project Title:** Effect of Exercise Training on Gut Dysbiosis and Hypertension in African Americans **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Corti, Paola PhD

Program Type: Career Development Award **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** Cytoglobin 2 signals in primary cilia and contributes to normal cardiac development. **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Crescenzi, Rachele PhD, BS

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

Cunningham, Mark PhD, BS

Program Type: Career Development Award **Institution:** University of Mississippi Medical Center **City/State:** Jackson, MS **Project Title:** nflammation and Oxidative Stress in the Heart and Brain during Pregnancy and Postpartum Rats with Placental Ischemia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

de Almeida, Lucia PhD, MS

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

de Couto, Geoffrey BSC, PhD

Program Type: Career Development Award **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Macrophages as effectors of cell therapy for heart failure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

de Vries, Paul BSC, MSc

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

Deberge, Matthew BSC, PhD

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

Ding, Yichen BS, PhD

Program Type: Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Integrating light-sheet imaging and computation to quantify doxorubicin-induced Notch signaling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Fan, Zhichao BS, PhD

Program Type: Career Development Award **Institution:** La Jolla Institute for Allergy and Immunology **City/State:** San Diego, CA **Project Title:** Impact of beta2 integrin auto-inhibition on neutrophil arrest and inflammation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Forsha, Daniel BA, MD

Program Type: Career Development Award **Institution:** Children's Mercy Hospitals and Clinics **City/State:** Kansas City, MO **Project Title:** Cardiovascular Changes with Weight Loss in Obese Adolescents with Intellectual and Developmental Disabilities **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$230,570

Gaji, Rajshekhar PhD, DVM

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

Garikipati, Venkata PhD, MSc

Program Type: Career Development Award **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** Role of CircRNAs in Ischemic Tissue Repair and Regeneration **Award Start Date:** 7/1/2018 **Award End Date:** 7/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Garshick, Michael BA, MD

Program Type: Career Development Award **Institution:** NYU Medical Center **City/State:** New York, NY **Project Title:** The Evaluation of Endothelial and Platelet Dysfunction in Those with Psoriasis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Gohar, Eman PhD, MSc

Program Type: Career Development Award **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Sex-Differences in Renal Sodium Handling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Goss, Kara MD

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

Grimsrud, Paul PhD, BA

Program Type: Career Development Award **Institution:** Duke University Medical Center **City/State:** Durham, NC **Project Title:** A Systems Biology Approach for Exploring the Role of PDK4 in Mediating Mitochondrial Remodeling in the Heart **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Han, Lu PhD

Program Type: Career Development Award **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** LMNB2 determines heart muscle cell regeneration and protection through telomere-length homeostasis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Hedjazi Moghari, Mehdi BSc, MSc

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

Hsieh, Joanne BSc, PhD

Program Type: Career Development Award **Institution:** Columbia University, New York **City/State:** New York, NY **Project Title:** Regulation of Liver X Receptor by TTC39B **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Huang, Paul Li-Hao PhD

Program Type: Career Development Award **Institution:** Washington University, School of Medicine **City/State:** Saint Louis, MO **Project Title:** HDL TRAFFICKING IN PSORIASIS AND ITS LINK TO ATHEROSCLEROSIS **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Ibrahim, Ahmed PhD

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

Ilnytska, Olga MSc, PhD

Program Type: Career Development Award **Institution:** Rutgers, The State University of New Jersey
City/State: New Brunswick, NJ **Project Title:** Novel role of lysobisphosphatidic acid (LBPA) in intracellular cholesterol trafficking **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Jhun, Bong Sook PhD

Program Type: Career Development Award **Institution:** University of Minnesota, Minneapolis
City/State: Minneapolis, MN **Project Title:** Role of PKD in right ventricular dysfunction during pulmonary arterial hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Kanisicak, Onur PhD

Program Type: Career Development Award **Institution:** Cincinnati Children's Hospital Medical Center
City/State: Cincinnati, OH **Project Title:** Deactivating cardiac fibroblasts mediate reverse remodeling upon injury resolution **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Kassan, Modar PhD

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

Kim, Jun-Dae BS, MS

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

Kim, Paul BS, MD

Program Type: Career Development Award **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Evaluation of Myocardial Perfusion and Immune Cell Response in Allograft Dysfunction of Heart-Transplant Patients **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Kini, Vinay BS, MD

Program Type: Career Development Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Optimizing Quality in the Use of Noninvasive Cardiovascular Testing **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Knoepke, Christopher PhD, MSW

Program Type: Career Development Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Supporting Patients' Fateful Decisions About Cardiovascular Therapies: Improved Models of Personal Values Clarification **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$229,769

Kovacs, Laszlo MSc, PhD

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

Kumar, Sanjeev PhD, MD

Program Type: Career Development Award **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Role of Sox9-regulated Epithelial Plasticity in Renal Repair after Acute Kidney Injury **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Lagarrigue, Frederic BS, MSc

Program Type: Career Development Award **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Novel Regulatory Axes of Talin-Mediated Integrin Activation and Blood Cell Function **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Lane-Cordova, Abbi PhD

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

Lee, Ji Young MD, PhD

Program Type: Career Development Award **Institution:** University of South Alabama, Mobile **City/State:** Mobile, AL **Project Title:** Carbonic anhydrase IX and pulmonary endothelial cell acidosis during infection **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Lee, Juhyun PhD, MS

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

Levitt, Michael BA, MD

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

Li, Jing PhD

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

Li, Xiaowei PhD

Program Type: Career Development Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** Promoting Organization and Integration of Transplanted Stem cells for Brain Tissue Regeneration after Stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Liang, Jialiang PhD

Program Type: Career Development Award **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **Project Title:** Conversion of fibroblasts into cardiovascular progenitors using CRISPR technology for heart regeneration **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Liu, Jianmin BS, MS

Program Type: Career Development Award **Institution:** Cleveland Clinic Foundation **City/State:** Cleveland, OH **Project Title:** Mechanistic investigation of kindlin-dependent integrin activation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Liu, Qing PhD, MS

Program Type: Career Development Award **Institution:** Stanford University School of Medicine, Palo Alto **City/State:** Palo Alto, CA **Project Title:** Drug-induced alterations in metabolic remodeling and transcriptional regulation during cardiomyocyte differentiation **Award Start Date:** 7/1/2018 **Award End Date:** 8/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Liu, Xiaolei PhD, MS

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

Lochhead, Jeffrey PhD

Program Type: Career Development Award **Institution:** University of Arizona, Tucson **City/State:** Tucson, AZ **Project Title:** Intranasal Insulin as a Neuroprotectant during Hypoxia/Reoxygenation Stress **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Mankowski, Robert PhD, MS

Program Type: Career Development Award **Institution:** University of Florida, Gainesville **City/State:** Gainesville, FL **Project Title:** Cardiac Dysfunction in Older Sepsis Survivors **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$224,023

Mansour, Sherry DO

Program Type: Career Development Award **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** The role of adaptive and maladaptive repair biomarkers in predicting cardiac and renal outcomes after an episode of AKI **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Merkler, Alexander BS, MD

Program Type: Career Development Award **Institution:** Weill Medical College of Cornell University **City/State:** New York, NY **Project Title:** Unrecognized Myocardial Infarction May Be A Novel Risk Factor For Ischemic Stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Moledina, Dennis MBBS

Program Type: Career Development Award **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** T-CELL INFLAMMATORY MEDIATORS AS BIOMARKERS FOR DRUG-INDUCED ACUTE TUBULO-INTERSTITIAL NEPHRITIS **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Okubo, Masashi MD

Program Type: Career Development Award **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** The features of high-performing emergency-medical-services agencies on out-of-hospital cardiac arrest **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Ormond, D Ryan MD

Program Type: Career Development Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** The role of mitochondrial transfer and mesenchymal stem cell transplantation in neuronal preservation after cardiac arre **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Osborne, Michael BSE, MD

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

Osborne, Nicholas MD, MS

Program Type: Career Development Award **Institution:** University of Michigan **City/State:** Ann Arbor, MI **Project Title:** Understanding Real-World Outcomes of Endovascular Treatment of Claudication **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Parikh, Rushi BA, MD

Program Type: Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Impact of Endothelin-1 on the Development of Cardiac Allograft Vasculopathy in Heart Transplant Recipients **Award Start Date:** 7/1/2018 **Award End Date:** 8/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Patterson, Michaela PhD, BS

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

Penumatsa, Krishna PhD, MS

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

Portz, Jennifer PhD, MSW

Program Type: Career Development Award **Institution:** Colorado State University, Fort Collins **City/State:** Fort Collins, CO **Project Title:** Cardiovascular Digital Health: The Social Convoy Heart Failure Symptom Tracker **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$226,756

Puckelwartz, Megan BS, PhD

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

Ranek, Mark BS, PhD

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

Rausch, Manuel PhD

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

Rodriguez Miguelez, Paula PhD, MS

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

Ryan, Terence BS, MS

Program Type: Career Development Award **Institution:** University of Florida, Gainesville **City/State:** Gainesville, FL **Project Title:** Role of PFKFB3 in peripheral artery disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Sanchez, Juan BS, PhD

Program Type: Career Development Award **Institution:** Cincinnati Children's Hospital Medical Center **City/State:** Cincinnati, OH **Project Title:** Developmental and molecular mechanisms of obesity. **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Schunke, Kathryn PhD

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

Seo, Kinya PhD, MS

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Hypocretin Receptor 2 - a Novel Mechanism Underlying Heart Failure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Shao, Bojing BS, MS

Program Type: Career Development Award **Institution:** Oklahoma Medical Research Foundation **City/State:** Oklahoma City, OK **Project Title:** Roles of Myeloid Cell Talin1 in Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Shao, Dan PhD

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

Shao, Ningyi MD, PhD

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Novel Computational Approaches to Elucidate Cardiomyocyte Differentiation Across Species **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$230,757

Sharma, Sudhish PhD

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

Shimada, Yuichi MD, MPH

Program Type: Career Development Award **Institution:** Columbia University, New York **City/State:** New York, NY **Project Title:** Bariatric Surgery and Acute Cardiovascular Events: Analysis of Two Complementary Databases **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Singhal, Neel MD, PhD

Program Type: Career Development Award **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Elucidating the role of respirasome plasticity in neuronal metabolism and resilience to ischemic injury **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Sirish, Padmini BS, MSc

Program Type: Career Development Award **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Development Of Novel Upstream Target For Atrial Fibrillation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Srikakulapu, Prasad PhD

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

Strom, Jordan BS, MD

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

Tattersall, Matthew DO

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

Tessier, Shannon PhD, MSc

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

Thankamani Pandit, Peeyush PhD

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

Thomas, Isac BA, MD

Program Type: Career Development Award **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Epidemiology of Calcified Atherosclerosis in the Segmented Thoracic Aorta **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Touma, Marlin MD, PhD

Program Type: Career Development Award **Institution:** UCLA David Geffen School of Medicine **City/State:** Los Angeles, CA **Project Title:** Novel Molecular Network In Perinatal Cardiac Chamber Development and Congenital Heart Defects **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Verma, Rajkumar BS, MS

Program Type: Career Development Award **Institution:** University of Connecticut, Farmington **City/State:** Farmington, CT **Project Title:** Therapeutic potential of purinergic P2X4 receptors in stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Vikram, Ajit BS, MS

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

Wahlquist, Christine BS, MS

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** microRNA Regulation of Dilated Cardiomyopathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$230,728

Wang, Lei PhD

Program Type: Career Development Award **Institution:** University of South Florida, Tampa **City/State:** Tampa, FL **Project Title:** Macula densa NOS1 beta and acute kidney injury **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Wang, Li PhD

Program Type: Career Development Award **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **Project Title:** Role of Autophagy and Beclin1 in Direct Cardiac Reprogramming **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Wang, Wenshan BS, PhD

Program Type: Career Development Award **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **Project Title:** Impact of ketone metabolism on beige fat development and cardiovascular disease risk. **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Wang, Yanhua PhD, MS

Program Type: Career Development Award **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** Role of a vasoactive hormone, adrenomedullin in mediating urine concentrating ability **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Wasfy, Jason MD, MS

Program Type: Career Development Award **Institution:** Massachusetts General Hospital **City/State:** Boston, MA **Project Title:** Effects of Medicaid Expansion on Process and Outcome Measures for Patients with Heart Disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Wei, Zheng PhD

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

Winter, Deborah PhD

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

Wirka, Robert BS, MD

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Mechanisms of TCF21 in coronary artery disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Wu, Yijen PhD

Program Type: Career Development Award **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** Multi-modal Imaging Investigation of Cardio-Neural Development in a Mouse Model with Hypoplastic Left Heart Syndrome **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Xu, Suowen BS, PhD

Program Type: Career Development Award **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **Project Title:** Role of coronary artery disease risk gene JCAD in endothelial function and atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Yeh, Yi-Ting BS, MS

Program Type: Career Development Award **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Biomechanics of Leukocyte Extravasation in Atherosclerosis Microenvironments: Role of Heterogeneous Matrix Stiffness **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Zhang, Lianghui PhD

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

Zhang, Wei BS, PhD

Program Type: Career Development Award **Institution:** Albany Medical Center **City/State:** Albany, NY
Project Title: A novel gene pair of IL-8 and its opposingly transcribed neighbor gene lncRNA KILN in vascular disease **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Zhao, Mingtao PhD, DVM

Program Type: Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** NOTCH Signaling in Human Vascular Development and CADASIL **Award Start Date:** 7/1/2018 **Award End Date:** 9/30/2021 **Total Years:** 3 **Total Award Amount:** \$231,000

Zhou, Hongyi PhD, MS

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