

American Heart Association Awardees by Program Type

Last Update: August 2018

Innovative Project Award

Allen, Ryan BS, MS

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

Amirthalingam Thandavarayan, Rajarajan PhD, MPH

Program Type: Innovative Project Award **Institution:** Houston Methodist Research Institute **City/State:** Houston, TX **Project Title:** Role of histone deacetylase in premature endothelial senescent cells **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Ardehali, Reza BS, PhD

Program Type: Innovative Project Award **Institution:** UCLA Department of Medicine **City/State:** Los Angeles, CA **Project Title:** The role of cardiac pericytes in myocardial fibrosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Awad, Louis PhD, PT

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

Bahouth, Mona MSN, MD

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

Berron, Bradley PhD, BS

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

Borengasser, Sarah PhD

Program Type: Innovative Project Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** EPIGENETIC AND MICROBIOME RESPONSES TO A WEIGHT LOSS INTERVENTION **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,451

Bruemmer, Dennis MD PhD

Program Type: Innovative Project Award **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** Mobile DNA in Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Cabernard, Clemens PhD

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

Chade, Alejandro MD

Program Type: Innovative Project Award **Institution:** University of Mississippi Medical Center **City/State:** Jackson, MS **Project Title:** Selective renal targeting to counteract inflammation in chronic kidney disease via kidney-specific delivery technology **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Chang, Jiang PhD, MD

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

Chen, Zhongming MS, PhD

Program Type: Innovative Project Award **Institution:** University of Minnesota, Minneapolis **City/State:** Minneapolis, MN **Project Title:** Recording cell migration history in mouse heart with a genetic tool **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Chien, Aichi PhD

Program Type: Innovative Project Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Software to assess cerebral angioarchitecture and identify characteristics associated with stroke and recovery **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Chin, Michael PhD, MD

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

Cokic, Ivan MD

Program Type: Innovative Project Award **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Use of Antiallergic Drugs for Prevention of Fat Deposition in Infarcted Myocardium **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Daley, James MD, BS

Program Type: Innovative Project Award **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** The use of REBOA as an adjunct to ACLS in non-traumatic cardiac arrest **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,998

Davidson, Jesse MD, MPH

Program Type: Innovative Project Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Pulmonary Vascular Growth in Infants with Single Ventricle Heart Disease: Deep Phenotyping and Biomarker Development **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Dayal, Sanjana PhD

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

Debold, Edward PhD, MS

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

Dong, Wenji MS, PhD

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

Fan, Yi PhD, MD

Program Type: Innovative Project Award **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **Project Title:** Endothelial transformation drives non-productive neovascularization after myocardial infarction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Feng, Ning MD PhD

Program Type: Innovative Project Award **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **Project Title:** The impact of TET proteins mediated active DNA demethylation on heart failure development **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Ferencik, Maros PhD, MD

Program Type: Innovative Project Award **Institution:** Oregon Health & Science University, Portland **City/State:** Portland, OR **Project Title:** Coronary plaque burden, metabolomics and lipidomics abnormalities in subjects with epigenetic regulatory gene mutations **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,904

Galindo, Cristi PhD

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

Gallicano, Ian BS, MS

Program Type: Innovative Project Award **Institution:** Georgetown University **City/State:** Washington, DC **Project Title:** Molecular correction of mis-expressed genes that lead to Heart Failure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Ghosh, Asish PhD

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

Gottlieb, Roberta MD

Program Type: Innovative Project Award **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Rapid intracellular delivery of Fv-Hsp72 for treatment of ER stress in heart failure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Goyal, Parag MD, MSc

Program Type: Innovative Project Award **Institution:** Weill Medical College of Cornell University
City/State: New York, NY **Project Title:** Safety of Neurohormonal Antagonist Initiation Among Older Adults Following a Heart Failure Hospitalization **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Grumbach, Isabella MD PhD

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

Hadri, Lahouaria PhD

Program Type: Innovative Project Award **Institution:** Icahn School of Medicine at Mount Sinai
City/State: New York, NY **Project Title:** Extracellular vesicles secreted by human Induced Pluripotent Stem Cells (iPSC)-derived Vascular Cells as Novel Biomarker **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Hahn, Jin-Oh PhD, MS

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

Halterman, Marc PhD, MD

Program Type: Innovative Project Award **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **Project Title:** GFP-tagging the ER-stress proteome to address bottlenecks in neurotherapeutics discovery **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Hibino, Narutoshi MD, PhD

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

Hirsch, Karen MD, BA

Program Type: Innovative Project Award **Institution:** Stanford University School of Medicine, Palo Alto
City/State: Palo Alto, CA **Project Title:** A systems-based mass cytometry approach to study the post-cardiac arrest immune response **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Karmouty-Quintana, Harry BSC, PhD

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

Kil, Kun-Eek PhD

Program Type: Innovative Project Award **Institution:** University of Missouri, Columbia **City/State:** Columbia, MO **Project Title:** Development of Small-molecule CXCR3 PET Radiotracers for Atherosclerosis Imaging in Live Animals **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Kotagiri, Nalinikanth MBBS, PhD

Program Type: Innovative Project Award **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **Project Title:** Accurate and early noninvasive imaging of bacterial endocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Lark, Daniel PhD, MSc

Program Type: Innovative Project Award **Institution:** Colorado State University, Fort Collins **City/State:** Fort Collins, CO **Project Title:** A Novel Strategy to Study Cell-Specific Exosomes Secreted In Vivo **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Levit, Rebecca MD

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

Lien, Ching-Ling PhD

Program Type: Innovative Project Award **Institution:** Children's Hospital Los Angeles **City/State:** Los Angeles, CA **Project Title:** Blood perfusion through cardiac lymphatic vessels as a novel paradigm for myocardium vascularization **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Liu, Xianshuang PhD, MS

Program Type: Innovative Project Award **Institution:** Henry Ford Health System **City/State:** Detroit, MI **Project Title:** The role of gut microbiota-derived exosomes in neurovascular unit after stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Liu, Yu MD, PhD

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

Mader, Timothy MD, NONE

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

Marsh, Elisabeth MD

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

Martic, Sanela PhD

Program Type: Innovative Project Award **Institution:** Oakland University **City/State:** Rochester, MI **Project Title:** Amyloid disease of the heart: mechanism and treatment **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$161,942

Martin, Cindy MD

Program Type: Innovative Project Award **Institution:** University of Minnesota, Minneapolis **City/State:** Minneapolis, MN **Project Title:** Systemic right ventricle molecular analysis and novel swine model development **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

May, Linda PhD, MS

Program Type: Innovative Project Award **Institution:** East Carolina University **City/State:** Greenville, NC **Project Title:** Influence of maternal exercise on Infant skeletal muscle and metabolomics **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Mcnamara, Coleen MD

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

Milan, David MSc, MD

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

Nam, Young-Jae MD, PhD

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

Nguyen, Patricia BS, MD

Program Type: Innovative Project Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Toward the Identification of Patient-Specific Antigens Causing Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Nuxoll, Eric PhD, BS

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

O'Neill, W Charles BS, MD

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

Park, Sang W PhD

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

Reinthal, M Ann PhD

Program Type: Innovative Project Award **Institution:** Cleveland State University **City/State:** Cleveland, OH **Project Title:** Balance training post stroke: Intense harnessed multidirectional gaming compared to reactive and conventional protocols **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$195,446

Rymer, William MD PhD

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

Sassi, Yassine PhD

Program Type: Innovative Project Award **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **Project Title:** Myocardial activities of extracellular vesicles-derived miRNAs from Bovine milk **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Schuster, Victor MD

Program Type: Innovative Project Award **Institution:** Albert Einstein College of Medicine **City/State:** Bronx, NY **Project Title:** Preventing ischemia-reperfusion injury by blocking the maxi-anion channel **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Shibao, Cyndya BS, MD

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

Thiel, William BS, PhD

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

Wang, Charles MD, MPH

Program Type: Innovative Project Award **Institution:** Loma Linda University **City/State:** Loma Linda, CA **Project Title:** A novel approach of generating and epigenomic characterization of cardiomyocytes from human peripheral blood cells **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Wang, David PhD

Program Type: Innovative Project Award **Institution:** Washington University **City/State:** Saint Louis, MO **Project Title:** The role of Astrovirus VA1 and other unrecognized viruses in idiopathic myocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000

Weiss, Robert MD

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

Zhang, Quanguang PhD

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

Zhang, Yiqiang BS, MSc

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