American Heart Association
Awardees by Program Type

Last Update: August 2019

Innovative Project Award

Aitor Aguirre, PhD
Program Type: Innovative Project Award Institution: Michigan State University
City/State: East Lansing, MI Project Title: An artificial biological pump for failing Fontan circulation Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: $199,837

Imad Al Ghouleh, BSC, BA, 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

Jason Allen, MD, PhD
Program Type: Innovative Project Award Institution: Emory University, Atlanta City/State: Atlanta, GA Project Title: A fluid dynamics mechanism for stroke in patients with carotid webs Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: $200,000

Ryan Allen, BS, MS, PhD
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

Rajarajan Amirthalingam Thandavarayan, 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

Reza Ardehali, BS, PhD, MD
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
Louis Awad, PhD, PT, BS
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

Mona Bahouth, 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

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

Bradley Berron, 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

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

Titus Boggon, PhD
Program Type: Innovative Project Award
Institution: Yale University
City/State: New Haven, CT
Project Title: Modulating RHO cascades for new cardiovascular therapeutics
Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: $200,000
Sarah Borengasser, 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

Clemens Cabernard, 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

Alan Cantor, MD PhD  
Program Type: Innovative Project Award  
Institution: Boston Children’s Hospital  
City/State: Boston, MA  
Project Title: 3D Chromatin Interaction Analysis to Accurately Map Cis-Regulatory Elements to Human Megakaryocyte/Platelet Genes  
Award Start Date: 7/1/2019  
Award End Date: 6/30/2021  
Total Years: 2  
Total Award Amount: $200,000

Alejandro Chade, 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

Jiang Chang, 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: 6/30/2020  
Award End Date: 6/30/2021  
Total Years: 2  
Total Award Amount: $200,000

Tara Chang, BA, MD, MS  
Program Type: Innovative Project Award  
Institution: Stanford University, Stanford  
City/State: Stanford, CA  
Project Title: CREATING A PLATFORM FOR POINT-OF-CARE PRAGMATIC CLINICAL TRIALS: COMPARING DIURETIC STRATEGIES IN HEART FAILURE  
Award Start Date: 7/1/2019  
Award End Date: 6/30/2021  
Total Years: 2  
Total Award Amount: $200,000
Baoyu Chen, BS, MS, PhD
Program Type: Innovative Project Award  Institution: Iowa State University  City/State: Ames, IA  Project Title: Exploring a Missing Mechanism that Links Redox Signaling to Actin Remodeling in Angiogenesis  Award Start Date: 7/1/2019  Award End Date: 6/30/2021  Total Years: 2  Total Award Amount: $200,000

Hueisheng Vincent Chen, MD, PhD
Program Type: Innovative Project Award  Institution: Indiana University, Indianapolis  City/State: Indianapolis, IN  Project Title: Studying pathogenesis of Brugada Syndrome using patient-specific induced pluripotent stem cells (iPSCs)  Award Start Date: 7/1/2019  Award End Date: 6/30/2021  Total Years: 2  Total Award Amount: $200,000

Zhongming Chen, 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

Aichi Chien, 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

Michael Chin, 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

Youngjae Chun, BS, MS, PhD
Program Type: Innovative Project Award  Institution: University of Pittsburgh  City/State: Pittsburgh, PA  Project Title: Imperceptible, Nanostructured Electronic Stent for Wireless Surveillance of Restenosis in Coronary Artery Disease  Award Start Date: 7/1/2019  Award End Date: 6/30/2021  Total Years: 2  Total Award Amount: $200,000
Ivan Cokic, 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

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

Andras Czirok, PhD  
**Program Type:** Innovative Project Award  
**Institution:** University of Kansas Medical Center  
**City/State:** Kansas City, KS  
**Project Title:** Medium throughput cardiotoxicity screening utilizing avian embryos, image processing and machine learning  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Guohao Dai, PhD  
**Program Type:** Innovative Project Award  
**Institution:** Northeastern University, Boston  
**City/State:** Boston, MA  
**Project Title:** Bioengineer autonomic neurovascular system to explore the innervation of vascular grafts  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

James Daley, MD, BS, MPH, MS  
**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

Saumya Das, BA, MD, PhD  
**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
Jesse Davidson, 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

Sanjana Dayal, 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

Edward Debold, PhD, MS, BSE
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

Amedee Des Georges, PhD, MS, BS
Program Type: Innovative Project Award
Institution: Research Foundation CUNY-Advanced Science Research Center
City/State: New York, NY
Project Title: Deciphering GPCR signaling by allosteric and biased ligands using cryo-EM
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $199,234

Wenji Dong, 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

Partha Dutta, PhD, MS, DVM
Program Type: Innovative Project Award
Institution: University of Pittsburgh
City/State: Pittsburgh, PA
Project Title: Hematopoietic stem and progenitor cell relocation and activation in the bone marrow after myocardial infarction
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000
Pirooz Eghtesady, PhD, MD  
**Program Type:** Innovative Project Award  
**Institution:** Washington University  
**City/State:** Saint Louis, MO  
**Project Title:** The Role of Maternal Virome in Development of Congenital Heart Diseases  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Daniel Ennis, PhD  
**Program Type:** Innovative Project Award  
**Institution:** Stanford University School of Medicine, Palo Alto  
**City/State:** Palo Alto, CA  
**Project Title:** The Cardiac Connectome for Understanding the Electromechanics of Heart Failure  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Yi Fan, 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

Ning Feng, 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

Maros Ferencik, 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

James Friend, PhD  
**Program Type:** Innovative Project Award  
**Institution:** University of California, San Diego  
**City/State:** La Jolla, CA  
**Project Title:** Fully steerable microcatheters for quantifiably effective treatment of strokes  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $199,812
Cristi Galindo, 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

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

Ian Gallicano, BS, MS, PhD  
**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

Asish Ghosh, 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

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

Roberta Gottlieb, 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
Parag Goyal, 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

Isabella Grumbach, 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

Lahouaria Hadri, 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

Jin-Oh Hahn, PhD, MS, BS
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

Marc Halterman, 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

Alyssa Hasty, PhD
Program Type: Innovative Project Award
Institution: Vanderbilt University
City/State: Nashville, TN
Project Title: Genetic Barcoding to Deconvolute T Cell Clonal Expansion in Obesity
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000
Narutoshi Hibino, 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

Karen Hirsch, 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

Elizabeth Hunt, BS, MD, MPH, PhD
**Program Type:** Innovative Project Award
**Institution:** Johns Hopkins University
**City/State:** Baltimore, MD
**Project Title:** Development of a Large Screen Integrated Data Display to Facilitate Pediatric Cardiac Arrest Management
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Kiho Im, PhD
**Program Type:** Innovative Project Award
**Institution:** Boston Children’s Hospital
**City/State:** Boston, MA
**Project Title:** Developing a Predictive Model of Fetal to Neonatal Brain Development in Congenital Heart Disease
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $194,896

Thomas Irving, BSC
**Program Type:** Innovative Project Award
**Institution:** Illinois Institute of Technology, Chicago
**City/State:** Chicago, IL
**Project Title:** Multiscale Modeling and X-ray Diffraction: A novel approach to understanding heart disease
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $198,426

Kai Jiao, MD, PhD
**Program Type:** Innovative Project Award
**Institution:** University of Alabama at Birmingham
**City/State:** Birmingham, AL
**Project Title:** Examine the impact of congenital heart diseases on Alzheimer’s disease.
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000
Ioannis Karakikes, PhD
Program Type: Innovative Project Award
Institution: Stanford University, Stanford
City/State: Stanford, CA
Project Title: Genetic Engineering to Protect Against Cardiovascular Disease
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Joern Karhausen, MD
Program Type: Innovative Project Award
Institution: Duke University Medical Center
City/State: Durham, NC
Project Title: Enhanced neutrophil SUMOylation as a key to anti-inflammatory effects of hypothermia.
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Harry Karmouty-Quintana, 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

Kun-Eek Kil, 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

Daniel Kim, PhD
Program Type: Innovative Project Award
Institution: Northwestern University, Chicago
City/State: Chicago, IL
Project Title: Wideband Cardiac MRI for Predicting Right Heart Failure after LVAD Implantation
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Nam Chul Kim, PhD
Program Type: Innovative Project Award
Institution: University of Minnesota, Minneapolis
City/State: Minneapolis, MN
Project Title: Liquid-liquid phase separation in mitochondria
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Nalinikanth Kotagiri, 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
Daniel Lark, PhD, MSc, BS  
**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

Rebecca Levit, 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

Xianshuang Liu, 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

Yu Liu, 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

Thomas Longden, BSC, PhD  
**Program Type:** Innovative Project Award  
**Institution:** University of Maryland, Baltimore  
**City/State:** Baltimore, MD  
**Project Title:** Blood Flow in Learning and Memory  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Timothy Mader, MD  
**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
Meena Madhur, PhD, MD  
Program Type: Innovative Project Award  
Institution: Vanderbilt University Medical Center  
City/State: Nashville, TN  
Project Title: Using CITE-Seq and Mendelian Randomization to Identify Novel Inflammatory Mediators of Heart Failure with Preserved Ejec  
Award Start Date: 7/1/2019  
Award End Date: 6/30/2021  
Total Years: 2  
Total Award Amount: $200,000

Keefe Manning, PhD, MS, BS  
Program Type: Innovative Project Award  
Institution: Pennsylvania State University, University Park  
City/State: University Park, PA  
Project Title: Programmable Drug-Releasing Surface for Anti-thrombosis  
Award Start Date: 7/1/2019  
Award End Date: 6/30/2021  
Total Years: 2  
Total Award Amount: $200,000

Elisabeth Marsh, 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

Cindy Martin, 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

Linda May, 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

Coleen Mcnamara, 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
Jacob Mcpherson, PhD
Program Type: Innovative Project Award
Institution: Florida International University, Miami
City/State: Miami, FL
Project Title: Restorative neuroplasticity in brainstem motor pathways to enhance rehabilitation post-stroke
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $199,998

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

Joshua Morgan, PhD
Program Type: Innovative Project Award
Institution: University of California, Riverside
City/State: Riverside, CA
Project Title: Integration of tardigrade survival proteins to increase resilience of vascularized graft tissue in ischemic environments
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Patrick Murphy, BA, PhD
Program Type: Innovative Project Award
Institution: University of Connecticut, Farmington
City/State: Farmington, CT
Project Title: Functional Assessment of Post-transcriptional Modulation of Endothelial Inflammation by RNA binding Proteins.
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Young-Jae Nam, 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

Claudia Nau, MA, PhD
Program Type: Innovative Project Award
Institution: Kaiser Foundation Hospitals
City/State: Oakland, CA
Project Title: Electronic Health Records for assessing real-time changes in local CVD risk-factor prevalence
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000
Surya Nauli, PhD, BS  
**Program Type:** Innovative Project Award  
**Institution:** Chapman University  
**City/State:** Orange, CA  
**Project Title:** Aneurysm and Nanoparticles  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Patricia Nguyen, 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

Eric Nuxoll, PhD, BS, 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

W Charles Oneill, 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

Albert Owens, PhD, BS  
**Program Type:** Innovative Project Award  
**Institution:** University of Cincinnati  
**City/State:** Cincinnati, OH  
**Project Title:** The Role of Pulmonary Alveolar Microlithiasis in Cardiovascular Disease  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Jinjiang Pang, MD PhD, MD  
**Program Type:** Innovative Project Award  
**Institution:** University of Rochester Medical Center  
**City/State:** Rochester, NY  
**Project Title:** The novel mechanism of HIV-PAH  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Sang Park, 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
Ravi Ranjan, BS, MSE, PhD, MD  
**Program Type:** Innovative Project Award  
**Institution:** University of Utah  
**City/State:** Salt Lake City, UT  
**Project Title:** Computational Modeling Guided Ablation for Atrial Arrhythmias  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

M Ann Reinthal, 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

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

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

William Rymer, 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

Kathryn Sandberg, PhD  
**Program Type:** Innovative Project Award  
**Institution:** Georgetown University  
**City/State:** Washington, DC  
**Project Title:** REVERSING CARDIO-METABOLIC DISEASE RISK ASSOCIATED WITH VERY LOW FOOD SECURITY  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000
Yassine Sassi, 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

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

Victor Schuster, 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

Evan Scott, PhD
Program Type: Innovative Project Award
Institution: Northwestern University, Evanston
City/State: Evanston, IL
Project Title: Multiplexed cellular MRI for quantitative assessment of vascular plaque instability
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Sabrina Scroggins, PhD
Program Type: Innovative Project Award
Institution: University of Iowa, Iowa City
City/State: Iowa City, IA
Project Title: Treatment of Preeclampsia Using Cellular Immunotherapy
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $199,997

Cyndya Shibao, BS, MD, MSc
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

Su Ryon Shin, PhD, MS, BS
Program Type: Innovative Project Award
Institution: Brigham & Women's Hospital
City/State: Boston, MA
Project Title: In situ bioprinting of personalized iPSC-laden oxygen generating implants for myocardial infarction treatment
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000
Eduardo Silva, PhD  
**Program Type:** Innovative Project Award  
**Institution:** University of California, Davis  
**City/State:** Davis, CA  
**Project Title:** Engineering new vascular networks with therapeutic lymphangiogenesis strategies  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Namrata Singh, MSc, MD  
**Program Type:** Innovative Project Award  
**Institution:** University of Iowa, Iowa City  
**City/State:** Iowa City, IA  
**Project Title:** Hydroxychloroquine use and the risk of incident major cardiovascular events  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Long-Sheng Song, MD, MS  
**Program Type:** Innovative Project Award  
**Institution:** University of Iowa, Iowa City  
**City/State:** Iowa City, IA  
**Project Title:** Determining the role of junctophilin-2 in vascular smooth muscle physiology and disease  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

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

William Thiel, 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

Michael Tranter, BS, PhD  
**Program Type:** Innovative Project Award  
**Institution:** University of Cincinnati  
**City/State:** Cincinnati, OH  
**Project Title:** RNA aptamer homing beacons to reduce obesity  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000
Le Trinh, PhD
Program Type: Innovative Project Award
Institution: University of Southern California
City/State: Los Angeles, CA
Project Title: Decoding noncoding GWAS in Congenital Heart Disease
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Philip Tsao, PhD, BS
Program Type: Innovative Project Award
Institution: Palo Alto Veterans Institute for Research
City/State: Palo Alto, CA
Project Title: Plasma therapy for abdominal aortic aneurysm
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Nikoleta Tsvetanova, BA, PhD
Program Type: Innovative Project Award
Institution: Duke University Durham
City/State: Durham, NC
Project Title: Decoding human genetic variation by functional dissection of beta2-adrenergic receptor signaling
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Steven Van Doren, PhD
Program Type: Innovative Project Award
Institution: University of Missouri, Columbia
City/State: Columbia, MO
Project Title: Quantifying Cardiac Motion Abnormalities on MR Exams using Principle Component Analysis
Award Start Date: 7/1/2019
Award End Date: 6/30/2021
Total Years: 2
Total Award Amount: $200,000

Charles Wang, MD, MPH, PhD
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

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

Robert Weiss, MD  
**Program Type:** Innovative Project Award  
**Institution:** University of Iowa, Iowa City  
**City/State:** Iowa City, IA  
**Project Title:** TargetingTransient 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

Colin Wu, BS, 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

Junjie Yang, PhD  
**Program Type:** Innovative Project Award  
**Institution:** University of Alabama at Birmingham  
**City/State:** Birmingham, AL  
**Project Title:** Cardiac specific delivery of exosomes  
**Award Start Date:** 7/1/2019  
**Award End Date:** 6/30/2021  
**Total Years:** 2  
**Total Award Amount:** $200,000

Quanguang Zhang, 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

Yiqiang Zhang, BS, MSc, PhD  
**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