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## American Heart Association Awardees by Program Type

Last Update: August 2019

### Career Development Award

#### **Justine Abais-Battad, BS, PhD**

**Program Type:** Career Development Award **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** Interplay between Gut Microbiota and Immunity in the Dietary Modulation of Hypertension **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

#### **Eltyeb Abdelwahid, MD, PhD**

**Program Type:** Career Development Award **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **Project Title:** The Role of TRIB3 in Cardiac Hypertrophy and Failure **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

#### **Shipra Agrawal, 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

#### **Isamu Aiba, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** Neurogenic mechanism of parasympathetic cardiac arrhythmias and sudden death **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

#### **Amrendra Ajay, PhD**

**Program Type:** Career Development Award **Institution:** Brigham & Women's Hospital **City/State:** Boston, MA **Project Title:** STAT3 transcriptional repositioning during acute kidney injury to fibrosis progression **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

#### **Andrew Allegretti, 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



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**Ryan Allen, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** Vanderbilt University Medical Center **City/State:** Nashville, TN **Project Title:** The Role of VLDL-trafficked Small RNAs in Metabolic Disease **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Francisco Altamirano, PhD, BSC**

**Program Type:** Career Development Award **Institution:** University of Texas Southwestern Medical Center **City/State:** Dallas, TX **Project Title:** Polycystin-1-dependent governance of cardiomyocyte hypertrophy via potassium channel control **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Francisco Alvarado, PharmD, PhD**

**Program Type:** Career Development Award **Institution:** University of Wisconsin, Madison **City/State:** Madison, WI **Project Title:** Novel Mechanisms of Cardiac Arrhythmia in a Rabbit Model of CPVT **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Rodrigo Alves De Souza, PhD, MS, BS**

**Program Type:** Career Development Award **Institution:** Beth Israel Deaconess Medical Center **City/State:** Boston, MA **Project Title:** The role of heme in exercise-induced protection against cardiotoxicity **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$230,800

**Lorena Amaral, PharmD, MS, PhD**

**Program Type:** Career Development Award **Institution:** University of Mississippi Medical Center **City/State:** Jackson, MS **Project Title:** Benefits of progesterone: missing in action during preeclampsia **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Peter Andersen, MSc, PhD**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** A mechanistic exploration of heart field specification in cardiac organoids **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Alli Antar, 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

**Brian Appavu, BS, MD**

**Program Type:** Career Development Award **Institution:** Phoenix Children's Hospital **City/State:** Phoenix, AZ **Project Title:** Multivariate Prediction of Stroke in Children Requiring Mechanical Circulatory Support **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**David Auerbach, 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

**Ali Azarbarzin, PhD**

**Program Type:** Career Development Award **Institution:** Brigham & Women's Hospital **City/State:** Boston, MA **Project Title:** Phenotyping hypoxia and arousal contributions to cardiovascular morbidity and mortality in patients with sleep apnea **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Yongho Bae, BS, MS, PhD**

**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

**Mona Bahouth, 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



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**Mersedeh Bahr Hosseini, 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

**Mariah Baker, 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

**Lauren Baldassarre, BA, MS, MD**

**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

**David Bark, PhD, MS, BS**

**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

**Tessa Barrett, BSC, PhD**

**Program Type:** Career Development Award **Institution:** New York University School of Medicine **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

**Effie Bastounis, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** University of Washington, Seattle **City/State:** Seattle, WA **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



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**Madhumita Basu, 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

**Ambre Bertholet, PhD**

**Program Type:** Career Development Award **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Controlling mitochondrial H<sup>+</sup> leak to combat metabolic syndrome and heart diseases **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Xin Bi, MBBS, PhD**

**Program Type:** Career Development Award **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **Project Title:** Molecular mechanisms linking NUCLIR, a novel lipid- and CAD-associated gene, to lipid metabolism and atherosclerosis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Joshua Bloomekatz, 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

**Wendy Bottinor, BS, MD**

**Program Type:** Career Development Award **Institution:** Vanderbilt University Medical Center **City/State:** Nashville, TN **Project Title:** Early Detection of Cardiovascular Disease in Childhood Cancer Survivors **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Michael Bressan, PhD**

**Program Type:** Career Development Award **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **Project Title:** Developmental Optimization of Cardiac Pacemaker Cell Excitability **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Rosa Breton-Romero, BS, PhD**

**Program Type:** Career Development Award **Institution:** Boston University Medical Campus **City/State:** Boston, MA **Project Title:** Contribution of Mitochondrial-associated ER Membrane Integrity to Endothelial Dysfunction in Human Diabetes Mellitus **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jingli Cao, 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

**Salvatore Carbone, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** Virginia Commonwealth University, Richmond **City/State:** Richmond, VA **Project Title:** Unsaturated Fatty Acids to Improve Cardiorespiratory Fitness in Patients with Obesity and HFpEF **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Amandine Chaix, 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

**Angel Chan, 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

**Stephen Chelko, BS, PhD**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** CAPN1/AIF Activation: a Mitochondrial-mediated Myocyte Death Pathway in Arrhythmogenic Cardiomyopathy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Ian Chen, 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

**Meifan Chen, 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

**Suet Nee Chen, BS, MSc, PhD**

**Program Type:** Career Development Award **Institution:** University of Colorado Denver  
**City/State:** Denver, CO **Project Title:** The role of TP53 and Hippo Pathways in the  
pathogenesis of LMNA cardiomyopathy **Award Start Date:** 4/1/2019 **Award End Date:**  
3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Tianji Chen, 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

**Xingxing Cheng, MD**

**Program Type:** Career Development Award **Institution:** Stanford University, Stanford  
**City/State:** Stanford, CA **Project Title:** Performance-based risk stratification for  
coronary artery disease on the kidney transplant waitlist **Award Start Date:** 4/1/2019  
**Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Donald Clark, MD, MPH**

**Program Type:** Career Development Award **Institution:** University of Mississippi Medical  
Center **City/State:** Jackson, MS **Project Title:** Home Based Hypertension Management  
Using Remote Blood Pressure Telemonitoring **Award Start Date:** 4/1/2019 **Award End  
Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Daniel Combs, BS, BS**

**Program Type:** Career Development Award **Institution:** University of Arizona, Tucson  
**City/State:** Tucson, AZ **Project Title:** Examining the role of obstructive sleep apnea in  
cognitive and quality of life impairment in children with CHD **Award Start Date:**  
4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000





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**Marc Cook, 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

**Paola Corti, 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

**Rachelle Crescenzi, 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

**Mark Cunningham, 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

**Lucia De Almeida, PhD, MS, PharmD**

**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

**Geoffrey De Couto, 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





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**Paul De Vries, BSC, MSc, PhD**

**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

**Matthew Deberge, 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

**Ye Ding, PhD**

**Program Type:** Career Development Award **Institution:** Georgia State University **City/State:** Atlanta, GA **Project Title:** Inflammasome in smoking-promoted atherosclerotic plaque rupture **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Yichen Ding, 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

**Layne Dylla, BS, MD PhD**

**Program Type:** Career Development Award **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **Project Title:** The Role of Hyperoxia in the Emergency Department Treatment of Acute Ischemic Stroke **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$230,998

**Colin Evans, PhD, BSC**

**Program Type:** Career Development Award **Institution:** Ann & Robert H. Lurie Children's Hospital of Chicago **City/State:** Chicago, IL **Project Title:** Novel Regulation of Sepsis-Induced Lung Injury by Pulmonary Thrombosis **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 4 **Total Award Amount:** \$231,000



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**Christopher Favilla, BA, MD**

**Program Type:** Career Development Award **Institution:** University of Pennsylvania  
**City/State:** Philadelphia, PA **Project Title:** Temporal Evolution of the Ischemic  
Penumbra by Multimodal Hemodynamic Monitoring **Award Start Date:** 4/1/2019 **Award  
End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Xue Feng, PhD**

**Program Type:** Career Development Award **Institution:** University of Virginia,  
Charlottesville **City/State:** Charlottesville, VA **Project Title:** A fully automatic  
quantification framework for myocardial perfusion imaging using cardiovascular  
magnetic resonance **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total  
Years:** 3 **Total Award Amount:** \$231,000

**Thomaz Fleury Curado, MD PhD**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University School  
of Medicine **City/State:** Baltimore, MD **Project Title:** Chemogenetic Approach to Treat  
Obstructive Sleep Apnea **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total  
Years:** 3 **Total Award Amount:** \$231,000

**Daniel Forsha, BA, MD, MHSc**

**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

**Andrea Frump, PhD**

**Program Type:** Career Development Award **Institution:** Indiana University, Indianapolis  
**City/State:** Indianapolis, IN **Project Title:** The role of apelin-mediated right ventricular-  
protective effects in pulmonary hypertension **Award Start Date:** 4/1/2019 **Award End  
Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Rajshekhar Gaji, PhD, DVM**

**Program Type:** Career Development Award **Institution:** University of Michigan  
**City/State:** Ann Arbor, MI **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



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**Chen Gao, BS, PhD**

**Program Type:** Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Novel Cardiac Protective mRNA Surveillance Mechanism Mediated by RBFOX1 **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Venkata Garikipati, PhD, MSc, BS**

**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

**Michael Garshick, BA, MD**

**Program Type:** Career Development Award **Institution:** New York University School of Medicine **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

**Jimena Giudice, BS, MEd, PhD**

**Program Type:** Career Development Award **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **Project Title:** Functional implications of alternative splicing in cardiac biology **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Erin Gloag, PhD**

**Program Type:** Career Development Award **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** Understanding the evolution of Pseudomonas aeruginosa adapted variants in chronic infections **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Juan Manuel Gonzalez-Rosa, MSc, PhD**

**Program Type:** Career Development Award **Institution:** Massachusetts General Hospital **City/State:** Boston, MA **Project Title:** Exploring the role of Hippo signaling and elevated cardiomyocyte ploidy as barriers for zebrafish heart regeneration **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Kara Goss, 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



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**Paul Grimsrud, 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

**Julien Grondin, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** Columbia University, New York  
**City/State:** New York, NY **Project Title:** Noninvasive 3D electromechanical activation mapping of the heart for cardiac arrhythmia **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Alireza Haghighi, MD, DPhil**

**Program Type:** Career Development Award **Institution:** Brigham & Women's Hospital  
**City/State:** Boston, MA **Project Title:** Discovery of Novel Genetic Variants Underlying Unexplained Hypertrophic Cardiomyopathy by WGS and RNAseq **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$230,919

**Lu Han, 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

**Myoung Sook Han, PhD**

**Program Type:** Career Development Award **Institution:** University of Massachusetts Medical School **City/State:** Worcester, MA **Project Title:** Mechanism of Adipose Tissue by Metabolic Stress Signaling **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Seunghye Han, MD, MPH**

**Program Type:** Career Development Award **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **Project Title:** Role of mitochondrial metabolism in lung development and repair. **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Donny Hanjaya-Putra, PhD, BS**

**Program Type:** Career Development Award **Institution:** University of Notre Dame  
**City/State:** Notre Dame, IN **Project Title:** Engineering Therapeutic Lymphangiogenesis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Laura Hansen, PhD, BS**

**Program Type:** Career Development Award **Institution:** Emory University, Atlanta  
**City/State:** Atlanta, GA **Project Title:** Skeletal Muscle Satellite Cells Play a Role in  
Arteriogenesis and Angiogenesis in Response to Ischemia **Award Start Date:** 4/1/2019  
**Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Mehdi Hedjazi Moghari, BSC, MSc, PhD**

**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

**Paul Hess, MD**

**Program Type:** Career Development Award **Institution:** Denver Research Institute  
**City/State:** Denver, CO **Project Title:** How Do High-Value Hospitals Succeed in Heart  
Failure Transitional Care? A Multi-Methods Proposal **Award Start Date:** 4/1/2019 **Award  
End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Gordon Ho, MD**

**Program Type:** Career Development Award **Institution:** University of California, San  
Diego **City/State:** La Jolla, CA **Project Title:** Mechanisms Underlying Recurrent Atrial  
Fibrillation in Patients with Prior Ablation and Isolated Pulmonary Veins **Award Start  
Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:**  
\$210,000

**Liang Hong, PhD**

**Program Type:** Career Development Award **Institution:** University of Illinois at Chicago  
**City/State:** Chicago, IL **Project Title:** Investigation of SCN5A variants associated with  
atrial fibrillation using hiPSCs-derived atrial-like cells **Award Start Date:** 4/1/2019  
**Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Paul Li-Hao Huang, 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



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Association.**

**Nathaniel Huebsch, BS, PhD**

**Program Type:** Career Development Award **Institution:** Washington University  
**City/State:** Saint Louis, MO **Project Title:** An iPSC-Based Model of Preload-Induced Pathology in Arrhythmogenic Cardiomyopathy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Maarten Hulsmans, PhD, MS, BS**

**Program Type:** Career Development Award **Institution:** Massachusetts General Hospital  
**City/State:** Boston, MA **Project Title:** Macrophage-Mediated Electrical and Structural Remodeling after Myocardial Infarction **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Ahmed Ibrahim, 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

**Olga Ilnytska, 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

**Olan Jackson-Weaver, PhD**

**Program Type:** Career Development Award **Institution:** Tulane University, New Orleans  
**City/State:** New Orleans, LA **Project Title:** Arginine methylation of IP3 receptors in NFAT signaling and angiogenesis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022  
**Total Years:** 3 **Total Award Amount:** \$231,000

**Jin Kwon Jeong, PhD**

**Program Type:** Career Development Award **Institution:** George Washington University  
**City/State:** Washington, DC **Project Title:** Crosstalk between brain insulin and angiotensin-II in hypertension development **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022  
**Total Years:** 3 **Total Award Amount:** \$231,000

**Bong Sook Jhun, 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



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**Bin Jiang, PhD, BS**

**Program Type:** Career Development Award **Institution:** Northwestern University, Evanston **City/State:** Evanston, IL **Project Title:** Restoring vascular endothelial functions for diabetic patients with peripheral artery disease **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Michelle Johansen, MD, MD, BS**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** Defining the role of Atrial Cardiopathy and Subclinical Cardiac Disease in Acute Ischemic Stroke **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Scott Johnstone, BSC, PhD**

**Program Type:** Career Development Award **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** connexin regulation of cell proliferation **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Brian Joyce, PhD**

**Program Type:** Career Development Award **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **Project Title:** Associations Between Whole Genome Sequencing-Derived Telomere Length and Subclinical Cardiovascular Disease **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Miyeon Jung, PhD**

**Program Type:** Career Development Award **Institution:** Indiana University, Indianapolis **City/State:** Indianapolis, IN **Project Title:** A Virtual Reality Intervention to Improve Attention in Heart Failure Patients **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$230,937

**Meher Juttukonda, BSE, PhD**

**Program Type:** Career Development Award **Institution:** Massachusetts General Hospital **City/State:** Boston, MA **Project Title:** Microvascular hemodynamics of small vessel disease in vascular dementia **Award Start Date:** 4/1/2019 **Award End Date:** 5/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000





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**Corey Kalbaugh, BS, MS, MA, PhD**

**Program Type:** Career Development Award **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **Project Title:** Understanding and Addressing Racial Disparities in the Management of Peripheral Artery Disease **Award Start Date:** 4/1/2019 **Award End Date:** 8/31/2022 **Total Years:** 3 **Total Award Amount:** \$228,849

**Xunlei Kang, MD, PhD**

**Program Type:** Career Development Award **Institution:** University of Missouri, Columbia **City/State:** Columbia, MO **Project Title:** Role of SHP-1 in cardiac fibrosis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Onur Kanisicak, PhD**

**Program Type:** Career Development Award **Institution:** University of Cincinnati **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

**Modar Kassar, 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

**Masataka Kawana, MD**

**Program Type:** Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Dissecting the molecular effects of mutations on the myosin regulatory light chain associated with HCM **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$230,997

**Zakir Khan, PhD**

**Program Type:** Career Development Award **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Angiotensin converting enzyme and neutrophil immune response to heart infection **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Makan Khoshnejad, PhD, BS**

**Program Type:** Career Development Award **Institution:** The Wistar Institute **City/State:** Philadelphia, PA **Project Title:** DNA-encoded anti-atherogenic therapeutics for reducing LDL and inducing HDL biogenesis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Jun-Dae Kim, BS, MS, PhD**

**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

**Kangho Kim, PhD, BS**

**Program Type:** Career Development Award **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** Metabolic Benefits of New Bile Acid Targets **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Paul Kim, 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

**Young-Mee Kim, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **Project Title:** Extra-Mitochondrial Roles of Mitofusin 2 in the Regulation of Endothelial Barrier Function During Acute Vascular Injury **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Danielle Kirkman, BSC, MSc, PhD**

**Program Type:** Career Development Award **Institution:** Virginia Commonwealth University, Richmond **City/State:** Richmond, VA **Project Title:** Chronic Kidney Disease and Heart Failure with Preserved Ejection Fraction: The Role of Mitochondrial Dysfunction **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Christopher Knoepke, PhD, MSW, BA**

**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



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**Arthur Ko, BS, PhD**

**Program Type:** Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Utilizing a novel portable imaging device to accelerate human genomic and diagnostic studies of cardiometabolic diseases **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Laszlo Kovacs, 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

**Shathiyah Kulandavelu, PhD**

**Program Type:** Career Development Award **Institution:** University of Miami, Miami **City/State:** Coral Gables, FL **Project Title:** Role of S-nitrosogluathione reductase (GSNOR) and nitric oxide in Preeclampsia and heart failure. **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Rahul Kumar, PhD**

**Program Type:** Career Development Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Hif2-alpha stabilization in Interstitial Macrophages Causes Thrombospondin-1 Mediated Hypoxic Pulmonary Hypertension **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Sanjeev Kumar, PhD, MD, MBBS**

**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

**Chi Keung Lam, BS, PhD**

**Program Type:** Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Dissecting the Pathogenesis of Presenilin-2 Mutation in Dilated Cardiomyopathy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Xi Lan, PhD**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** The double-edged role of soluble epoxide hydrolase after intracerebral hemorrhage **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Abbi Lane-Cordova, 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

**Ji Young Lee, 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

**Juhyun Lee, PhD, MS, BS**

**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

**Reggie Lee, PhD, BS**

**Program Type:** Career Development Award **Institution:** Louisiana State University Health Sciences Center Shreveport **City/State:** Shreveport, LA **Project Title:** Serum/glucocorticoid-regulated kinases 1 in cerebral ischemia **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Sangho Lee, PhD, MS**

**Program Type:** Career Development Award **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** Advance Therapeutics of Directly Reprogrammed Endothelial Cells **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Thorsten Leucker, MD, PhD**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University  
**City/State:** Baltimore, MD **Project Title:** The relationships among PCSK9, perivascular fat inflammation, and coronary and carotid disease in HIV+ individuals **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Michael Levitt, 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

**Jing Li, 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

**Xiaowei Li, PhD**

**Program Type:** Career Development Award **Institution:** University of Nebraska Medical Center, Omaha **City/State:** Omaha, NE **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

**Jialiang Liang, 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

**Chun Liu, PhD, BSC**

**Program Type:** Career Development Award **Institution:** Stanford University School of Medicine, Palo Alto **City/State:** Palo Alto, CA **Project Title:** Targeting Endothelial Cells Modulation for Cardiomyopathy Treatment **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$229,994



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**Jianmin Liu, BS, MS, PhD**

**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

**Qing Liu, PhD, MS, BS**

**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

**Ruya Liu, MD, PhD**

**Program Type:** Career Development Award **Institution:** University of Pittsburgh  
**City/State:** Pittsburgh, PA **Project Title:** TEAD1 AS A NOVEL REGULATOR OF MITOCHONDRIAL FUNCTION IN CARDIOMYOCYTES **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Xiaolei Liu, PhD, MS, BS**

**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

**Jeffrey Lochhead, 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

**Hong Ma, MD, PhD**

**Program Type:** Career Development Award **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **Project Title:** Role of Lin28a/Pck2 axis on metabolic reprogramming in cardiac hypertrophy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Julia Mack, PhD**

**Program Type:** Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Flow Dependent Endothelial Cell Polarization **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Ahmed Mahmoud, PhD**

**Program Type:** Career Development Award **Institution:** University of Wisconsin, Madison **City/State:** Madison, WI **Project Title:** NERVE-GUIDANCE OF POST-ISCHEMIC HEART REGENERATION **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Nour Makarem, PhD, MS**

**Program Type:** Career Development Award **Institution:** Columbia University, New York **City/State:** New York, NY **Project Title:** Circadian Pattern of Rest-Activity Rhythms and Blood Pressure and the Underlying Epigenetic Mechanisms **Award Start Date:** 4/1/2019 **Award End Date:** 8/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Robert Mankowski, PhD, MS, BS**

**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

**Sherry Mansour, 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

**Wenbin Mao, PhD, MS, BS**

**Program Type:** Career Development Award **Institution:** Georgia Tech Research Corporation **City/State:** Atlanta, GA **Project Title:** The impact of MitraClip treatment on intraventricular flow and ventricular remodeling in heart failure patients with SMR **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000





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**Oscar Armando Marcos-Contreras, PhD, PharmD**

**Program Type:** Career Development Award **Institution:** University of Pennsylvania  
**City/State:** Philadelphia, PA **Project Title:** Cell specific targeted drug delivery to the  
inflamed brain **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3  
**Total Award Amount:** \$231,000

**Alexander Merkle, 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

**Mei Methawasin, MD, PhD**

**Program Type:** Career Development Award **Institution:** University of Arizona, Tucson  
**City/State:** Tucson, AZ **Project Title:** Integrative studies of diastolic function of  
cardiomyocytes in health and disease. **Award Start Date:** 4/1/2019 **Award End Date:**  
3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Megan Mueller, PhD, MPH**

**Program Type:** Career Development Award **Institution:** University of California, Los  
Angeles **City/State:** Los Angeles, CA **Project Title:** Restaurant corporate social  
responsibility and associations with business practices relevant to cardiovascular  
health **Award Start Date:** 4/1/2019 **Award End Date:** 5/31/2022 **Total Years:** 3 **Total  
Award Amount:** \$231,000

**Jason Nagata, MD**

**Program Type:** Career Development Award **Institution:** University of California, San  
Francisco **City/State:** San Francisco, CA **Project Title:** Adolescent and Young Adult  
Physical Activity Trajectories and Future Cardiovascular Disease Risk **Award Start Date:**  
4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Shyam Nandi, PhD, MSc, BSC**

**Program Type:** Career Development Award **Institution:** University of Nebraska Medical  
Center, Omaha **City/State:** Omaha, NE **Project Title:** Neurogenic mechanism for  
mitochondrial abnormality in hypertensive cardiomyopathy **Award Start Date:**  
4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Imoh Okon, BSC, MSc, PhD**

**Program Type:** Career Development Award **Institution:** Georgia State University  
**City/State:** Atlanta, GA **Project Title:** Elucidating Novel Roles of Mitochondria FUNDC1 Receptor in Obesity&#8208;instigated Angiogenesis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Masashi Okubo, 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

**D Ryan Ormond, 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

**Nicholas Osborne, 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

**Rushi Parikh, 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

**Elizabeth Parker, BS, PhD, RD**

**Program Type:** Career Development Award **Institution:** University of Maryland, Baltimore **City/State:** Baltimore, MD **Project Title:** Evaluation of teacher-level behaviors within an existing school-based childhood obesity prevention intervention **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Michaela Patterson, 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

**Ryan Pedrigi, PhD**

**Program Type:** Career Development Award **Institution:** University of Nebraska, Lincoln  
**City/State:** Lincoln, NE **Project Title:** ULTRASOUND AS A MECHANOTHERAPY FOR ENDOTHELIAL CELL DYSFUNCTION IN ATHEROSCLEROSIS **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Krishna Penumatsa, PhD, MS, BS**

**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

**Jessica Pflieger, BS, PhD**

**Program Type:** Career Development Award **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** The role of REDD1 in cardiac insulin sensitivity **Award Start Date:** 4/1/2019 **Award End Date:** 5/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Chia-Ling Phuah, BA, MB BCH, MSc**

**Program Type:** Career Development Award **Institution:** Washington University, School of Medicine **City/State:** Saint Louis, MO **Project Title:** Genetics of Cerebral Small Vessel Disease via Spatial Patterns of White Matter Hyperintensities **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Megan Puckelwartz, 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

**Aijun Qiao, PhD, MS, BA**

**Program Type:** Career Development Award **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** A novel mechanism of gluconeogenesis and ischemic heart disease **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Pearl Quijada, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **Project Title:** Restoring fetal angiogenic factors for the treatment of ischemic heart disease **Award Start Date:** 4/1/2019 **Award End Date:** 7/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Mark Ranek, 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

**Manuel Rausch, 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

**June-Wha Rhee, MD**

**Program Type:** Career Development Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Patient-specific modeling of metabolic dysfunction in statin-induced myopathy using iPSC-derived myocytes **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Dario Riascos Bernal, PhD, MD**

**Program Type:** Career Development Award **Institution:** Albert Einstein College of Medicine **City/State:** Bronx, NY **Project Title:** Mitochondrial Complex I in Vascular Remodeling **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Paula Rodriguez Miguelez, PhD, MS**

**Program Type:** Career Development Award **Institution:** Virginia Commonwealth University, Richmond **City/State:** Richmond, VA **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



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**Manuel Rosa-Garrido, BS, BS, PhD**

**Program Type:** Career Development Award **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Integrative Analysis of Genetic Variation and Chromatin Structure in Heart Failure **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Terence Ryan, BS, MS, PhD**

**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

**Juan Sanchez, 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

**Austin Schenk, MD PhD**

**Program Type:** Career Development Award **Institution:** The Ohio State University **City/State:** Columbus, OH **Project Title:** TCR Repertoire, Specificity, and the Endothelial Barrier in Allograft Rejection and Tolerance **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Leah Schinasi, PhD**

**Program Type:** Career Development Award **Institution:** Drexel University **City/State:** Philadelphia, PA **Project Title:** Urban greenness, cardiovascular disease mortality, and the environmental pathways underlying this association **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Kathryn Schunke, PhD**

**Program Type:** Career Development Award **Institution:** George Washington University **City/State:** Washington, DC **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

**Kinga Seo, PhD, MS, BA**

**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



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**Bojing Shao, BS, MS, PhD**

**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

**Dan Shao, 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

**Mengle Shao, PhD, BS**

**Program Type:** Career Development Award **Institution:** University of Texas Southwestern Medical Center **City/State:** Dallas, TX **Project Title:** Mural cell HIF1alpha in the control of adipose tissue remodeling in obesity **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Ningyi Shao, 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

**Sudhish Sharma, 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

**Ning Shi, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** University of Georgia, Athens **City/State:** Athens, GA **Project Title:** Olfactomedin 2 in development and progression of atherosclerosis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Yuichi Shimada, 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



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**Mi-Kyung Shin, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** Mechanisms of leptin-induced hypertension **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jon Sin, PhD, BS**

**Program Type:** Career Development Award **Institution:** Cedars-Sinai Medical Center **City/State:** Los Angeles, CA **Project Title:** Targeting viral-mitochondrial interactions to suppress coxsackievirus B- induced myocarditis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Neel Singhal, 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

**Padmini Sirish, BS, MSc, MS, PhD**

**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

**Katharine Smith, PhD**

**Program Type:** Career Development Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Investigating excitatory and inhibitory synaptic communication during oxygen-glucose deprivation **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Anren Song, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** The Protective Effects of Erythrocyte Purinergic Signaling in Chronic Heart Failure **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000





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**Prasad Srikakulapu, 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

**Moritz Stolla, PhD, MD**

**Program Type:** Career Development Award **Institution:** Bloodworks Northwest **City/State:** Seattle, WA **Project Title:** Cold-stored platelets to reverse dual antiplatelet therapy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$228,690

**Teng Su, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** North Carolina State University **City/State:** Raleigh, NC **Project Title:** Bio-inspired Microengineering of Synthetic Blood Vessels for Cardiac Regenerative Medicine **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Kavitha Subramanian, BS, MS, PhD**

**Program Type:** Career Development Award **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **Project Title:** Metallothionein 3 shapes the polarization and metabolism of M2 macrophages **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Matthew Tattersall, 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

**Peeyush Thankamani Pandit, 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



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**Isac Thomas, 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

**Stephen Thomas, PhD**

**Program Type:** Career Development Award **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Central and Peripheral Circadian Mechanisms Underlying Non-Dipping Blood Pressure in Blacks **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Changhai Tian, PhD, MS**

**Program Type:** Career Development Award **Institution:** University of Nebraska Medical Center, Omaha **City/State:** Omaha, NE **Project Title:** Extracellular Vesicle MicroRNAs Regulate Nrf2/ARE Signaling in Heart Failure **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Dhanendra Tomar, PhD, MS, BSC**

**Program Type:** Career Development Award **Institution:** Temple University **City/State:** Philadelphia, PA **Project Title:** Impact of mitochondrial structure on cellular homeostasis and cardiac ischemia-reperfusion (IR)-injury **Award Start Date:** 4/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Viktor Tomilin, PhD**

**Program Type:** Career Development Award **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** Importance of collecting duct ClC-Kb/2 channel for urinary electrolyte excretion **Award Start Date:** 4/1/2019 **Award End Date:** 5/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Marlin Touma, 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



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**Anusha Vable ., ScD**

**Program Type:** Career Development Award **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Reducing socioeconomic and racial disparities in CVD: evaluation of potential effects of educational interventions **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Ronald Vagnozzi, PhD**

**Program Type:** Career Development Award **Institution:** Cincinnati Children's Hospital Medical Center **City/State:** Cincinnati, OH **Project Title:** Genetic Modulation of Macrophage-Fibroblast Crosstalk to Enhance Tissue Healing after Myocardial Infarction **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Coen Van Solingen, PhD, MSc, BSc**

**Program Type:** Career Development Award **Institution:** New York University School of Medicine **City/State:** New York, NY **Project Title:** A micropeptide concealed in a putative lncRNA directs inflammation **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Rebecca Vanderpool, PhD**

**Program Type:** Career Development Award **Institution:** University of Arizona, Tucson **City/State:** Tucson, AZ **Project Title:** Role of HIF-2 $\alpha$  and Right Ventricular Fibrosis in the Development of Right Heart Failure and Pulmonary Hypertension **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Rajkumar Verma, BS, MS, PhD**

**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

**Ajit Vikram, BS, MS, PhD**

**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



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**Igor Vorobyov, PhD, MS, BS**

**Program Type:** Career Development Award **Institution:** University of California, Davis  
**City/State:** Davis, CA **Project Title:** Elucidation of molecular mechanisms of sex-based arrhythmias **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3  
**Total Award Amount:** \$231,000

**Christine Wahlquist, BS, MS, PhD**

**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

**Mary Wallingford, BS, MA, PhD**

**Program Type:** Career Development Award **Institution:** Tufts Medical Center  
**City/State:** Boston, MA **Project Title:** Evaluation of the Biomedical Significance and Prognostic Value of Calcification in the Placenta **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Fan Wang, PhD, BS**

**Program Type:** Career Development Award **Institution:** Cleveland Clinic Foundation  
**City/State:** Cleveland, OH **Project Title:** High-Throughput Functional Identification of Regulatory Causal Genomic Variants for CAD **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jing Wang, PhD**

**Program Type:** Career Development Award **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** Ganglioside GD3 in microglia after global cerebral ischemia **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Lei Wang, 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

**Li Wang, 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



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**Yanhua Wang, PhD, MS, BS**

**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

**Ying Wang, PhD, MD**

**Program Type:** Career Development Award **Institution:** Mayo Clinic, Jacksonville  
**City/State:** Jacksonville, FL **Project Title:** Role of endothelial neuropilin-1 in heart failure with preserved ejection fraction **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jason Wasfy, MD, MS, MSc, BS**

**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

**Zheng Wei, 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

**Crystal West, PhD**

**Program Type:** Career Development Award **Institution:** Georgetown University  
**City/State:** Washington, DC **Project Title:** Adaptations of the renin angiotensin system in pregnancy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Deborah Winter, 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



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**Robert Wirka, 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

**Roland Wu, BS, MD**

**Program Type:** Career Development Award **Institution:** University of California, San Francisco  
**City/State:** San Francisco, CA **Project Title:** The Identification of Endocardial Regulatory Elements in Cardiac Regeneration **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Shengnan Wu, PhD, BS**

**Program Type:** Career Development Award **Institution:** Georgia State University  
**City/State:** Atlanta, GA **Project Title:** The Role of the Mitochondria and Endoplasmic Reticulum Contacts in Diabetic Cardiomyopathy **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Yijen Wu, 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

**Ting Xie, MD, PhD**

**Program Type:** Career Development Award **Institution:** Cedars-Sinai Medical Center  
**City/State:** Los Angeles, CA **Project Title:** Epithelial growth hormone receptor regulation of pulmonary fibrosis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Huichun Xu, MD, PhD**

**Program Type:** Career Development Award **Institution:** University of Maryland, Baltimore  
**City/State:** Baltimore, MD **Project Title:** Resistive Training and Functional Genetic Mechanisms of Skeletal Muscle Recovery Post-stroke **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$230,775



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**Suowen Xu, 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

**Huan Yang, PhD**

**Program Type:** Career Development Award **Institution:** Beth Israel Deaconess Medical Center **City/State:** Boston, MA **Project Title:** RAAS biomarkers of renal function and blood pressure response to sleep loss. **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Yi-Ting Yeh, BS, MS, PhD**

**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

**Pengchun Yu, BS, PhD**

**Program Type:** Career Development Award **Institution:** Oklahoma Medical Research Foundation **City/State:** Oklahoma City, OK **Project Title:** Metabolic regulation of lymphangiogenesis **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Xiaoyi Yuan, PhD**

**Program Type:** Career Development Award **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** The Role of MiR-147 in Acute Respiratory Distress Syndrome **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Lai-Ming Yung, PhD**

**Program Type:** Career Development Award **Institution:** Brigham & Women's Hospital **City/State:** Boston, MA **Project Title:** Relaxin/RXFP1 signaling axis: a novel therapeutic target in pulmonary hypertension **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000





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**Weizheng Zeng, PhD, BS**

**Program Type:** Career Development Award **Institution:** Scripps Research Institute  
**City/State:** La Jolla, CA **Project Title:** ROLES OF PIEZO1 IN NEURONAL SENSING OF  
BLOOD PRESSURE AND THE BAROREFLEX **Award Start Date:** 4/1/2019 **Award End Date:**  
3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Huiliang Zhang, PhD, MS, BS**

**Program Type:** Career Development Award **Institution:** University of Washington,  
Seattle **City/State:** Seattle, WA **Project Title:** Mechanisms of mitochondrial function  
rejuvenation to restore diastolic dysfunction **Award Start Date:** 4/1/2019 **Award End  
Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Lianghui Zhang, 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

**Wei Zhang, 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

**Mingtao Zhao, PhD, DVM, BS**

**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

**Ze Zheng, MBBS, PhD**

**Program Type:** Career Development Award **Institution:** Columbia University, New York  
**City/State:** New York, NY **Project Title:** Role of Reduced Hepatocyte-Derived tPA  
Activity in Obesity-Associated Atherothrombosis **Award Start Date:** 4/1/2019 **Award  
End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Chi Zhou, PhD, MSc**

**Program Type:** Career Development Award **Institution:** University of Wisconsin,  
Madison **City/State:** Madison, WI **Project Title:** Preeclampsia dysregulates fetal  
endothelial responses to growth factors and cytokines **Award Start Date:** 4/1/2019  
**Award End Date:** 7/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Hongyi Zhou, 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

**Huanjiao Zhou, MD, PhD**

**Program Type:** Career Development Award **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Endothelial cell-pericyte interactions in pathogenesis of cerebral cavernous malformation **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jianqiu Zou, PhD**

**Program Type:** Career Development Award **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** Role of Cullin 3 in cardiac mitochondrial quality control **Award Start Date:** 4/1/2019 **Award End Date:** 3/31/2022 **Total Years:** 3 **Total Award Amount:** \$231,000