



## American Heart Association Awardees by Program Type

Last Update: August 2019

### Scientist Development Grant

#### Andisheh Abedini, PhD

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

#### Michael Airola, BA, MS, PhD

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

#### Jaime Amengual Terrasa, PhD

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

#### Rouzbeh Amini, PhD, MS, BS

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

#### Deanna Arble, PhD

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

#### Joseph Aslan, PhD

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



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**Sharrelle Barber, ScD**

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

**Richard Beard, BS, PhD**

**Program Type:** Scientist Development Grant **Institution:** Boise State University **City/State:** Boise, ID **Project Title:** Mechanisms for Oncostatin M Induced TAMP Repression and Barrier Dysfunction in Cerebral Microvascular Endothelium **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Barbara Bensing, PhD, MS, BS**

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

**John Nicholas Betley, PhD**

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

**Ji Bihl, PhD, MD**

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

**Jean C. Bopassa, PhD, MA**

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



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**Olga Boukrina, PhD, BA**

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

**Carie Boychuk, PhD, BS**

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

**Simon Bulley, PhD**

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

**Dylan Burnette, PhD**

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

**Sanjukta Chakraborty, PhD**

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

**M Pia Chaparro, PhD, MS, BS**

**Program Type:** Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **Project Title:** The impact of the 2009 WIC food package change on child obesity: an innovative quasi-experimental approach **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$230,627



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**Phapanin Charoenphol, PhD, MS, BS**

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

**Yiliang Chen, PhD**

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

**Yun Chen, PhD**

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

**Edward Chouchani, PhD**

**Program Type:** Scientist Development Grant **Institution:** Dana-Farber Cancer Institute, Boston **City/State:** Boston, MA **Project Title:** Determining mechanisms of redox control over adaptation to exercise **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Sangita Choudhury, PhD, MSc**

**Program Type:** Scientist Development Grant **Institution:** Boston Children's Hospital **City/State:** Boston, MA **Project Title:** Lamin-B2: a new regulator of heart muscle cell proliferation for developing regenerative therapies for heart failure **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Darrell Cockburn, BSC, PhD**

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



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**Daniel Conway, PhD, BS**

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

**Brian Coon, PhD**

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

**Blaise Costa, BS, MS, PhD**

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

**Naima Covassin, BSC, MS, PhD**

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

**Robert Cudmore, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Longitudinal in vivo two-photon imaging of cerebral vascular plasticity following stroke in awake, behaving young and ag **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

**Xiaobing Cui, MD, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Georgia, Athens **City/State:** Athens, GA **Project Title:** Response gene to complement 32 in pulmonary arterial hypertension **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Istvan Czikora, PhD, MSc**

**Program Type:** Scientist Development Grant **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** Direct ENaC activation preserves capillary barrier function in pneumonia **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Raj Dedhia, MD, MS**

**Program Type:** Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea on Sympathetic Activity **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Randall Demartino, MD, MS**

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

**Bijan Dey, BSc, MSc, MSc, PhD**

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

**Mauricio Dorfman, PhD**

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

**Bin Duan, PhD**

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



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**Louise Evans, MSc, MSc, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Minnesota, Minneapolis **City/State:** Minneapolis, MN **Project Title:** H<sub>2</sub>O<sub>2</sub> initiates renal inflammation in salt-sensitive hypertension. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Pu Fang, PhD**

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

**Kristi Frank, BS, BS, PhD**

**Program Type:** Scientist Development Grant **Institution:** The Henry M Jackson Foundation for the Advancement of Military Medicine **City/State:** Bethesda, MD **Project Title:** Role of Enterococcus faecalis pstB1 transcriptional activation in endocarditis and biofilm formation **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Yoichi Furuya, PhD**

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

**Lakshmi Galam, PhD**

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

**Peter Galie, BS, MS, PhD**

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



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**Zhonghua Gao, PhD**

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

**Vivek Garg, PhD, MS**

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

**Joseph Goldman, BS, PhD**

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

**Humaira Gowher, PhD**

**Program Type:** Scientist Development Grant **Institution:** Purdue University, West Lafayette **City/State:** West Lafayette, IN **Project Title:** Control of antiangiogenic gene expression by Vezf1-mediated Pol II pausing **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Kristine Griffett, PhD**

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

**Laurel Grisanti, BA, PhD**

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

**Wenrui Hao, PhD**

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





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**Heather Hayenga, BS, PhD**

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

**Todd Heallen, PhD**

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

**Marina Hernandez, PhD**

**Program Type:** Scientist Development Grant **Institution:** Emory University, Atlanta  
**City/State:** Atlanta, GA **Project Title:** Polymerase Delta-interacting Protein 2 Deficiency  
Protects Against Blood Brain Barrier Permeability following stroke **Award Start Date:**  
1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Hui Hu, PhD, BS**

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

**Joshua Hutcheson, PhD, MSc, BS**

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

**Princess Imoukhuede, PhD, BS**

**Program Type:** Scientist Development Grant **Institution:** Washington University  
**City/State:** Saint Louis, MO **Project Title:** Predicting new targets for inducing sprouting  
angiogenesis via systems biology **Award Start Date:** 1/1/2016 **Award End Date:**  
12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000



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**Suttira Intapad, BSC, PhD**

**Program Type:** Scientist Development Grant **Institution:** Tulane University, New Orleans  
**City/State:** New Orleans, LA **Project Title:** Maternal preeclampsia programs  
hypertension in mouse offspring. **Award Start Date:** 1/1/2016 **Award End Date:**  
12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

**Kiyotake Ishikawa, MD**

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

**Yewei Ji, PhD**

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

**Jill Kaar, PhD**

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

**Jana Kainerstorfer, PhD**

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

**Hojin Kang, PhD, MS, BS**

**Program Type:** Scientist Development Grant **Institution:** University of Illinois at Chicago  
**City/State:** Chicago, IL **Project Title:** S1P Activation of Piezo1 Mediates Angiogenesis in  
Response to Wall Shear Stress **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020  
**Total Years:** 3 **Total Award Amount:** \$231,000

**Ramaswamy Kannappan, PhD**

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



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**Jason Karch, PhD, BA**

**Program Type:** Scientist Development Grant **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** Identification of Novel Regulators of Necrosis in the Ischemic Heart. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Manjula Karpurapu, PhD**

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

**Kyeong Jin Kim, PhD**

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

**Oleg Kim, PhD**

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

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

**Program Type:** Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana **City/State:** Urbana, IL **Project Title:** Role of intestinal SHP and FGF19 in regulating cholesterol levels **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

**Vijaya Kolachalama, PhD, BS**

**Program Type:** Scientist Development Grant **Institution:** Boston University Medical Campus **City/State:** Boston, MA **Project Title:** Mechanisms of drug-coated balloon therapy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jonathan Kopechek, BS, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY **Project Title:** Ultrasound-Targeted Delivery of miRNA Therapeutics for Cardiac Repair after Myocardial Infarction **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000



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**John Kostyak, BS, MS, PhD**

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

**Panagiotis Koutakis, PhD**

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

**Sivarajan Kumarasamy, PhD, MSc, BSc**

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

**Jennifer Kwong, PhD, BA**

**Program Type:** Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** Defining the role of MCUB in the regulation of cardiac mitochondrial calcium sensing, metabolism and survival **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

**Yen Chun Lai, PhD**

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

**Charitharth Lal, MBBS, MD**

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



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**Peter Leary, MD, BA, BS, MS**

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

**Chi Fung Lee, BSC, MSc, PhD**

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

**Chung-Hao Lee, PhD, MS, BS**

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

**Lik Chuan Lee, PhD**

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

**Won Hee Lee, PhD, MS**

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

**Deqiang Li, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Maryland, Baltimore **City/State:** Baltimore, MD **Project Title:** Assessment and promotion of postnatal mammalian cardiomyocyte proliferation **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jiuan-Huey Lin, PhD, MD**

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



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**Bin Liu, MS, PhD**

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

**Chen Liu, PhD, BS**

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

**Hongbing Liu, PhD**

**Program Type:** Scientist Development Grant **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **Project Title:** The roles of Histone Deacetylase 1 and 2 in Nephron Endowment **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Hua Liu, PhD**

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

**Qiang Liu, PhD, MD**

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

**Yuan Liu, PhD**

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

**Elisabetta Liverani, BSC, PhD**

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



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**Thomas Longden, BSC, PhD**

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

**Camille Mace, PhD**

**Program Type:** Scientist Development Grant **Institution:** Rush University Medical Center **City/State:** Chicago, IL **Project Title:** Molecular mechanisms of non-HIV collapsing glomerulopathy **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

**Joseph McNally, MD PhD**

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

**Elizabeth Mcneill, PhD, BS**

**Program Type:** Scientist Development Grant **Institution:** Iowa State University **City/State:** Ames, IA **Project Title:** The role of miR-987 in cardiac morphology and function **Award Start Date:** 1/1/2016 **Award End Date:** 3/31/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

**Shu Meng, PhD, MS, MD**

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

**Yinglong Miao, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Kansas, Lawrence **City/State:** Lawrence, KS **Project Title:** Structure-Based Design of Allosteric Enhancers of the Adenosine A1 Receptor **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Laura Musselman, BS, PhD**

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



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**Michinari Nakamura, MD**

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

**Michael Nelson, PhD, MSc, BA**

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

**Matthew Nystoriak, BA, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Louisville **City/State:** Louisville, KY **Project Title:** Compartmentalized cAMP signaling in diabetic vascular dysfunction. **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

**Patrick Osei Owusu, BS, PhD**

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

**Marcia Otto, PhD, MS, BS**

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

**Jin O-Uchi, MD, PhD**

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





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**Navjotsingh Pabla, PhD**

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

**Oleg Palygin, BS, MS, PhD**

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

**Deepesh Pandey, BA, PhD**

**Program Type:** Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine  
**City/State:** Baltimore, MD **Project Title:** HDAC2 modulates Atherosclerosis **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4  
**Total Award Amount:** \$308,000

**Eon Joo Park, BS, MS, PhD**

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

**Pablo Perez-Pinera, MD PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Illinois, Champaign-Urbana  
**City/State:** Urbana, IL **Project Title:** CORRECTION OF DYSTROPHIN CARDIOMYOPATHIES BY ACTIVATION OF NATIVE UTRN EXPRESSION **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020  
**Total Years:** 3 **Total Award Amount:** \$231,000

**Parisa Pour Shahid Saeed Ab, PhD**

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



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**Xulei Qin, BSE, PhD**

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

**Tiffany Reese, PhD, BS**

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

**Will Richardson, BS, PhD**

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

**Shannon Robson, PhD, MPH, RD**

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

**Jinsook Roh, PhD**

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

**Veerle Rottiers, BS, MS, PhD**

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

**Ibolya Rutkai, MSc, PhD**

**Program Type:** Scientist Development Grant **Institution:** Tulane University, New Orleans  
**City/State:** New Orleans, LA **Project Title:** Estrogen mediated protection against stroke:  
mitochondria as subcellular targets of nitric oxide. **Award Start Date:** 1/1/2017 **Award  
End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000



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**Sarika Saraswati, PhD**

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

**Yassine Sassi, PhD**

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

**Priscila Sato, PhD**

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

**Michael Schar, PhD**

**Program Type:** Scientist Development Grant **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** Improving Noninvasive Coronary Endothelial Function Measures for Greater Research Impact and towards Clinical Use **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Jennifer Schumacher, BS, PhD**

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

**Fabrizio Sergi, PhD**

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



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**Palak Shah, BS, MD, MS**

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

**Hossam Shaltout, PhD, RPh**

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

**Yejie Shi, MD, PhD**

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

**Kai Song, BS, PhD**

**Program Type:** Scientist Development Grant **Institution:** Boston Children's Hospital  
**City/State:** Boston, MA **Project Title:** The role of epsin in regulating SR-B1 function and lipid metabolism in atherosclerosis **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Francesca Stillitano, BS, PhD**

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

**Deeptha Sukumar, PhD**

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

**Hani Suleiman, PhD, MD**

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



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**Ruhma Syeda, DPhil**

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

**Corey Tabit, BS, BA, MD, MBA**

**Program Type:** Scientist Development Grant **Institution:** University of Chicago **City/State:** Chicago, IL **Project Title:** Molecular Mechanisms of Non-Surgical Bleeding in Human Patients with Continuous-Flow Left Ventricular Assist Devices **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Kiyoko Takemiya, PhD, MD**

**Program Type:** Scientist Development Grant **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** A new near-infrared fluorescent imaging probe for specific detection of bacterial device infection **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Bert Tanner, PhD, BS**

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

**Ge Tao, BS, PhD**

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

**Hagai Tavori, BSc, MSc, PhD**

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

**Bruno Tesini Roseguini, PT, MSc, PhD**

**Program Type:** Scientist Development Grant **Institution:** Purdue University, West Lafayette **City/State:** West Lafayette, IN **Project Title:** Thermotherapy for intermittent claudication **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000



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**Gianluca Turcatel, PhD, MS**

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

**Valeria Vasquez, BS, PhD**

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

**Sudhakar Veeranki, PhD, DVM, MSc**

**Program Type:** Scientist Development Grant **Institution:** University of Kentucky, Lexington **City/State:** Lexington, KY **Project Title:** Role of hydrogen sulfide in mitochondrial remodeling and myocardial energetics **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$231,000

**Vincent Venditto, PhD**

**Program Type:** Scientist Development Grant **Institution:** University of Kentucky, Lexington **City/State:** Lexington, KY **Project Title:** Understanding the role of autoantibodies targeting ApoA-I **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Amanda Vest, BSC, MBBS, MPH**

**Program Type:** Scientist Development Grant **Institution:** Tufts Medical Center **City/State:** Boston, MA **Project Title:** Is Sarcopenia Reversible in Systolic Heart Failure? **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$229,985

**Joshua Vincentz, PhD**

**Program Type:** Scientist Development Grant **Institution:** Indiana University, Indianapolis **City/State:** Indianapolis, IN **Project Title:** Hand transcription factors in cardiac outflow tract development and congenital heart disease **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000

**Brian Weil, PhD, MS, BS**

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



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**Clintoria Williams, PhD, BS**

**Program Type:** Scientist Development Grant **Institution:** Wright State University, Dayton **City/State:** Dayton, OH **Project Title:** Selective regulation of distal nephron sodium handling by calcineurin isoforms **Award Start Date:** 1/1/2016 **Award End Date:** 6/30/2020 **Total Years:** 4 **Total Award Amount:** \$308,000

**Hao Wu, PhD**

**Program Type:** Scientist Development Grant **Institution:** Boston Children's Hospital **City/State:** Boston, MA **Project Title:** Role of Epsins in Sepsis **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Liang Xiao, MD, PhD**

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

**Xin Xu, PhD**

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

**Xiaoyan Yang, PhD, MD**

**Program Type:** Scientist Development Grant **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **Project Title:** The role of the cytoplasmic deacetylase, Sirtuin2: a novel regulator of cardiotoxicity in heart failure **Award Start Date:** 1/1/2017 **Award End Date:** 12/31/2019 **Total Years:** 3 **Total Award Amount:** \$231,000

**Bing Yu, MB, MS, PhD**

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



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**Ke Yuan, PhD, BS**

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

**Peng Yuan, BS, PhD**

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

**Maliha Zahid, MBBS, PhD**

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

**Boback Ziaieian, PhD, MD**

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

**Sara Zimmer, BS, BS, PhD**

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

**Kristen Zuloaga, BA, PhD**

**Program Type:** Scientist Development Grant **Institution:** Albany Medical College **City/State:** Albany, NY **Project Title:** ROLE OF AROMATASE IN VASCULAR COGNITIVE IMPAIRMENT IN PREDIABETIC MICE **Award Start Date:** 1/1/2016 **Award End Date:** 12/31/2019 **Total Years:** 4 **Total Award Amount:** \$308,000