



## American Heart Association Awardees in Alpha Order by State

Last Update: August 2019

[MICHIGAN](#) • [MINNESOTA](#) • [MISSISSIPPI](#) • [MISSOURI](#) • [MONTANA](#) •  
[NEBRASKA](#) • [NEVADA](#) • [NEW HAMPSHIRE](#) • [NEW JERSEY](#)

### MICHIGAN

Aitor Aguirre, PhD

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

### MICHIGAN

Lanrong Bi, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Michigan Technological University, Houghton City: Houghton Project Title: Molecular Insight and Pharmacological Approach Targeting Mitochondrial Dynamic in Myocardial Ischemia/Reperfusion Injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

### MICHIGAN

Renee Bouley, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: G protein-coupled receptor kinase inhibitors as therapeutics for heart failure and hypertrophy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

### MICHIGAN

Simone Brixius-Anderko, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Understanding aldosterone biosynthesis for the treatment of hypertension Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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**MICHIGAN**

Maria Burnatowska-Hle, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Hope College City: Holland Project Title: Regulation of VACM-1/CUL5 signaling in the endothelium by a novel peptide ligand. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

**MICHIGAN**

Charles Chung, PhD, BS, MA

Program Type: Transformational Project Award Institution: Wayne State University City: Detroit Project Title: Mechanism and Diagnosis of Diastolic Dysfunction (and HFpEF) via Strain Rate-Dependent Impaired Relaxation Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

**MICHIGAN**

Deena Damschroder, BA

Program Type: Predoctoral Fellowship Institution: Wayne State University City: Detroit Project Title: Nicotinamide riboside rescues the exercise capacity of a Drosophila model of Barth syndrome Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$53,688

**MICHIGAN**

Lola Eniola-Adefeso, PhD

Program Type: Transformational Project Award Institution: University of Michigan City: Ann Arbor Project Title: Nanoparticle-loaded Microparticles for Enhanced Delivery of Anti-CD47 Therapy in CAD Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

**MICHIGAN**

C Alberto Figueroa, PhD

Program Type: Institute - AI and ML Institution: University of Michigan Medical Center City: Ann Arbor Project Title: A Cloud-computing Machine Learning and Computational Fluid Dynamics Framework for Assessment of Coronary Disease Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

**MICHIGAN**

Rajshekhar Gaji, PhD, DVM

Program Type: Career Development Award Institution: University of Michigan City: Ann Arbor 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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**MICHIGAN**

Steven Grzegorski, BA

Program Type: Predoctoral Fellowship Institution: University of Michigan Medical Center  
City: Ann Arbor Project Title: Characterizing the genetic contributions to thrombosis  
using zebrafish Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2  
Total Award Amount: \$53,688

**MICHIGAN**

Yajing Ji, MS, BS

Program Type: Predoctoral Fellowship Institution: Michigan State University City: East  
Lansing Project Title: Identifying the Rho/MRTF-A/SRF signaling axis as a new  
therapeutic target for Pulmonary Arterial Hypertension Award Start Date: 1/1/2019  
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

**MICHIGAN**

Yewei Ji, PhD

Program Type: Scientist Development Grant Institution: University of Michigan City: Ann  
Arbor 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

**MICHIGAN**

Xiaqing Jiang, MPH, MB

Program Type: Predoctoral Fellowship Institution: University of Michigan City: Ann Arbor  
Project Title: Multiple Chronic Conditions (MCC) and Post-Stroke Functional Outcome in  
a Bi-Ethnic Population Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total  
Years: 2 Total Award Amount: \$53,688

**MICHIGAN**

Eric Jimenez-Vazquez, PhD, MSc, BS

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann  
Arbor Project Title: Arrhythmogenic Mechanisms in hiPSC-CMs derived from patients  
with Duchene Muscular Dystrophy Award Start Date: 1/1/2019 Award End Date:  
12/31/2020 Total Years: 2 Total Award Amount: \$110,456

**MICHIGAN**

Mathumai Kanapathipillai, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:  
University of Michigan City: Ann Arbor Project Title: Novel nanodepots to target  
ischemic stroke with minimal hemorrhagic risk Award Start Date: 1/1/2019 Award End  
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$151,140



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MICHIGAN

Daniel Lawrence, PhD

Program Type: Transformational Project Award Institution: University of Michigan Medical Center City: Ann Arbor Project Title: The effects of the comorbidity of obesity on ischemic stroke and identification of a novel treatment strategy Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MICHIGAN

Lik Chuan Lee, PhD

Program Type: Scientist Development Grant Institution: Michigan State University City: East Lansing 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

MICHIGAN

Hongyang Li, BA

Program Type: Institute - AI and ML Training Grants Institution: University of Michigan City: Ann Arbor Project Title: Predicting cardiovascular risk from sleep patterns using deep learning Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$100,000

MICHIGAN

Wenyang Liang, BS

Program Type: Predoctoral Fellowship Institution: University of Michigan Medical Center City: Ann Arbor Project Title: Role of Krüppel-like Factor 11 in Diabetic Thrombosis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

MICHIGAN

Liu Liu, MD, MS

Program Type: Predoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Investigation into the regulatory role of heme on the conformation and function of heme oxygenase 2 Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

MICHIGAN

Xianshuang Liu, PhD, MS

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



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**MICHIGAN**

Julie Lumeng, MD

Program Type: Transformational Project Award Institution: University of Michigan City: Ann Arbor Project Title: The Development of Reward Response to Food in Very Early Childhood Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

**MICHIGAN**

Guangming Luo, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Roles of PIKfyve and phosphoinositide lipids in cell migration: implications for heart development Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

**MICHIGAN**

Sabrina Lynch, BSE, MS

Program Type: Predoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Early Initiation of Venous Thrombosis Examined Through a Photoacoustic Imaging Driven Computational Model Award Start Date: 7/1/2018 Award End Date: 8/30/2020 Total Years: 2 Total Award Amount: \$53,688

**MICHIGAN**

Kathleen Maheras, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Mitochondrial vitality in oligodendrocytes impacts neuronal survival after cardiac arrest Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

**MICHIGAN**

Romila Mascarenhas, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Cytosolic vitamin B12 trafficking and disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

**MICHIGAN**

Daniel Michele, PhD

Program Type: Undergraduate fellowship Institution: University of Michigan Medical Center City: Ann Arbor Project Title: Frankel Cardiovascular Center Summer Undergraduate Fellowship Program Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total Years: 3 Total Award Amount: \$60,000



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**MICHIGAN**

Brahmajee Nallamothe, MD, MPH

Program Type: Strategically Focused Research Network Institution: University of Michigan City: Ann Arbor Project Title: Optimizing Bystander and First Responder Time to Treatment in Out-of-Hospital Cardiac Arrest Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$795,355

**MICHIGAN**

Robert Neumar, MD, PhD

Program Type: Strategically Focused Research Network Institution: University of Michigan City: Ann Arbor Project Title: Michigan Resuscitation Innovation and Science Enterprise (M-RISE) Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$645,247

**MICHIGAN**

Nicholas Osborne, MD, MS

Program Type: Career Development Award Institution: University of Michigan City: Ann Arbor 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

**MICHIGAN**

Megan Pesch, BA, MS, MD

Program Type: Fellow-to-Faculty Transition Award Institution: University of Michigan Medical Center City: Ann Arbor Project Title: Harsh Maternal Restrictive Feeding Practices and Obesity in Early Childhood Award Start Date: 7/1/2017 Award End Date: 10/30/2022 Total Years: 5 Total Award Amount: \$593,000

**MICHIGAN**

Parisa Pour Shahid Saeed Ab, PhD

Program Type: Scientist Development Grant Institution: Michigan Technological University, Houghton City: Houghton 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

**MICHIGAN**

Oren Rom, BSC, RD, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan Medical Center City: Ann Arbor Project Title: Glycine and its biosynthetic pathways as anti-atherogenic targets Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456



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**MICHIGAN**

Georgeta Rosca, MD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Central Michigan University City: MT. PLEASANT Project Title: Mitochondrial NADH/NAD<sup>+</sup> redox ratio in high fat diet-induced cardiac disease Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

**MICHIGAN**

Julien Rossignol, BS, MSc, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Central Michigan University City: MT. PLEASANT Project Title: A novel dendrimer-based delivery platform for endogenous brain repair after stroke Award Start Date: 4/1/2018 Award End Date: 3/31/2020 Total Years: 2 Total Award Amount: \$154,000

**MICHIGAN**

Thomas Sanderson, PhD, BS

Program Type: Strategically Focused Research Network Institution: University of Michigan City: Ann Arbor Project Title: Early Neuroprotective Therapies for Out-of-Hospital Cardiac Arrest Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$1,581,393

**MICHIGAN**

Cosmo Saunders, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Determining the mechanism of leukotriene B<sub>4</sub> release during neutrophil chemotaxis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

**MICHIGAN**

Robert Silbergleit, BS, MD

Program Type: Strategically Focused Research Network Institution: University of Michigan City: Ann Arbor Project Title: Bystander and First Responders Clinical Trials for Early Neuroprotective Therapies in Out-of-Hospital Cardiac Arrest Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$687,205

**MICHIGAN**

Bryan Smith, BS, PhD

Program Type: Transformational Project Award Institution: Michigan State University City: East Lansing Project Title: Macrophage-Selective Nanotherapy for Atherosclerosis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000



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**MICHIGAN**

Sumeet Solanki, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Role of Macrophage HIF2 alpha in inflammatory mechanisms of Atherosclerosis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

**MICHIGAN**

Kevin Sunderland, BS

Program Type: Predoctoral Fellowship Institution: Michigan Technological University, Houghton City: Houghton Project Title: Quantitative Flow Analysis of Intracranial Aneurysms: A Metric for Predicting Rupture Risk Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

**MICHIGAN**

Yuqi Wang, BS

Program Type: Predoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: The mechanisms by which polyphosphate and nucleic acids trigger blood clotting Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

**MICHIGAN**

Stephanie Watts, PhD

Program Type: Transformational Project Award Institution: Michigan State University City: East Lansing Project Title: Chemerin Knockdown as a treatment for obesity-associated Hypertension Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$299,997

**MICHIGAN**

Randal Westrick, BS, MS, PhD

Program Type: Undergraduate fellowship Institution: Oakland University City: Rochester Project Title: AHA-Oakland University Summer Undergraduate Research Program Award Start Date: 1/1/2019 Award End Date: 12/31/2021 Total Years: 3 Total Award Amount: \$60,000

**MICHIGAN**

Joseph Wider, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Neuronal cristae morphology: The effects of mitochondrial membrane potential and hyperpolarization Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060





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**MICHIGAN**

Colin Wu, BS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Oakland University City: Rochester Project Title: Predicting the cardiovascular risks of BRCA1 mutations Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

**MICHIGAN**

Colin Wu, BS, PhD

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

**MICHIGAN**

Jinjun Xia, BS, MS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Lawrence Technological University City: Southfield Project Title: Shear Wave and Optical Imaging Based Non-Destructive Biomechanical Evaluation of Tissue Engineered Blood Vessels (TEBV) Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$151,734

**MICHIGAN**

Minzhi Yu, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Michigan City: Ann Arbor Project Title: Biomimetic Lipid Micelles for Atherosclerosis Treatment Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

**MINNESOTA**

Laprincess Brewer, MD, MPH, BS

Program Type: AHA-AMFDP Scholar Institution: Mayo Clinic, Rochester City: Rochester Project Title: The FAITH! Trial: A mHealth Intervention to Improve Cardiovascular Health Among African-Americans Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$420,000

**MINNESOTA**

Zhongming Chen, MS, PhD

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



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MINNESOTA

John Collister, PhD, DVM

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Minnesota, Minneapolis City: Minneapolis Project Title: Role of Brain-Sympathetic-Gut Microbiome Axis in Hypertension Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

MINNESOTA

Naima Covassin, BSC, MS, PhD

Program Type: Scientist Development Grant Institution: Mayo Clinic, Rochester City: Rochester 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

MINNESOTA

Randall Demartino, MD, MS

Program Type: Scientist Development Grant Institution: Mayo Clinic, Rochester City: Rochester 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

MINNESOTA

Louise Evans, MSc, MSc, PhD

Program Type: Scientist Development Grant Institution: University of Minnesota, Minneapolis City: Minneapolis 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

MINNESOTA

Daniel Garry, MD PhD

Program Type: Transformational Project Award Institution: University of Minnesota, Minneapolis City: Minneapolis Project Title: Bioengineering non-human primate vasculature in gene edited animals Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MINNESOTA

Daniel Garry, MD PhD

Program Type: Transformational Project Award Institution: University of Minnesota, Minneapolis City: Minneapolis Project Title: Regulation of Cardiomyocyte Proliferation and Regeneration Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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MINNESOTA

Timothy Heden, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Minnesota, Minneapolis  
City: Minneapolis Project Title: Role of glycophagy in exercise induced improvements in skeletal muscle insulin sensitivity Award Start Date: 1/1/2019 Award End Date: 1/31/2021  
Total Years: 2 Total Award Amount: \$114,368

MINNESOTA

Bong Sook Jhun, PhD

Program Type: Career Development Award Institution: University of Minnesota,  
Minneapolis City: Minneapolis 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

MINNESOTA

Keehun Kim, BS

Program Type: Predoctoral Fellowship Institution: University of Minnesota, Minneapolis  
City: Minneapolis Project Title: A study of the structural basis and context dependence of cardiac GPCR pharmaceuticals Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

MINNESOTA

Nam Chul Kim, PhD

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

MINNESOTA

Cindy Martin, MD

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

MINNESOTA

Victor Montori, MD, MS

Program Type: Strategically Focused Research Network Institution: Mayo Clinic,  
Rochester City: Rochester Project Title: Scan & Optimization of Decision Aids for Atrial Fibrillation (SODA-AF) Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$376,686



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MINNESOTA

Jin O-Uchi, MD, PhD

Program Type: Scientist Development Grant Institution: University of Minnesota, Minneapolis City: Minneapolis 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

MINNESOTA

Shivaram Poigai Arunachalam, BSE, BS, MS, MPH

Program Type: Postdoctoral Fellowship Institution: Mayo Clinic, Rochester City: Rochester Project Title: Cardiac Magnetic Resonance Elastography to Monitor Anti-Inflammatory Therapy After Acute Myocardial Infarction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

MINNESOTA

Paola Ramos, BS

Program Type: Predoctoral Fellowship Institution: Mayo Clinic, Rochester City: Rochester Project Title: The role of Free Fatty Acids in Muscle Insulin Resistance Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

MINNESOTA

Joshua Smith, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Mayo Clinic, Rochester City: Rochester Project Title: Respiratory Muscle-mediated Neural and Cardiovascular Consequences in Heart Failure with Preserved Ejection Fraction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

MINNESOTA

Glenn Stewart, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Mayo Clinic, Rochester City: Rochester Project Title: Unmasking right ventricular and pulmonary derangements with exercise and oxygen in early stage cardiopulmonary diseases Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

MINNESOTA

Daniel Weber, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: University of Minnesota, Minneapolis City: Minneapolis Project Title: Structural and functional role of phospholamban in dilated cardiomyopathy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456



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#### MINNESOTA

Sarah Wicher, PhD

Program Type: Postdoctoral Fellowship Institution: Mayo Clinic, Rochester City:  
Rochester Project Title: Proteostasis and Senescence in Asthma and Aging Award Start  
Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

#### MINNESOTA

Julia Willett, BS, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Minnesota, Minneapolis  
City: Minneapolis Project Title: A putative phosphatase regulates surface attachment  
and biofilm formation in *Enterococcus faecalis* Award Start Date: 1/1/2019 Award End  
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

#### MINNESOTA

Sara Zimmer, BS, BS, PhD

Program Type: Scientist Development Grant Institution: University of Minnesota,  
Minneapolis City: Minneapolis 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

#### MISSISSIPPI

Lorena Amaral, PharmD, MS, PhD

Program Type: Career Development Award Institution: University of Mississippi Medical  
Center City: Jackson 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

#### MISSISSIPPI

Bhavisha Bakrania, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Mississippi Medical  
Center City: Jackson Project Title: Soluble guanylyl cyclase as a therapeutic target for  
preeclampsia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2  
Total Award Amount: \$110,456

#### MISSISSIPPI

Gene Bidwell, PhD

Program Type: Transformational Project Award Institution: University of Mississippi  
Medical Center City: Jackson Project Title: A Maternally Sequestered, sFlt-1 Targeted  
Biologic for Treatment of Preeclampsia Award Start Date: 7/1/2019 Award End Date:  
6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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MISSISSIPPI

Joshua Bloomekatz, PhD, BS

Program Type: Career Development Award Institution: University of Mississippi,  
University City: University 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

MISSISSIPPI

Alejandro Chade, MD

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

MISSISSIPPI

Donald Clark, MD, MPH

Program Type: Career Development Award Institution: University of Mississippi Medical  
Center City: Jackson 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

MISSISSIPPI

Daniel Credeur, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:  
University of Southern Mississippi City: Hattiesburg Project Title: Targeting the  
Peripheral Vasculature through Intermittent Pneumatic Compression in Spinal Cord  
Injury Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award  
Amount: \$153,041

MISSISSIPPI

Mark Cunningham, PhD, BS

Program Type: Career Development Award Institution: University of Mississippi Medical  
Center City: Jackson 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

MISSISSIPPI

Gwendolyn Davis, BS

Program Type: Predoctoral Fellowship Institution: University of Mississippi Medical  
Center City: Jackson Project Title: Increased Blood Pressure in the Aging IUGR Female  
Rat Award Start Date: 7/1/2018 Award End Date: 8/31/2020 Total Years: 2 Total Award  
Amount: \$53,688



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MISSISSIPPI

Elena Dent, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Mississippi Medical Center City: Jackson Project Title: Renal hemodynamic mechanisms of hypertension during autoimmunity Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$53,688

MISSISSIPPI

Jeremy Duncan, PhD, MS

Program Type: Postdoctoral Fellowship Institution: University of Mississippi Medical Center City: Jackson Project Title: Role of Cytokines in Mediating Cerebrovascular Dysfunction in Placental Ischemia Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

MISSISSIPPI

Jason Engel, BSE

Program Type: Predoctoral Fellowship Institution: University of Mississippi Medical Center City: Jackson Project Title: A Novel Strategy for Treatment of Renovascular Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

MISSISSIPPI

Erika Guise, BS

Program Type: Predoctoral Fellowship Institution: University of Mississippi Medical Center City: Jackson Project Title: Renal angioplasty and therapeutic angiogenesis for renovascular hypertension Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

MISSISSIPPI

Bin Liu, MS, PhD

Program Type: Scientist Development Grant Institution: Mississippi State University, Mississippi State City: Mississippi State 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

MISSISSIPPI

Alan Mouton, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Mississippi Medical Center City: Jackson Project Title: Metabolic Dysfunction and Hypertension Effects on Post-MI Macrophage Physiology Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060



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#### MISSISSIPPI

Subhi Younes, BS

Program Type: Predoctoral Fellowship Institution: University of Mississippi Medical Center City: Jackson Project Title: The role of anti-angiogenic factors in cerebrovascular dysfunction of preeclampsia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

#### MISSOURI

Noemi Arias, PhD

Program Type: Postdoctoral Fellowship Institution: St. Louis University City: Saint Louis Project Title: The role of CIDE/C/27 on the metabolic fate of dietary lipids in the intestine Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

#### MISSOURI

Xiangping Chu, PhD, MD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Missouri, Kansas City City: Kansas City Project Title: Brain ASIC2a-containing channels contribute to acute ischemic brain injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

#### MISSOURI

Phillip Cuculich, MD, MD, MD

Program Type: Collaborative Sciences Award Institution: Washington University City: Saint Louis Project Title: EP-Guided Noninvasive Cardiac Radioablation for Ventricular Tachycardia (ENCORE-VT) Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$140,793

#### MISSOURI

Deepti Diwan, PhD

Program Type: Postdoctoral Fellowship Institution: Washington University, School of Medicine City: Saint Louis Project Title: NAMPT mediates hypoxic conditioning-induced DCI protection in SAH Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

#### MISSOURI

Kleiton Dos Santos Silva, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Missouri, Columbia City: Columbia Project Title: Determining the role of angiotensin II-regulated autophagy on skeletal muscle degeneration. Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456





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MISSOURI

Pirooz Eghtesady, PhD, MD

Program Type: Innovative Project Award Institution: Washington University City: Saint Louis Project Title: The Role of Maternal Virome in Development of Congenital Heart Diseases Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

MISSOURI

Daniel Forsha, BA, MD, MHSc

Program Type: Career Development Award Institution: Children's Mercy Hospitals and Clinics City: Kansas City 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

MISSOURI

Kristine Griffett, PhD

Program Type: Scientist Development Grant Institution: St Louis College of Pharmacy City: St Louis 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

MISSOURI

Laurel Grisanti, BA, PhD

Program Type: Scientist Development Grant Institution: University of Missouri, Columbia City: Columbia 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

MISSOURI

Andrew Hagan, BS

Program Type: Predoctoral Fellowship Institution: Washington University, School of Medicine City: Saint Louis Project Title: FGF18 signaling in lung alveologenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

MISSOURI

Panpan Hou, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Washington University City: Saint Louis Project Title: The AO state of KCNQ1 potassium channel can be a new anti-arrhythmic drug target Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456



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MISSOURI

Paul Li-Hao Huang, PhD

Program Type: Career Development Award Institution: Washington University, School of Medicine City: Saint Louis 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

MISSOURI

Nathaniel Huebsch, BS, PhD

Program Type: Career Development Award Institution: Washington University City: Saint Louis 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

MISSOURI

Princess Imoukhuede, PhD, BS

Program Type: Scientist Development Grant Institution: Washington University City: Saint Louis 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

MISSOURI

Xunlei Kang, MD, PhD

Program Type: Career Development Award Institution: University of Missouri, Columbia City: Columbia 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

MISSOURI

Kun-Eek Kil, PhD

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

MISSOURI

Hailun Li, BA

Program Type: Predoctoral Fellowship Institution: Washington University, School of Medicine City: Saint Louis Project Title: Manipulating Potassium Buffering by Glia for Neuroprotection from Ischemic Stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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MISSOURI

Diana Martinez, BA, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Missouri, Columbia  
City: Columbia Project Title: Role of glial transporters in Neurophysiology in Hypoxia  
Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award  
Amount: \$110,456

MISSOURI

Conor Mcclenaghan, BSC, DPhil

Program Type: Postdoctoral Fellowship Institution: Washington University City: Saint  
Louis Project Title: KATP Channel Dysfunction in Cantu Syndrome and Cardiovascular  
Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total  
Award Amount: \$106,532

MISSOURI

Joseph Merriman, PhD

Program Type: Postdoctoral Fellowship Institution: Washington University, School of  
Medicine City: Saint Louis Project Title: Pathogenic equilibrium: Mixed acid  
fermentation controls growth/damage balance. Award Start Date: 1/1/2019 Award End  
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

MISSOURI

Chia-Ling Phuah, BA, MB BCH, MSc

Program Type: Career Development Award Institution: Washington University, School of  
Medicine City: Saint Louis 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

MISSOURI

Alexander Polino, BA

Program Type: Predoctoral Fellowship Institution: Washington University, School of  
Medicine City: Saint Louis Project Title: Elucidating the role of Plasmodium N-terminal  
acetyltransferases in export of effectors into the host erythrocyte Award Start Date:  
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

MISSOURI

Clifford Robinson, BS, MD

Program Type: Collaborative Sciences Award Institution: Washington University City:  
Saint Louis Project Title: EP-Guided Noninvasive Cardiac Radioablation for Ventricular  
Tachycardia (ENCORE-VT) Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total  
Years: 3 Total Award Amount: \$596,185



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MISSOURI

Steven Segal, PhD

Program Type: Transformational Project Award Institution: University of Missouri, Columbia City: Columbia Project Title: Western diet-induced resilience of resistance arteries to oxidative stress Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MISSOURI

Hani Suleiman, PhD, MD

Program Type: Scientist Development Grant Institution: Washington University, School of Medicine City: Saint Louis 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

MISSOURI

Steven Van Doren, PhD

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

MISSOURI

Jessica Wagenseil, DSc

Program Type: Transformational Project Award Institution: Washington University City: Saint Louis Project Title: Extracellular matrix effects on biotransport in aortic disease Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MISSOURI

David Wang, PhD

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

MISSOURI

David Wang, PhD

Program Type: Transformational Project Award Institution: Washington University City: Saint Louis Project Title: Host factors critical for Coxsackievirus B3 infection: leveraging C. elegans genetics Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000



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#### MISSOURI

Kel Vin Woo, MD PhD, BSE

Program Type: Postdoctoral Fellowship Institution: Washington University City: Saint Louis Project Title: Protective Role of Endothelial Fibroblast Growth Factor Signaling in Group 3 Hypoxia-Induced Pulmonary Hypertension Award Start Date: 7/1/2018 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$122,960

#### MISSOURI

Tadashi Yoshida, BS, MS, PhD

Program Type: Transformational Project Award Institution: University of Missouri, Columbia City: Columbia Project Title: Skeletal Muscle Stem Cell Angiotensin II Receptors as Novel Therapeutic Targets of Cachexia in Congestive Heart Failure Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

#### MISSOURI

Peng Yuan, BS, PhD

Program Type: Scientist Development Grant Institution: Washington University City: Saint Louis 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

#### MONTANA

Xiaobo Wang, BSA, MSA

Program Type: Predoctoral Fellowship Institution: University of Montana, Missoula City: Missoula Project Title: The role of mRNA deadenylation in translational repression during development Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

#### NEBRASKA

Bin Duan, PhD

Program Type: Scientist Development Grant Institution: University of Nebraska Medical Center, Omaha City: Omaha 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

#### NEBRASKA

Xiaowei Li, PhD

Program Type: Career Development Award Institution: University of Nebraska Medical Center, Omaha City: Omaha 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



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NEBRASKA

Zachary Motz, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Nebraska at Omaha  
City: Omaha Project Title: Lower Inter-Limb Coordination in Chronic Stroke Survivors  
Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award  
Amount: \$53,688

NEBRASKA

Mukul Mukherjee, PhD, BSC

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:  
University of Nebraska at Omaha City: Omaha Project Title: Virtual Reality Augmented  
Gait Adaptation in Stroke Survivors Award Start Date: 4/1/2018 Award End Date:  
6/30/2020 Total Years: 2 Total Award Amount: \$154,000

NEBRASKA

Shyam Nandi, PhD, MSc, BSC

Program Type: Career Development Award Institution: University of Nebraska Medical  
Center, Omaha City: Omaha 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

NEBRASKA

Ryan Pedrigi, PhD

Program Type: Career Development Award Institution: University of Nebraska, Lincoln  
City: Lincoln 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

NEBRASKA

Gwendolyn Porter, BS, MSc

Program Type: Predoctoral Fellowship Institution: University of Nebraska Medical  
Center, Omaha City: Omaha Project Title: Identifying, adapting, and testing weight  
loss programs in rural primary care Award Start Date: 7/1/2018 Award End Date:  
6/30/2020 Total Years: 2 Total Award Amount: \$53,688

NEBRASKA

Jay Reddy, DVM, MSc, PhD

Program Type: Transformational Project Award Institution: University of Nebraska,  
Lincoln City: Lincoln Project Title: Prevention of viral cardiomyopathy and insulinitis by  
vaccination Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total  
Award Amount: \$300,000



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#### NEBRASKA

Changhai Tian, PhD, MS

Program Type: Career Development Award Institution: University of Nebraska Medical Center, Omaha City: Omaha 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

#### NEVADA

Richard Brizendine, BS

Program Type: Predoctoral Fellowship Institution: University of Nevada, Reno City: Reno Project Title: Mechanochemistry of myosin II filaments in vitro Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

#### NEW HAMPSHIRE

Philip Goodney, BS, MD, MS

Program Type: Strategically Focused Research Network Institution: Dartmouth College City: Hanover Project Title: Integrated management strategies to reduce amputation and limit disparities for patients with diabetes and CLI Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,042,800

#### NEW JERSEY

Olga Boukrina, PhD, BA

Program Type: Scientist Development Grant Institution: Kessler Foundation City: West Orange 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

#### NEW JERSEY

Chuanlong Cui, MS, BS

Program Type: Predoctoral Fellowship Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick Project Title: Mechanism and function of NO-induced disulfide switches in soluble guanylyl cyclase Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

#### NEW JERSEY

Peter Galie, BS, MS, PhD

Program Type: Scientist Development Grant Institution: Rowan University City: Glassboro 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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NEW JERSEY

Olga Ilnytska, MSc, PhD

Program Type: Career Development Award Institution: Rutgers, The State University of New Jersey City: New Brunswick 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

NEW JERSEY

Mauricio Alejandro Lillo Gallardo, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick Project Title: S-nitrosylation of connexin 43 underlies cardiac arrhythmias in muscular dystrophy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

NEW JERSEY

Risa Mukai, PhD

Program Type: Postdoctoral Fellowship Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick Project Title: Increasing the level of arginine methylation correlates with ischemia-induced autophagy in the heart Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

NEW JERSEY

Gihoon Nah, PhD

Program Type: Postdoctoral Fellowship Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick Project Title: The dichotomous function of FoxO1 during prolonged ischemia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

NEW JERSEY

Michinari Nakamura, MD

Program Type: Scientist Development Grant Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick 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

NEW JERSEY

Shinichi Oka, PhD, MS, BS

Program Type: Transformational Project Award Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick Project Title: Pathogenic role of cardiomyocyte-initiating inflammatory signaling in diastolic heart failure Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000





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NEW JERSEY

Lai-Hua Xie, PhD

Program Type: Transformational Project Award Institution: Rutgers, The State University of New Jersey, RBHS City: New Brunswick Project Title: The Role of Mitochondria in Cardiac Iron Overload and Dysfunction Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NEW JERSEY

Xiaoyang Xu, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: New Jersey Institute of Technology City: Newark Project Title: Improving Post-MI Cardiac Function via Delivery of MydGF using an Injectable and Fluorescent Polyester-Based Hydrogel Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

NEW JERSEY

Zhen Yan, PhD

Program Type: Postdoctoral Fellowship Institution: Princeton University City: Princeton Project Title: Structural study of Cav1.2 and RyR2 Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532