



American Heart Association Awardees in Alpha Order by State

Last Update: August 2019

[NEW MEXICO](#) • [NEW YORK](#) • [NORTH CAROLINA](#) • [NORTH DAKOTA](#) •
[OHIO](#) • [OKLAHOMA](#) • [OREGON](#) • [PENNSYLVANIA](#) • PUERTO RICO* •
[RHODE ISLAND](#)

**No current awardees*

NEW MEXICO

Dawn Delfin, BA, MS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of New Mexico - Health Sciences Center City: Albuquerque Project Title: ABI3BP in the heart: a modulator of cardiac stem cell adhesion and differentiation Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

NEW MEXICO

Laura Gonzalez Bosc, BA, PhD

Program Type: Transformational Project Award Institution: University of New Mexico - Health Sciences Center City: Albuquerque Project Title: Novel collagen V-reactive natural TH17 cells in hypoxic pulmonary hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NEW MEXICO

Jessica Snow, BS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: New Mexico Highlands University City: Las Vegas Project Title: Role of GPER in Mechanisms of Pulmonary Hypertension Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

NEW YORK

Marwah Abdalla, MD

Program Type: AHA-AMFDP Scholar Institution: Columbia University, New York City: New York Project Title: The Association of Sleep Architecture with Blood Pressure Dipping Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$420,000



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NEW YORK

Andisheh Abedini, PhD

Program Type: Scientist Development Grant Institution: SUNY, Stony Brook City: Stony Brook 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

NEW YORK

Brooke Aggarwal, EdD

Program Type: Strategically Focused Research Network Institution: Columbia University, New York City: New York Project Title: Sleep and cardiometabolic risk in different life stages in a diverse population of women Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,153,156

NEW YORK

Michael Airola, BA, MS, PhD

Program Type: Scientist Development Grant Institution: SUNY, Stony Brook City: Stony Brook 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

NEW YORK

Chrystian Alves, PhD

Program Type: Postdoctoral Fellowship Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: Tet3-mediated epigenetic regulation of NPC homeostasis and cortical development after hypoxia in human cerebral organoid Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Kelly Anderson, PhD

Program Type: Postdoctoral Fellowship Institution: University of Rochester Medical Center City: Rochester Project Title: The micropeptide Endoregulin controls SERCA activity in the vascular endothelium and systolic blood pressure in mice Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

David Auerbach, PhD

Program Type: Career Development Award Institution: University of Rochester Medical Center City: Rochester Project Title: Mechanisms for Arrhythmias and Seizures in Long QT Syndrome Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000



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NEW YORK

Yongho Bae, BS, MS, PhD

Program Type: Career Development Award Institution: Research Foundation of SUNY
City: Amherst Project Title: Mechanotransduction in Vascular Smooth Muscle: Survivin
as a Mediator of Stiffness-Induced Responses Award Start Date: 7/1/2018 Award End
Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Tessa Barrett, BSC, PhD

Program Type: Career Development Award Institution: New York University School of
Medicine City: New York Project Title: Platelet-regulated pathways linked to plaque
inflammation and elevated atherosclerotic disease risk Award Start Date: 7/1/2018
Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Jonathan Bartko, BS

Program Type: Predoctoral Fellowship Institution: University of Rochester Medical
Center City: Rochester Project Title: BDNF-TrkB Regulation of ER-Dependent Death in
the Peri-Ischemic Cortex Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$53,688

NEW YORK

John Bennett, PhD, BSC, AA, MS

Program Type: Postdoctoral Fellowship Institution: University of Rochester Medical
Center City: Rochester Project Title: Exploring the role of Slc44a2 in thrombosis Award
Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount:
\$110,456

NEW YORK

Jeffrey Berger, MS, MD

Program Type: Strategically Focused Research Network Institution: New York University
School of Medicine City: New York Project Title: Comprehensive assessment of platelet
activity in women with myocardial infarction Award Start Date: 4/1/2016 Award End
Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,011,092

NEW YORK

Brandon Berry, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Rochester Medical
Center City: Rochester Project Title: Optogenetic control of mitochondrial function to
protect against ischemia reperfusion injury Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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NEW YORK

Scott Cameron, MD PhD, MS, BSC

Program Type: Collaborative Sciences Award Institution: University of Rochester Medical Center City: Rochester Project Title: Modeling platelet-mediated cortical ischemia to develop next-gen antiplatelet agents for stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$52,023

NEW YORK

Jingli Cao, PhD

Program Type: Career Development Award Institution: Weill Medical College of Cornell University City: New York Project Title: Dissecting the mechanisms of epicardium-guided heart regeneration Award Start Date: 7/1/2018 Award End Date: 9/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Marina Cerrone, MD

Program Type: Transformational Project Award Institution: New York University City: New York Project Title: EXOGENOUS FACTORS IN THE ARRHYTHMOGENIC CARDIOMYOPATHY PHENOTYPE Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Angel Chan, BS, MD PhD

Program Type: Career Development Award Institution: Memorial Sloan Kettering Cancer Center City: New York Project Title: Mechanisms of trastuzumab-induced cardiotoxicity in patient specific iPSC-derived cardiomyocytes Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Bijun Chen, PhD, MD

Program Type: Postdoctoral Fellowship Institution: Albert Einstein College of Medicine City: Bronx Project Title: Regulation of macrophage phenotype in the infarcted myocardium Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Shuibing Chen, PhD

Program Type: Collaborative Sciences Award Institution: Weill Medical College of Cornell University City: New York Project Title: Identification of Genetic Variants Associated with Anthracycline-related Cardiotoxicity Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$187,501



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NEW YORK

Yun Chen, PhD

Program Type: Scientist Development Grant Institution: Albert Einstein College of Medicine City: Bronx 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

NEW YORK

Didar Ciftci, BS

Program Type: Predoctoral Fellowship Institution: Weill Medical College of Cornell University City: New York Project Title: UNPINNING RATE LIMITING STEPS AND ALLOSTERIC ACTIVATION IN EUKARYOTIC AMINO ACID TRANSPORTERS Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Amedee Des Georges, PhD, MS, BS

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

NEW YORK

Kavya Devarakonda, BS

Program Type: Predoctoral Fellowship Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: Role of Amygdala Glucose-Sensing Neurons in Feeding and Obesity Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Bijan Dey, BSc, MSc, MSc, PhD

Program Type: Scientist Development Grant Institution: University at Albany, SUNY City: Albany 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

NEW YORK

Layne Dylla, BS, MD PhD

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



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NEW YORK

Todd Evans, PhD

Program Type: Collaborative Sciences Award Institution: Weill Medical College of Cornell University City: New York Project Title: Identification of Genetic Variants Associated with Anthracycline-related Cardiotoxicity Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$187,500

NEW YORK

Krista Fjeld, BS

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook Project Title: Optimizing Gait Propulsion Training in People with Stroke Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Yoichi Furuya, PhD

Program Type: Scientist Development Grant Institution: Albany Medical Center City: Albany 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

NEW YORK

Ping Gao, BS, MS

Program Type: Predoctoral Fellowship Institution: Albany Medical College City: Albany Project Title: Role of MRTFA in Vascular Smooth Muscle Pathology and Aneurysm Formation Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Michael Garshick, BA, MD

Program Type: Career Development Award Institution: New York University School of Medicine City: New York Project Title: The Evaluation of Endothelial and Platelet Dysfunction in Those with Psoriasis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Evrpidis Gavathiotis, PhD

Program Type: Strategic Renewal Grant Institution: Albert Einstein College of Medicine City: Bronx Project Title: Creating Novel Drugs to Protect the Heart Against Cancer Therapies Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$246,766



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NEW YORK

Ira Goldberg, MD

Program Type: Strategically Focused Research Network Institution: New York University School of Medicine City: New York Project Title: Obesity, Inflammation and Cardiovascular Risk Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$798,979

NEW YORK

Ilan Goldenberg, MD

Program Type: Strategically Focused Research Network Institution: University of Rochester Medical Center City: Rochester Project Title: Sex-Specific Risk for QTc Prolongation and Arrhythmic Events in Congenital Long QT Syndrome and Drug-Induced LQTS Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$1,094,488

NEW YORK

Young-Hwa Goo, PhD, MS, BS

Program Type: Transformational Project Award Institution: Albany Medical College City: Albany Project Title: Investigation of Guanylate Binding Proteins as a novel regulator of inflammation in atherosclerosis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Parag Goyal, MD, MSc

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

NEW YORK

Julien Grondin, BS, MS, PhD

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

NEW YORK

Vivek Gupta, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: St. John's University City: Queens Project Title: Novel Therapies for Pulmonary Hypertension: Mechanism based Drug Repositioning for Superior Therapeutic



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Outcomes Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

NEW YORK

Lahouaria Hadri, PhD

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

NEW YORK

Marc Halterman, PhD, MD

Program Type: Collaborative Sciences Award Institution: University of Rochester Medical Center City: Rochester Project Title: Modeling platelet-mediated cortical ischemia to develop next-gen antiplatelet agents for stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$479,428

NEW YORK

Marc Halterman, PhD, MD

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

NEW YORK

Plansky Hoang, BS

Program Type: Predoctoral Fellowship Institution: Syracuse University City: Syracuse Project Title: Engineering cardiac organoids for embryotoxicity screening Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Judith Hochman, MA, MD

Program Type: Strategically Focused Research Network Institution: New York University School of Medicine City: New York Project Title: NYU Women's Heart Attack Research Program Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$580,800

NEW YORK

Jaime Hook, BS, MD

Program Type: Fellow-to-Faculty Transition Award Institution: Columbia University, New York City: New York Project Title: Pulmonary Microvascular Responses to



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Methicillin-Resistant Staphylococcus aureus Lung Infection Award Start Date: 7/1/2016
Award End Date: 6/30/2021 Total Years: 5 Total Award Amount: \$593,000

NEW YORK

Claudio Humeres, BS, PharmD, PhD

Program Type: Postdoctoral Fellowship Institution: Albert Einstein College of Medicine
City: Bronx Project Title: Cell-specific effects of Smad7 in repair and remodeling of the
infarcted heart Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$104,060

NEW YORK

Norihiro Imai, MD PhD

Program Type: Postdoctoral Fellowship Institution: Weill Medical College of Cornell
University City: New York Project Title: Muscle-specific metabolic regulation by
thioesterase superfamily member 2 (Them2) Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Kiyotake Ishikawa, MD

Program Type: Scientist Development Grant Institution: Icahn School of Medicine at
Mount Sinai City: New York 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

NEW YORK

Pattana Jaroenlak, PhD

Program Type: Postdoctoral Fellowship Institution: New York University School of
Medicine City: New York Project Title: Ultrastructure and mechanism of the harpoon-like
invasion machinery in microsporidian parasites Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

NEW YORK

Sanja Jelic, MD

Program Type: Strategically Focused Research Network Institution: Columbia
University, New York City: New York Project Title: The Effects of Sleep Restriction on
Endothelial Activation in Pre- and Post-Menopausal Women Award Start Date: 4/1/2016
Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$896,117

NEW YORK

Megan Jones, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Research Foundation of SUNY City:



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Amherst Project Title: Modulation of Aortic Endothelial Cell Signaling and Function by Oral Bacteria Award Start Date: 1/1/2019 Award End Date: 1/31/2021 Total Years: 2 Total Award Amount: \$110,456

NEW YORK

Tatjana Josefs, BSc, MSc

Program Type: Predoctoral Fellowship Institution: New York University School of Medicine City: New York Project Title: Effects of triglycerides & diabetes on HDL function in atherosclerosis regression Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Jolaade Kalinowski, EdD

Program Type: Postdoctoral Fellowship Institution: New York University School of Medicine City: New York Project Title: Stress Management for Black Women with High Blood Pressure: Evaluating Effects of Mindfulness Training on CVD Risk Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Valerie Khayyo, BA

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook Project Title: Structural Determination of Lipins: A Phosphatidic Acid Phosphatase in the Triglyceride Metabolism Pathway Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Chang Won Kho, BA, MS, PhD

Program Type: Transformational Project Award Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: SUMO1 as New Molecular Target for Aging Heart Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Kyeong Jin Kim, PhD

Program Type: Scientist Development Grant Institution: Columbia University, New York City: New York 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

NEW YORK

Richard Kitsis, MD



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Program Type: Strategic Renewal Grant Institution: Albert Einstein College of Medicine
City: Bronx Project Title: Creating Novel Drugs to Protect the Heart Against Cancer
Therapies Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$253,234

NEW YORK

Alexandros Kokkosis, BS, MS

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook
Project Title: Inflammatory Responses Induce Cerebrovascular Disease during Major
Depressive Disorder Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years:
2 Total Award Amount: \$53,688

NEW YORK

Chaitanya Kulkarni, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Rochester Medical
Center City: Rochester Project Title: Role of acidosis in PARP-1 inhibition mediated
cardioprotection. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$104,060

NEW YORK

Jackson Kyle, BA

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook
Project Title: Pharmacological Ablation of Microglia Modulates Adult Neurogenesis
After Ischemic Stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$53,688

NEW YORK

Stephanie Lau, BA

Program Type: Predoctoral Fellowship Institution: New York University School of
Medicine City: New York Project Title: Molecular control of chemokine-guided cell
migration Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total
Award Amount: \$53,688

NEW YORK

Wei Ting Chelsea Lee, BS

Program Type: Predoctoral Fellowship Institution: New York University School of
Medicine City: New York Project Title: Direct visualization of G4 DNA metabolism at
replication forks via Super-Resolution Microscopy Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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NEW YORK

Lingfeng Luo, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Rochester Medical Center City: Rochester Project Title: The Role of PDE10A in Vascular Smooth Muscle Cells and Intimal Hyperplasia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Nour Makarem, PhD, MS

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

NEW YORK

Alejandro Martin Trujillo, BScN, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: Epigenetic defects in congenital heart defects Award Start Date: 7/1/2018 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

NEW YORK

Alexander Merkler, BS, MD

Program Type: Career Development Award Institution: Weill Medical College of Cornell University City: New York Project Title: Unrecognized Myocardial Infarction May Be A Novel Risk Factor For Ischemic Stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Ana Mesquita, PhD, MSc, BSc

Program Type: Postdoctoral Fellowship Institution: Albert Einstein College of Medicine City: Bronx Project Title: Regulation of endosomal Microautophagy by cellular stress. Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

NEW YORK

Lianjie Miao, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Albany Medical College City: Albany Project Title: Mechanisms of CDC42 mediated trabecular initiation and cardiomyocyte proliferation Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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NEW YORK

Kathleen Miller-Rhodes, BS

Program Type: Predoctoral Fellowship Institution: University of Rochester Medical Center City: Rochester Project Title: Lung-brain coupling regulates neurovascular unit responses to stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Samia Mohammed, MA, BA

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook Project Title: The role of neutral sphingomyelinase 2 in doxorubicin induced cardiotoxicity Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Craig Morrell, DVM, PhD

Program Type: Collaborative Sciences Award Institution: University of Rochester Medical Center City: Rochester Project Title: Modeling platelet-mediated cortical ischemia to develop next-gen antiplatelet agents for stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$55,479

NEW YORK

Lori Mosca, PhD, MD, MPH

Program Type: Strategically Focused Research Network Institution: Columbia University, New York City: New York Project Title: Sleep and Cardiovascular Risk Across Women's Life Stages Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$580,800

NEW YORK

Laura Musselman, BS, PhD

Program Type: Scientist Development Grant Institution: SUNY, Binghamton City: Binghamton 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

NEW YORK

Bradley Nilsson, PhD

Program Type: Collaborative Sciences Award Institution: University of Rochester Medical Center City: Rochester Project Title: Modeling platelet-mediated cortical ischemia to develop next-gen antiplatelet agents for stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$163,070



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NEW YORK

Hiroko Nomaru, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: Albert Einstein College of Medicine
City: Bronx Project Title: Analysis of Tbx1 function in second heart field cell lineage,
which contribute to 22q11.2 deletion syndrome Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

NEW YORK

Huize Pan, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Columbia University, New York City:
New York Project Title: Human VSMC mechanisms of action of ADAMTS7 locus for CAD
Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award
Amount: \$106,532

NEW YORK

Jinjiang Pang, MD PhD, MD

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

NEW YORK

Antonio Paul, PhD

Program Type: Transformational Project Award Institution: Albany Medical Center City:
Albany Project Title: Mechanisms of atheroprotection and plaque stabilization by lipid
droplet-associated hydrolase Award Start Date: 7/1/2018 Award End Date: 6/30/2021
Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Evgeny Pavlov, PhD

Program Type: Transformational Project Award Institution: New York University City:
New York Project Title: Misfolded proteins as core components of the mitochondrial
permeability transition. Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total
Years: 3 Total Award Amount: \$300,000

NEW YORK

Pablo Peixoto, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Baruch College City: New York Project Title: Mitochondrial ROS in Synaptic Plasticity
Award Start Date: 4/1/2018 Award End Date: 3/31/2020 Total Years: 2 Total Award
Amount: \$154,000



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NEW YORK

Pearl Quijada, BS, MS, PhD

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

NEW YORK

Sujith Rajan, PhD, MSc, BSc

Program Type: Postdoctoral Fellowship Institution: NYU Winthrop Hospital City: Mineola Project Title: Role Of Microsomal Triglyceride Transfer Protein In Adipose Tissue Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Xavier Rambout, MSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Rochester Medical Center City: Rochester Project Title: PGC-1 α couples transcriptional and co/post-transcriptional responses to hypoxia and promotes migration of VSMCs Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

NEW YORK

Harmony Reynolds, MD

Program Type: Strategically Focused Research Network Institution: New York University School of Medicine City: New York Project Title: Mechanistic insights into Myocardial Infarction with Non-Obstructive Coronary Artery disease (The MINOCA study) Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,319,844

NEW YORK

Dario Riascos Bernal, PhD, MD

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

NEW YORK

Irene Rodriguez Sanchez, BS, MBA, MS

Program Type: Predoctoral Fellowship Institution: University of Rochester Medical Center City: Rochester Project Title: Cytomegalovirus Mediated Metabolic Reprogramming Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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NEW YORK

Marcello Rota, PhD

Program Type: Transformational Project Award Institution: New York Medical College
City: Valhalla Project Title: Notch Signaling and Window of Opportunity for the
Remodeling of the Infarcted Heart Award Start Date: 7/1/2019 Award End Date:
6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Raghavendar Reddy Sanganna Gari, PhD

Program Type: Postdoctoral Fellowship Institution: Weill Medical College of Cornell
University City: New York Project Title: Molecular level characterization of
conformational changes in TRPV2 channel triggered by therapeutic agents and lipids
Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award
Amount: \$110,456

NEW YORK

Yassine Sassi, PhD

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

NEW YORK

Yassine Sassi, PhD

Program Type: Scientist Development Grant Institution: Icahn School of Medicine at
Mount Sinai City: New York 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

NEW YORK

Philipp Schmidpeter, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Weill Medical College of Cornell
University City: New York Project Title: Molecular determinants of the modulation of
HCN pacemaker channels by cAMP Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$110,456

NEW YORK

Ann Marie Schmidt, MD

Program Type: Strategically Focused Research Network Institution: New York University
School of Medicine City: New York Project Title: Braking Inflammation in Obesity &
Metabolic Dysfunction: Translational and Therapeutic Opportunities Award Start Date:
4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$580,800



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NEW YORK

Ann Marie Schmidt, MD

Program Type: Strategically Focused Research Network Institution: New York University School of Medicine City: New York Project Title: RAGE/DIAPH1: Inflammation and Suppression of Energy Expenditure in Obesity - Mechanisms and Therapeutic Strategies Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$970,497

NEW YORK

Victor Schuster, MD

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

NEW YORK

Mary Sevick, ScD

Program Type: Strategically Focused Research Network Institution: New York University School of Medicine City: New York Project Title: Alternative technology-supported behavioral weight loss intervention programs Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$1,358,924

NEW YORK

Manish Shah, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Albany College of Pharmacy City: Albany Project Title: Genetic and Structural Determinants of Warfarin and Losartan Binding to Cytochrome P450 2C9 Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

NEW YORK

Monika Sharma, PhD

Program Type: Postdoctoral Fellowship Institution: New York University School of Medicine City: New York Project Title: Role of regulatory T cells in the atherosclerosis regression and inflammatory resolution Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

NEW YORK

Jia Shen, BS, MS

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook Project Title: The study of functional hyperemia in adult hippocampal neurogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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NEW YORK

Lijie Shi, MS, BS

Program Type: Predoctoral Fellowship Institution: Albert Einstein College of Medicine
City: Bronx Project Title: Tissue specific functions of Crk and Crkl in mouse cardiac
outflow tract formation. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total
Years: 2 Total Award Amount: \$53,688

NEW YORK

Yuichi Shimada, MD, MPH

Program Type: Career Development Award Institution: Columbia University, New York
City: New York Project Title: Bariatric Surgery and Acute Cardiovascular Events: Analysis
of Two Complementary Databases Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Nicholas Sibinga, MD

Program Type: Transformational Project Award Institution: Albert Einstein College of
Medicine City: Bronx Project Title: The FAT1 cadherin in vascular remodeling Award Start
Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Tanya Spruill, PhD, MS

Program Type: Strategically Focused Research Network Institution: New York University
School of Medicine City: New York Project Title: Telephone-Based Stress Management
For Women With Myocardial Infarction Award Start Date: 4/1/2016 Award End Date:
3/31/2020 Total Years: 4 Total Award Amount: \$797,464

NEW YORK

Elisabeth Steadman, BA

Program Type: Predoctoral Fellowship Institution: SUNY, Stony Brook City: Stony Brook
Project Title: Numerical Modeling of Coronary Thrombosis Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Kathryn Stein, BA

Program Type: Predoctoral Fellowship Institution: Icahn School of Medicine at Mount
Sinai City: New York Project Title: Deciphering the role of a novel cytomegalovirus entry
factor in physiological relevant cell types Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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NEW YORK

Francesca Stillitano, BS, PhD

Program Type: Scientist Development Grant Institution: Icahn School of Medicine at Mount Sinai City: New York 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

NEW YORK

Francesca Stillitano, BS, PhD

Program Type: Transformational Project Award Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: Pathophysiological mechanism of Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) caused by Phospholamban R14 delet Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NEW YORK

Marie-Pierre St-Onge, BS, MSc, PhD

Program Type: Strategic Collaborative Grant Institution: Columbia University, New York City: New York Project Title: Timing of Sleep and of Food Intake in Obese Patients with HFpEF Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$13,608

NEW YORK

Marie-Pierre St-Onge, BS, MSc, PhD

Program Type: Strategically Focused Research Network Institution: Columbia University, New York City: New York Project Title: Impact of sleep restriction on cardiometabolic risk factors in pre- vs postmenopausal women Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,079,127

NEW YORK

Mandy Van Leent, MD

Program Type: Predoctoral Fellowship Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: Inhibition of trained immunity in atherosclerosis and ischemic heart disease. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Coen Van Solingen, PhD, MSc, BSc

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



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NEW YORK

Meera Varshneya, BSE

Program Type: Predoctoral Fellowship Institution: Icahn School of Medicine at Mount Sinai City: New York Project Title: Combining systems pharmacology modeling with machine learning to identify groups at risk of drug-induced arrhythmia Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Burcu Vitrinel, BSC, MSc

Program Type: Predoctoral Fellowship Institution: New York University City: New York Project Title: Regulation of cardiopharyngeal development - moving beyond transcription Award Start Date: 7/1/2018 Award End Date: 8/30/2020 Total Years: 2 Total Award Amount: \$53,688

NEW YORK

Maud Voisin, PhD

Program Type: Postdoctoral Fellowship Institution: New York University School of Medicine City: New York Project Title: LXR alpha phosphorylation regulates atherosclerosis and obesity Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Brian Weil, PhD, MS, BS

Program Type: Scientist Development Grant Institution: Research Foundation of SUNY City: Amherst 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

NEW YORK

Ada Weinstock, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: New York University School of Medicine City: New York Project Title: Regulation of atherosclerosis regression and macrophage polarization by a novel Wnt-STAT3 axis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Robert Winchester, MD

Program Type: Transformational Project Award Institution: Columbia University, New York City: New York Project Title: Identification of Immunological Mechanisms Targeting the Myocardium in Rheumatoid Arthritis 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 YORK

Jiangbin Wu, PhD, BS

Program Type: Postdoctoral Fellowship Institution: University of Rochester Medical Center City: Rochester Project Title: Cracking function and mechanism of EPRS as a therapeutic target for cardiac fibrosis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

NEW YORK

Suowen Xu, BS, PhD

Program Type: Career Development Award Institution: University of Rochester Medical Center City: Rochester Project Title: Role of coronary artery disease risk gene JCAD in endothelial function and atherosclerosis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Pradeep Yadav, PhD

Program Type: Postdoctoral Fellowship Institution: NYU Winthrop Hospital City: Mineola Project Title: MicroRNA-30c analogs for the treatment of hyperlipidemia and atherosclerosis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NEW YORK

Wei Zhang, BS, PhD

Program Type: Career Development Award Institution: Albany Medical Center City: Albany Project Title: A novel gene pair of IL-8 and its opposingly transcribed neighbor gene lncRNA KILN in vascular disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NEW YORK

Ze Zheng, MBBS, PhD

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

NEW YORK

Kristen Zuloaga, BA, PhD

Program Type: Scientist Development Grant Institution: Albany Medical College City: Albany 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



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NORTH CAROLINA

Sarah Armstrong, MD

Program Type: Strategically Focused Research Network Institution: Duke University
Durham City: Durham Project Title: A randomized trial of an integrated clinic-
community intervention in children and adolescents with obesity Award Start Date:
7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$1,500,835

NORTH CAROLINA

Danielle Berlin, BA

Program Type: Predoctoral Fellowship Institution: University of North Carolina, Chapel
Hill City: Chapel Hill Project Title: Centrosome Number as a Regulator of Endothelial
Cell-Cell Junctions and Lumenization Award Start Date: 1/1/2019 Award End Date:
6/30/2021 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Michael Bressan, PhD

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

NORTH CAROLINA

Mark Chappell, PhD

Program Type: Transformational Project Award Institution: Wake Forest University
Health Sciences City: Winston Salem Project Title: Endocannabinoid-Angiotensin
Systems in Diabetic Hypertension Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Ke Cheng, PhD, BS

Program Type: Established Investigator Award Institution: North Carolina State
University City: Raleigh Project Title: Engineer Artificial Exosomes for Treating
Myocardial Infarction Award Start Date: 4/1/2019 Award End Date: 3/31/2024 Total
Years: 5 Total Award Amount: \$400,000

NORTH CAROLINA

Ke Cheng, PhD, BS

Program Type: Transformational Project Award Institution: North Carolina State
University City: Raleigh Project Title: Restoring exosome functions in post-MI hearts by
modulating miR-21 Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3
Total Award Amount: \$299,462



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NORTH CAROLINA

Mitchel Colebank, BS

Program Type: Predoctoral Fellowship Institution: North Carolina State University City: Raleigh Project Title: Quantification of hemodynamic and geometric parameters in pulmonary hypertension Award Start Date: 1/1/2019 Award End Date: 12/21/2020 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Marc Cook, PhD

Program Type: Career Development Award Institution: North Carolina A&T State University, Greensboro City: Greensboro Project Title: Effect of Exercise Training on Gut Dysbiosis and Hypertension in African Americans Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NORTH CAROLINA

Steven Crowley, MD

Program Type: Transformational Project Award Institution: Duke University Durham City: Durham Project Title: The interleukin-1 receptor modulates blood pressure and renal tubular injury Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Michael Daniele, BS, PhD

Program Type: Transformational Project Award Institution: North Carolina State University City: Raleigh Project Title: Pre-Vascularization of Cardiac Stem Cell Patches Improves Heart Regeneration Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Lauren Davey, PhD, MSc, BS

Program Type: Postdoctoral Fellowship Institution: Duke University Medical Center City: Durham Project Title: Genetic analysis of a beneficial gut bacterium Award Start Date: 7/1/2018 Award End Date: 9/30/2020 Total Years: 2 Total Award Amount: \$106,532

NORTH CAROLINA

Lisandra De Castro Bras, PhD, BSC

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: East Carolina University City: Greenville Project Title: Collagen peptides as biomarkers of heart failure Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000



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NORTH CAROLINA

Adam Devore,

Program Type: Strategically Focused Research Network Institution: Duke University
Durham City: Durham Project Title: Improving Population Health for Patients with
Diabetes and Heart Failure (IMPACT-HF) Award Start Date: 7/1/2016 Award End Date:
6/30/2020 Total Years: 4 Total Award Amount: \$745,719

NORTH CAROLINA

Alexander Fanaroff, BA

Program Type: Fellow-to-Faculty Transition Award Institution: Duke University Durham
City: Durham Project Title: Understanding the implications of ICU utilization for stable
NSTEMI patients Award Start Date: 7/1/2017 Award End Date: 6/30/2023 Total Years: 5
Total Award Amount: \$592,290

NORTH CAROLINA

Michael Felker, MD, MHSc

Program Type: Strategically Focused Research Network Institution: Duke University
Medical Center City: Durham Project Title: Duke Center for Heart Failure and Diabetes
Research Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total
Award Amount: \$746,150

NORTH CAROLINA

Michael Felker, MD, MHSc

Program Type: Strategically Focused Research Network Institution: Duke University
Medical Center City: Durham Project Title: A randomized trial of a mobile health
behavioral intervention in patients with heart failure and diabetes mellitus Award Start
Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount:
\$1,601,884

NORTH CAROLINA

Jimena Giudice, BS, MEd, PhD

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

NORTH CAROLINA

Gabriel Grilo, BS

Program Type: Predoctoral Fellowship Institution: East Carolina University City:
Greenville Project Title: Collagen-derived matricryptin p1158/59: mechanisms and
therapeutic potential post myocardial infarction Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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NORTH CAROLINA

Paul Grimsrud, PhD, BA

Program Type: Career Development Award Institution: Duke University Medical Center
City: Durham Project Title: A Systems Biology Approach for Exploring the Role of PDK4
in Mediating Mitochondrial Remodeling in the Heart Award Start Date: 7/1/2018 Award
End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NORTH CAROLINA

Steven Grover, BSC, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel
Hill City: Chapel Hill Project Title: Determining the mechanisms by which PAR1 enhances
doxorubicin-induced cardiac injury Award Start Date: 1/1/2019 Award End Date:
12/31/2020 Total Years: 2 Total Award Amount: \$114,368

NORTH CAROLINA

Aspen Gutgsell, BS

Program Type: Predoctoral Fellowship Institution: University of North Carolina, Chapel
Hill City: Chapel Hill Project Title: Novel Cyclic Peptides Targeting Angiotensin-like
Protein 4 for the Treatment of Hypertriglyceridemia Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Ulrike Hoffmann, MD, PhD

Program Type: Collaborative Sciences Award Institution: Duke University Durham City:
Durham Project Title: Decrypting the Role of Epinephrine on Brain Function after
Cardiac Arrest in Mice Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total
Years: 3 Total Award Amount: \$109,128

NORTH CAROLINA

Corey Kalbaugh, BS, MS, MA, PhD

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

NORTH CAROLINA

Joern Karhausen, MD

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



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NORTH CAROLINA

Raju Khatri, MSc, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: PREDICTING MATERNAL CHANGES IN ANTIHYPERTENSIVE DRUG METABOLISM AND EXPOSURE DURING PREGNANCY Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

NORTH CAROLINA

Son Le, BS, AA

Program Type: Predoctoral Fellowship Institution: Duke University Medical Center City: Durham Project Title: Investigate the Molecular Mechanism of TMEM16A Ca²⁺-activated Chloride Channel Desensitization Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Jennifer Li, MD, MHSc

Program Type: Strategically Focused Research Network Institution: Duke University Durham City: Durham Project Title: Duke Center for Pediatric Obesity Research Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$800,800

NORTH CAROLINA

Jiandong Liu, PhD

Program Type: Transformational Project Award Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Metabolic regulation of cardiac growth Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Xiaohan Lu, PhD

Program Type: Postdoctoral Fellowship Institution: Duke University Medical Center City: Durham Project Title: Dendritic cells activate pro-hypertensive T cells to drive sodium reabsorption in kidney Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

NORTH CAROLINA

Hong Ma, MD, PhD

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



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NORTH CAROLINA

Christopher Mack, PhD

Program Type: Medical Student Research Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: UNC medical/professional student summer cardiovascular research training program Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total Years: 3 Total Award Amount: \$60,000

NORTH CAROLINA

Linda May, PhD, MS

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

NORTH CAROLINA

Emily Mihalko, BS

Program Type: Predoctoral Fellowship Institution: North Carolina State University City: Raleigh Project Title: Dual-delivery nanogels for targeted treatment of myocardial infarction Award Start Date: 7/1/2018 Award End Date: 12/30/2020 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Francis Miller, BS, MD

Program Type: Transformational Project Award Institution: Duke University Medical Center City: Durham Project Title: Extracellular Histones and Sepsis-induced Cardiomyopathy Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Erica Peters, PhD, MS

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Targeted, Niche-Responsive Peptide Amphiphile Nanofibers as Injectable Drug Delivery Vehicles to Treat Atherosclerosis Award Start Date: 7/1/2018 Award End Date: 9/30/2020 Total Years: 2 Total Award Amount: \$104,060

NORTH CAROLINA

Kenneth Poss, PhD

Program Type: Merit Award Institution: Duke University Durham City: Durham Project Title: Enhancing heart regeneration Award Start Date: 7/1/2016 Award End Date: 6/30/2021 Total Years: 5 Total Award Amount: \$1,000,000



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NORTH CAROLINA

Li Qian, PhD

Program Type: Transformational Project Award Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Single Cell Transcriptomics to Reconstruct Trajectory of Human Cardiac Reprogramming Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Sudarshan Rajagopal, MD PhD

Program Type: Transformational Project Award Institution: Duke University Medical Center City: Durham Project Title: Single Cell Profiling and Disease Modeling of CTEPH Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Simone Rossi, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Experimental and Computational Biomechanics of Ventricular Septation in the Chick Embryo Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

NORTH CAROLINA

Dana Ruter, PhD, BS

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: NOTCH1 and SMAD6 Regulatory Mechanisms Governing Flow-mediated Vascular Function Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NORTH CAROLINA

Svati Shah, MS, MD, MHSc

Program Type: Strategically Focused Research Network Institution: Duke University Durham City: Durham Project Title: Branched Chain Amino Acid and other Metabolic Pathways in Diabetic Heart Failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$615,447

NORTH CAROLINA

Svati Shah, MS, MD, MHSc

Program Type: Strategically Focused Research Network Institution: Duke University Durham City: Durham Project Title: Microbiota Related Molecular Pathways in Pediatric Obesity Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$899,643



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NORTH CAROLINA

Hossam Shaltout, PhD, RPh

Program Type: Scientist Development Grant Institution: Wake Forest University Health Sciences City: Winston Salem 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

NORTH CAROLINA

Asheley Skinner, PhD

Program Type: Strategically Focused Research Network Institution: Duke University Durham City: Durham Project Title: Effectiveness and implementation of tertiary-care pediatric obesity treatment programs Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$507,922

NORTH CAROLINA

Jonathan Stiber, MD

Program Type: Transformational Project Award Institution: Duke University Durham City: Durham Project Title: Role of Drebrin in Vascular Smooth Muscle Transdifferentiation Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

NORTH CAROLINA

Teng Su, BS, MS, PhD

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

NORTH CAROLINA

Maria Jose Torres Alcalde, PhD, BS, AS

Program Type: Postdoctoral Fellowship Institution: Duke University Medical Center City: Durham Project Title: Molecular mechanisms of Taxane-induced toxicities in cardiac and skeletal muscle Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

NORTH CAROLINA

Nikoleta Tsvetanova, BA, PhD

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



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NORTH CAROLINA

Haley Vaseghi, BS

Program Type: Predoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: The Role of Mitochondria in Direct Cardiac

Reprogramming Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$53,688

NORTH CAROLINA

Brianna Vickerman, BS

Program Type: Predoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Use of Vitamin B12 to Release Multiple Angiogenic

Factors with Long Wavelength Light to Achieve Therapeutic Angiogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Li Wang, PhD

Program Type: Career Development Award Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Role of Autophagy and Beclin1 in Direct

Cardiac Reprogramming Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

NORTH CAROLINA

Margeaux Wetendorf, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: Assessing miRNA Regulation of Adrenomedullin

Expression in Cigarette Smoke Driven Protection from Preeclampsia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

NORTH CAROLINA

Emily Wrona, BS

Program Type: Predoctoral Fellowship Institution: North Carolina State University City: Raleigh Project Title: Human In Vitro Platforms to Study the Effect of Macrophages on

Contractility of Engineered Heart Tissues Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

NORTH CAROLINA

Wenjing Xu, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of North Carolina, Chapel Hill City: Chapel Hill Project Title: The Role of Small GTPase Rap1 in the Development

and Regulation of Lymphatic Endothelial Junctions Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456



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NORTH CAROLINA

Liliya Yamaleyeva, MS, MD

Program Type: Transformational Project Award Institution: Wake Forest University Health Sciences City: Winston Salem Project Title: ACE2 and CD47 Interactions to Regulate Fetal Growth Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$299,559

NORTH CAROLINA

Ruorong Yan, PhD, BA

Program Type: Postdoctoral Fellowship Institution: Duke University Durham City: Durham Project Title: Modulation of heart regeneration by enhancer-delivered factors Award Start Date: 7/1/2017 Award End Date: 12/30/2019 Total Years: 2 Total Award Amount: \$104,060

NORTH CAROLINA

Wei Yang, BS, MS, PhD

Program Type: Collaborative Sciences Award Institution: Duke University Durham City: Durham Project Title: Decrypting the Role of Epinephrine on Brain Function after Cardiac Arrest in Mice Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$325,529

NORTH CAROLINA

Junjie Yao, PhD

Program Type: Collaborative Sciences Award Institution: Duke University Durham City: Durham Project Title: Decrypting the Role of Epinephrine on Brain Function after Cardiac Arrest in Mice Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$315,343

NORTH CAROLINA

Qibin Zhang, PhD

Program Type: Collaborative Sciences Award Institution: University of North Carolina, Greensboro City: Greensboro Project Title: DISCOVERY AND VALIDATION OF BIOMARKERS OF CARDIOVASCULAR COMPLICATIONS IN TYPE 1 DIABETES Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$496,303

NORTH DAKOTA

Yan Zhang, PhD, BS

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: North Dakota State University, Fargo City: Fargo Project Title: Enhancement of Left Atrial Appendage Flow using Artificial Superhydrophobic Surface Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$150,887



**American
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Association.**

OHIO

Shipra Agrawal, PhD

Program Type: Career Development Award Institution: Nationwide Children's Hospital
City: Columbus Project Title: Improving Kidney Disease by Targeting Podocyte PPAR
gamma Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total
Award Amount: \$231,000

OHIO

Rouzbeh Amini, PhD, MS, BS

Program Type: Scientist Development Grant Institution: University of Akron City: Akron
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

OHIO

Suneel Apte, MBBS, DPhil

Program Type: Paul G. Allen Distinguished Investigator Award Institution: Cleveland
Clinic Foundation City: Cleveland Project Title: Forward and reverse degradomics of
cardiovascular extracellular matrix Award Start Date: 10/1/2017 Award End Date:
9/30/2020 Total Years: 3 Total Award Amount: \$1,500,000

OHIO

Yuntao Bai, PhD

Program Type: Postdoctoral Fellowship Institution: The Ohio State University City:
Columbus Project Title: Mitigation of Acute Kidney Injury by Inhibiting Fibroblast
Growth Factor Receptor Pathway Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$106,532

OHIO

Bijinu Balakrishnan, PhD

Program Type: Postdoctoral Fellowship Institution: Ohio University, Athens City: Athens
Project Title: Identifying a novel role of FSP27 in regulating vascular function Award
Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount:
\$104,060

OHIO

Maria Balch, BA, MS

Program Type: Predoctoral Fellowship Institution: The Ohio State University City:
Columbus Project Title: Acute Mechanisms of Injury and Rehabilitative Recovery After
Ischemic Stroke Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$53,688



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OHIO

Madhumita Basu, PhD

Program Type: Career Development Award Institution: Nationwide Children's Hospital
City: Columbus Project Title: Mechanisms of maternal hyperglycemia induced risk of
congenital heart disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total
Years: 3 Total Award Amount: \$231,000

OHIO

Ji Bihl, PhD, MD

Program Type: Scientist Development Grant Institution: Wright State University, Dayton
City: Dayton 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

OHIO

Michael Bround, PhD

Program Type: Postdoctoral Fellowship Institution: Cincinnati Children's Hospital
Medical Center City: Cincinnati Project Title: The Role of Micu2 in Ischemia Reperfusion
Injury and Cardiomyocyte Biology Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$104,060

OHIO

Chuanxi Cai, PhD

Program Type: Transformational Project Award Institution: The Ohio State University
City: Columbus Project Title: The Function of LncRNA COIND in Myocardial Repair
Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award
Amount: \$300,000

OHIO

Mina Chung, MD

Program Type: Strategically Focused Research Network Institution: Cleveland Clinic
Foundation City: Cleveland Project Title: Translational Strategies for the Prevention of
Atrial Fibrillation Development and Progression Award Start Date: 7/1/2018 Award End
Date: 6/30/2022 Total Years: 4 Total Award Amount: \$580,800

OHIO

Mina Chung, MD

Program Type: Strategically Focused Research Network Institution: Cleveland Clinic
Foundation City: Cleveland Project Title: Upstream Targeting for the Prevention of AF:
Targeting Risk Interventions and Metformin for AF (TRIM-AF) Award Start Date: 7/1/2018
Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$1,564,200



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OHIO

Leslie Consitt, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Ohio University, Athens City: Athens Project Title: Skeletal Muscle Mechanisms Involved in Obesity-Related Metabolic Inflexibility Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$154,000

OHIO

Shataakshi Dahal, BSE

Program Type: Predoctoral Fellowship Institution: Cleveland Clinic Foundation City: Cleveland Project Title: Stem Cell Derivatives for Regenerative Repair of small AAAs Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Deeptankar Demazumder, MD, PhD, BS

Program Type: Institute - AI and ML Institution: University of Cincinnati City: Cincinnati Project Title: Critical Health Assessment & Outcomes Study/Score in the cardiovascular ICU (CHAOS-ICU) Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

OHIO

Silvia Duarte-Sanmiguel, BSC

Program Type: Predoctoral Fellowship Institution: The Ohio State University City: Columbus Project Title: Nanoscale approaches to reprogramming diabetic macrophages Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Tejasvi Dudiki, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Cleveland Clinic Foundation City: Cleveland Project Title: Role of exosomes in cancer associated thrombotic complications Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

OHIO

Punashi Dutta, PhD

Program Type: Postdoctoral Fellowship Institution: Nationwide Children's Hospital City: Columbus Project Title: Targeting nuclear export to attenuate aortic valve calcification Award Start Date: 7/1/2018 Award End Date: 8/30/2020 Total Years: 2 Total Award Amount: \$106,532



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OHIO

Kobina Essandoh, MSc, BS

Program Type: Predoctoral Fellowship Institution: University of Cincinnati City:
Cincinnati Project Title: Role of Tsg101 in endosomal translocation of Glut-4 in ischemic
hearts Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award
Amount: \$53,688

OHIO

Guo-Chang Fan, BS, MS, PhD

Program Type: Established Investigator Award Institution: University of Cincinnati City:
Cincinnati Project Title: Exosomes and Their Content Reprogramming in Heart Failure
Award Start Date: 1/1/2017 Award End Date: 12/31/2021 Total Years: 5 Total Award
Amount: \$400,000

OHIO

Erin Gloag, PhD

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

OHIO

Erich Goebel, BS

Program Type: Predoctoral Fellowship Institution: University of Cincinnati City:
Cincinnati Project Title: Characterization of the Growth and Differentiation Factor 11
Ternary Receptor Assembly Award Start Date: 7/1/2018 Award End Date: 6/30/2020
Total Years: 2 Total Award Amount: \$53,688

OHIO

Joseph Goldman, BS, PhD

Program Type: Scientist Development Grant Institution: The Ohio State University City:
Columbus 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

OHIO

Suman Gurung, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Cincinnati Children's Hospital
Medical Center City: Cincinnati Project Title: The role of Collagen COL22A1 in vascular
stability and intracranial berry aneurysms Award Start Date: 1/1/2019 Award End Date:
12/31/2020 Total Years: 2 Total Award Amount: \$103,328



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OHIO

Xu Han, MS, BS

Program Type: Predoctoral Fellowship Institution: Case Western Reserve University City: Cleveland Project Title: Analysis of a Naturally Occurring PAR4 Variants by Hydrogen/Deuterium Exchange Mass Spectrometry Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Hoda Hatoum, BS, MS

Program Type: Postdoctoral Fellowship Institution: The Ohio State University City: Columbus Project Title: Superhydrophobic leaflets with vortex generators to reduce turbulence in prosthetic heart valves Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

OHIO

Luis Hortells, PhD

Program Type: Postdoctoral Fellowship Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati Project Title: Postnatal regulation of extracellular matrix and cardiomyocyte cell proliferation by Postn+ cardiac fibroblasts. Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

OHIO

Jiuzhou Huo, BS, MS

Program Type: Predoctoral Fellowship Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati Project Title: The role of MCUb in ischemia reperfusion injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Mukesh Jain, BS, MD

Program Type: AHA Allen Brain Health Initiative Institution: University Hospitals Cleveland Medical Center City: Cleveland Project Title: Optimizing the function of a redefined neurovascular unit to prevent age-related dementia Award Start Date: 1/1/2019 Award End Date: 12/31/2026 Total Years: 8 Total Award Amount: \$9,600,000

OHIO

Onur Kanisicak, PhD

Program Type: Career Development Award Institution: University of Cincinnati City: Cincinnati Project Title: Deactivating cardiac fibroblasts mediate reverse remodeling upon injury resolution Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000



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OHIO

Manjula Karpurapu, PhD

Program Type: Scientist Development Grant Institution: The Ohio State University City: Columbus 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

OHIO

Debjit Khan, PhD

Program Type: Postdoctoral Fellowship Institution: Cleveland Clinic Foundation City: Cleveland Project Title: Elucidation of mechanisms directing rear localization of mRNAs in migrating endothelial cells Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

OHIO

Samantha King, PhD

Program Type: Transformational Project Award Institution: Nationwide Children's Hospital City: Columbus Project Title: Streptococcus oralis strains lacking serine-rich repeat proteins bind the same platelet carbohydrates via novel adhesins Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

OHIO

Nalinikanth Kotagiri, MBBS, PhD

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

OHIO

Sivarajan Kumarasamy, PhD, MSc, BSc

Program Type: Scientist Development Grant Institution: University of Toledo Health Science Campus City: Toledo 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

OHIO

Shuo Li, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Cleveland Clinic Foundation City: Cleveland Project Title: Hepsin deficiency reprograms liver glucose and lipid metabolism and protects mice against obesity and diabetes Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456



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OHIO

Yutian Li, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Cincinnati City:
Cincinnati Project Title: Role of Sctm1a in Diabetes-Induced Cardiac Dysfunction
Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award
Amount: \$53,688

OHIO

Jialiang Liang, PhD

Program Type: Career Development Award Institution: University of Cincinnati City:
Cincinnati Project Title: Conversion of fibroblasts into cardiovascular progenitors using
CRISPR technology for heart regeneration Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

OHIO

Xudong Liao, BS, PhD

Program Type: Transformational Project Award Institution: Case Western Reserve
University City: Cleveland Project Title: Role of cardiac macrophage subsets in pressure
overload hypertrophy and its application in treatment of cardiomyopathy Award Start
Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

OHIO

Brenda Lilly, PhD

Program Type: Undergraduate fellowship Institution: Nationwide Children's Hospital
City: Columbus Project Title: Nationwide Children's Hospital Summer Undergraduate
Research Program Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total Years: 3
Total Award Amount: \$60,000

OHIO

Tracie Lin, BA, MD

Program Type: Institute - Uncovering New Patterns Fellowship Institution: University of
Cincinnati City: Cincinnati Project Title: Critical Health Assessment & Outcomes Study
for predicting acute sleep-disordered breathing (CHAOS-SDB) Award Start Date:
4/2/2018 Award End Date: 3/31/2020 Total Years: 2 Total Award Amount: \$150,000

OHIO

Jianmin Liu, BS, MS, PhD

Program Type: Career Development Award Institution: Cleveland Clinic Foundation
City: Cleveland Project Title: Mechanistic investigation of kindlin-dependent integrin
activation Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total
Award Amount: \$231,000



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OHIO

Cam Mccarthy, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Toledo Health Science
Campus City: Toledo Project Title: Decreased autophagy leads to proteotoxicity and
senescence in hypertension-associated premature vascular aging Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

OHIO

Jason Mccoy, BS

Program Type: Predoctoral Fellowship Institution: University of Cincinnati City:
Cincinnati Project Title: Growth Differentiation Factor 8 (GDF8) Antagonism by Growth
Associated Serum Protein (GASP) Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Sanjeeva Metikala, PhD, ME

Program Type: Postdoctoral Fellowship Institution: Cincinnati Children's Hospital
Medical Center City: Cincinnati Project Title: Characterization of a novel vascular
endothelial progenitor site Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total
Years: 2 Total Award Amount: \$110,456

OHIO

Maradumane Mohan, PhD

Program Type: Transformational Project Award Institution: Cleveland Clinic Foundation
City: Cleveland Project Title: Kinase independent signaling of PI3Kgamma in cardiac
fibrosis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total
Award Amount: \$300,000

OHIO

Jeff Molquentin, PhD

Program Type: Merit Award Institution: Cincinnati Children's Hospital Medical Center
City: Cincinnati Project Title: Finding the combinatorial code for cardiomyocyte
proliferation Award Start Date: 1/1/2019 Award End Date: 12/31/2023 Total Years: 5 Total
Award Amount: \$1,000,000

OHIO

Rajib Mukherjee, PhD

Program Type: Postdoctoral Fellowship Institution: Cincinnati Children's Hospital
Medical Center City: Cincinnati Project Title: Novel mechanisms in the regulation of
brown fat mediated cardiovascular disease protection. Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456



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OHIO

Drew Nassal, PhD

Program Type: Postdoctoral Fellowship Institution: The Ohio State University City: Columbus Project Title: Mechanisms of BIV-Spectrin Degradation and its Role in Myocardial Infarction Remodeling Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

OHIO

David Ohayon, PhD

Program Type: Postdoctoral Fellowship Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati Project Title: Hypersensitivity of natural killer cells in asthma Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

OHIO

Albert Owens, PhD, BS

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

OHIO

Tricia Oyster, BSE

Program Type: Predoctoral Fellowship Institution: The Ohio State University City: Columbus Project Title: Investigating Cell-Specific Delivery of miRNA-155 to mitigate Ventilator Induced Lung Injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Navjotsingh Pabla, PhD

Program Type: Scientist Development Grant Institution: The Ohio State University City: Columbus 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

OHIO

Ela Plow, PhD, PT

Program Type: Transformational Project Award Institution: Cleveland Clinic Foundation City: Cleveland Project Title: A Novel Approach for Brain Stimulation in Severe Stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000



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OHIO

Przemyslaw Radwanski, PharmD, PhD

Program Type: Transformational Project Award Institution: The Ohio State University

City: Columbus Project Title: A novel therapeutic paradigm for arrhythmogenic

calmodulinopathy Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3

Total Award Amount: \$300,000

OHIO

Iyappan Ramachandiran, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Cleveland Clinic Foundation City:

Cleveland Project Title: iNOS-S100A8/A9 nitrosylase mediated S-nitrosylation of LTA4H

and its pro-inflammatory influence on myeloid cells Award Start Date: 1/1/2019 Award

End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

OHIO

Anand Ramamurthi, PhD, MS, BS

Program Type: Transformational Project Award Institution: Cleveland Clinic Foundation

City: Cleveland Project Title: Matrix regenerative siRNA nanotherapeutics for small

aneurysm repair Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3

Total Award Amount: \$300,000

OHIO

Subha Raman, MD

Program Type: Collaborative Sciences Award Institution: The Ohio State University City:

Columbus Project Title: Brown adipose tissue as a therapeutic for diabetes-induced

cardiovascular disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total

Years: 3 Total Award Amount: \$125,000

OHIO

Rolando Ramirez, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:

University of Akron City: Akron Project Title: Increased VEGF Receptor 2 Expression to

Improve Maternal Physiology and Fetal Outcomes in a Rat Model of Preeclampsia

Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award

Amount: \$154,000

OHIO

James Reinhardt, PhD

Program Type: Postdoctoral Fellowship Institution: Nationwide Children's Hospital City:

Columbus Project Title: Platelet Aggregation in Tissue Engineered Vascular Grafts:

Mechanism and Contribution to Inflammation-Driven Stenosis Award Start Date:

7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456



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OHIO

M Ann Reinthal, PhD

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

OHIO

Sakthivel Sadayappan, MS, PhD

Program Type: Transformational Project Award Institution: University of Cincinnati City: Cincinnati Project Title: Molecular Mechanisms of Cardiac Arrhythmias in Patients with Compound Mutations Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

OHIO

Sakthivel Sadayappan, MS, PhD

Program Type: Undergraduate fellowship Institution: University of Cincinnati City: Cincinnati Project Title: American Heart Association - Summer Undergraduate Research Fellowship (AHA-SURF) Award Start Date: 1/1/2019 Award End Date: 12/31/2021 Total Years: 3 Total Award Amount: \$60,000

OHIO

Neha Reddy Sanagala, BS

Program Type: Institute - AI and ML Training Grants Institution: University of Cincinnati City: Cincinnati Project Title: Critical Health Assessment & Outcomes Study/Score in the cardiovascular ICU (CHAOS-ICU) Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$100,000

OHIO

Juan Sanchez, BS, PhD

Program Type: Career Development Award Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati Project Title: Developmental and molecular mechanisms of obesity. Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

OHIO

Hannah Saternos, BSC, MSc

Program Type: Predoctoral Fellowship Institution: University of Toledo Health Science Campus City: Toledo Project Title: Role of ciliary muscarinic acetylcholine receptor 3 in hypertension in polycystic kidney disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



**American
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OHIO

Dwitiya Sawant, PhD

Program Type: Postdoctoral Fellowship Institution: Nationwide Children's Hospital City: Columbus Project Title: Role of miR-145 in cardiac fibrosis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

OHIO

Austin Schenk, MD PhD

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

OHIO

Jennifer Schumacher, BS, PhD

Program Type: Scientist Development Grant Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati 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

OHIO

Jonathan Smith, PhD

Program Type: Strategically Focused Research Network Institution: Cleveland Clinic Foundation City: Cleveland Project Title: Gene-Aging-Metabolism Interaction in Atrial Fibrillation Pathogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$782,100

OHIO

Taejeong Song, PhD

Program Type: Postdoctoral Fellowship Institution: University of Cincinnati City: Cincinnati Project Title: Molecular mechanism of hypertrophic cardiomyopathy in populations of South Asian descendants Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$106,532

OHIO

Kristin Stanford, PhD

Program Type: Collaborative Sciences Award Institution: The Ohio State University City: Columbus Project Title: Brown adipose tissue as a therapeutic for diabetes-induced cardiovascular disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$312,500



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OHIO

Kavitha Subramanian, BS, MS, PhD

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

OHIO

Dallin Tavoian, BS, MS

Program Type: Predoctoral Fellowship Institution: Ohio University, Athens City: Athens
Project Title: Cycle high-intensity interval training to improve cardiorespiratory and
muscular function in older adults Award Start Date: 1/1/2019 Award End Date: 6/30/2021
Total Years: 2 Total Award Amount: \$53,688

OHIO

Charles Thodeti, PhD

Program Type: Transformational Project Award Institution: Northeast Ohio Medical
University City: Rootstown Project Title: The impact of vascular mechanotransduction
on cardiac remodeling Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

OHIO

Michael Tranter, BS, PhD

Program Type: Innovative Project Award Institution: University of Cincinnati City:
Cincinnati Project Title: RNA aptamer homing beacons to reduce obesity Award Start
Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

OHIO

Michael Tranter, BS, PhD

Program Type: Transformational Project Award Institution: University of Cincinnati City:
Cincinnati Project Title: A novel role for Human Antigen R (HuR) in uncoupling protein 1
(UCP1)-independent thermogenesis and energy expenditure Award Start Date: 7/1/2019
Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

OHIO

Ronald Vagnozzi, PhD

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



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OHIO

David Van Wagoner, PhD

Program Type: Strategically Focused Research Network Institution: Cleveland Clinic Foundation City: Cleveland Project Title: Multi-omic analysis of atrial metabolism, electrophysiology and AF progression Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$782,100

OHIO

Nivedhitha Velayutham, BS, MS

Program Type: Predoctoral Fellowship Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati Project Title: Role of Btg1/2 anti-proliferative genes in postnatal cardiomyocyte cell cycle arrest Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Fan Wang, PhD, BS

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

OHIO

Jinju Wang, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Wright State University, Dayton City: Dayton Project Title: The regulatory effect of exercise on circulating EPC-EXs and its implication in ischemic stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

OHIO

Noah Weisleder, PhD

Program Type: Mentor-AHA Mentee Award Institution: The Ohio State University City: Columbus Project Title: Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$60,000

OHIO

Clintoria Williams, PhD, BS

Program Type: Scientist Development Grant Institution: Wright State University, Dayton City: Dayton 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



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OHIO

Frank Yi, BS

Program Type: Predoctoral Fellowship Institution: The Ohio State University City: Columbus Project Title: The Role of MG29 in Glucose Homeostasis and Cardiac Protection Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OHIO

Katherine Yutzey, PhD

Program Type: Undergraduate fellowship Institution: Cincinnati Children's Hospital Medical Center City: Cincinnati Project Title: Cincinnati Children's SURF program Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total Years: 3 Total Award Amount: \$60,000

OHIO

Ge Zhang, MD, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: University of Akron City: Akron Project Title: Development of a Vascularized Engineered Myocardial Tissue for Cardiac Repair Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$154,000

OHIO

Hua Zhu, PhD

Program Type: Transformational Project Award Institution: The Ohio State University City: Columbus Project Title: Modulation of Cell Death Pathway in Myocardial Infarction Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

OHIO

Mark Ziolo, PhD

Program Type: Collaborative Sciences Award Institution: The Ohio State University City: Columbus Project Title: Brown adipose tissue as a therapeutic for diabetes-induced cardiovascular disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$312,500

OHIO

Jay Zweier, BS, MD

Program Type: Undergraduate fellowship Institution: The Ohio State University City: Columbus Project Title: Undergraduate Summer Fellowship Program Award Start Date: 1/1/2019 Award End Date: 12/31/2021 Total Years: 3 Total Award Amount: \$60,000



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OKLAHOMA

Jason Booe, BS

Program Type: Predoctoral Fellowship Institution: University of Oklahoma Health Sciences Center City: Oklahoma City Project Title: Modulation of vasodilator peptide binding to the calcitonin receptor-like receptor by RAMP accessory proteins Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

OKLAHOMA

Siqi Gao, BS

Program Type: Predoctoral Fellowship Institution: University of Oklahoma Health Sciences Center City: Oklahoma City Project Title: Epigenetic regulation of Ripk3 transcription and embryonic vascular integrity Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OKLAHOMA

Landon Haslem, BSC

Program Type: Predoctoral Fellowship Institution: University of Oklahoma Health Sciences Center City: Oklahoma City Project Title: Molecular determinants of p66Shc-mediated ROS function in cardiovascular health Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OKLAHOMA

Yen Chun Ho, PhD

Program Type: Postdoctoral Fellowship Institution: Oklahoma Medical Research Foundation City: Oklahoma City Project Title: GATA2 regulates miR-126 in the lymphatic vasculature Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

OKLAHOMA

Nathaniel Jenkins, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Oklahoma State University City: Stillwater Project Title: The Clinical Utility of Resistance Training for Improving Cardiovascular Disease Risk in Post-Menopausal Women Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$153,933

OKLAHOMA

Chi Fung Lee, BSC, MSc, PhD

Program Type: Scientist Development Grant Institution: Oklahoma Medical Research Foundation City: Oklahoma City 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



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OKLAHOMA

Chung-Hao Lee, PhD, MS, BS

Program Type: Scientist Development Grant Institution: University of Oklahoma City:
Norman 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

OKLAHOMA

Bojing Shao, BS, MS, PhD

Program Type: Career Development Award Institution: Oklahoma Medical Research
Foundation City: Oklahoma City Project Title: Roles of Myeloid Cell Talin1 in
Atherosclerosis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3
Total Award Amount: \$231,000

OKLAHOMA

Meng-Ling Wu, PhD

Program Type: Postdoctoral Fellowship Institution: Oklahoma Medical Research
Foundation City: Oklahoma City Project Title: Combinatorial Roles for Chromatin
Remodeling Enzymes in Hepatic and Pulmonary Vasculature Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

OKLAHOMA

Pengchun Yu, BS, PhD

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

OREGON

Joseph Aslan, PhD

Program Type: Scientist Development Grant Institution: Oregon Health & Science
University, Portland City: Portland 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

OREGON

Isabelle Baconguis, BA, PhD

Program Type: Transformational Project Award Institution: Oregon Health & Science
University, Portland City: Portland Project Title: 3D structure and function of epithelial
sodium channels Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$299,999



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OREGON

Connor Balzer, BS

Program Type: Predoctoral Fellowship Institution: University of Oregon, Eugene City: Eugene Project Title: Understanding how the actin filament nucleator, Arp2/3 complex, is regulated to create exclusively branched filaments Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

OREGON

Eran Brown, BS

Program Type: Predoctoral Fellowship Institution: Oregon Health & Science University, Portland City: Portland Project Title: Endothelial Pro-inflammatory Responses after Myocardial Infarction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

OREGON

Maros Ferencik, PhD, MD

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

OREGON

Ryan Gardner, BA, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Oregon Health & Science University, Portland City: Portland Project Title: Sympathetic reinnervation after myocardial infarction: changing cardiac inflammation and remodeling Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

OREGON

Owen Mccarty, BS, PhD

Program Type: Undergraduate fellowship Institution: Oregon Health & Science University, Portland City: Portland Project Title: OHSU AHA Undergraduate Student Fellowship Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total Years: 3 Total Award Amount: \$36,000

OREGON

Christopher Minson, MS, PhD

Program Type: Transformational Project Award Institution: University of Oregon, Eugene City: Eugene Project Title: Targeting Hypertension and Insulin Resistance with Heat Therapy Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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OREGON

Sigrid Noreng, BS

Program Type: Predoctoral Fellowship Institution: Oregon Health & Science University,
Portland City: Portland Project Title: Structure/Function Studies on the Gating
Mechanism of ENaC Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years:
2 Total Award Amount: \$53,688

OREGON

Erika Riederer, BA

Program Type: Predoctoral Fellowship Institution: Oregon Health & Science University,
Portland City: Portland Project Title: Unnatural mutagenesis to probe the transport
mechanism of a glutamate transporter homolog Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

OREGON

Hagai Tavori, BSC, MSc, PhD

Program Type: Scientist Development Grant Institution: Oregon Health & Science
University, Portland City: Portland 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

PENNSYLVANIA

Imad Al Ghouleh, BSC, BA, PhD

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

PENNSYLVANIA

Sharrelle Barber, ScD

Program Type: Scientist Development Grant Institution: Drexel University City:
Philadelphia 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

PENNSYLVANIA

John Nicholas Betley, PhD

Program Type: Scientist Development Grant Institution: University of Pennsylvania City:
Philadelphia 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



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PENNSYLVANIA

Xin Bi, MBBS, PhD

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

PENNSYLVANIA

Michael Boyer, BS

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: Mechanistic Insight into Exosomes as Mediators of Intercellular Signaling in Vascular Biology Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Andrea Braganza, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Age-Related Decrease in Mitofusin 1 Results in Platelet Dysfunction and Thrombosis Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$110,456

PENNSYLVANIA

Nolan Carew, BS

Program Type: Predoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Cyb5R3 and redox-dependent signaling in hypertrophic cardiomyopathy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Edmund Carvalho, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pennsylvania City: Philadelphia Project Title: Genome-wide CRISPR KO screen identified S100Z as a molecular link for Ca²⁺ overload-induced cell death. Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

PENNSYLVANIA

Janet Catov, PhD

Program Type: Strategic Collaborative Grant Institution: Magee-Womens Research Institute and Foundation City: Pittsburgh Project Title: Longitudinal epigenomic study of gestational diabetes mellitus and cardiac structure and function Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$178,340



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PENNSYLVANIA

Janet Catov, PhD

Program Type: Strategically Focused Research Network Institution: Magee-Womens Research Institute and Foundation City: Pittsburgh Project Title: The placenta as a window to maternal microvascular disease risk Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,135,350

PENNSYLVANIA

Stephen Chan, PhD, MD

Program Type: Established Investigator Award Institution: University of Pittsburgh City: Pittsburgh Project Title: Defining the systems biology of the vascular matrix in pulmonary hypertension Award Start Date: 1/1/2018 Award End Date: 12/31/2022 Total Years: 5 Total Award Amount: \$400,000

PENNSYLVANIA

Yingxian Chen, PhD, BSC

Program Type: Postdoctoral Fellowship Institution: University of Pennsylvania City: Philadelphia Project Title: Determining the in vivo role of microtubule detyrosination in healthy and diseased myocardium Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

PENNSYLVANIA

Youngjae Chun, BS, MS, PhD

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

PENNSYLVANIA

Darrell Cockburn, BSC, PhD

Program Type: Scientist Development Grant Institution: Pennsylvania State University, University Park City: University Park 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

PENNSYLVANIA

Keith Cook, PhD

Program Type: Undergraduate fellowship Institution: Carnegie Mellon University City: Pittsburgh Project Title: Carnegie Heart Summer Undergraduate Research 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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PENNSYLVANIA

Hannah Cooper, BA

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia
Project Title: Mitochondrial Fission mediates hypertensive vascular remodeling Award
Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount:
\$53,688

PENNSYLVANIA

Paola Corti, PhD

Program Type: Career Development Award Institution: University of Pittsburgh City:
Pittsburgh Project Title: Cytoglobin 2 signals in primary cilia and contributes to normal
cardiac development. Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total
Years: 3 Total Award Amount: \$231,000

PENNSYLVANIA

Daniel De Jesus, PhD, MS

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City:
Pittsburgh Project Title: The Role of NADPH oxidase 1 and Gremlin1 in Pulmonary
Arterial Hypertension Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total
Years: 2 Total Award Amount: \$110,456

PENNSYLVANIA

Cameron Dezfulian, MD

Program Type: Undergraduate fellowship Institution: University of Pittsburgh City:
Pittsburgh Project Title: GRA Summer 2016 Undergraduate Student Research Program
Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total Years: 3 Total Award
Amount: \$60,000

PENNSYLVANIA

Jessica Doerner, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pennsylvania City:
Philadelphia Project Title: Defining dendritic cell responses to Legionella pneumophila
Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award
Amount: \$106,532

PENNSYLVANIA

Partha Dutta, PhD, MS, DVM

Program Type: Innovative Project Award Institution: University of Pittsburgh City:
Pittsburgh Project Title: Hematopoietic stem and progenitor cell relocation and
activation in the bone marrow after myocardial infarction Award Start Date: 7/1/2019
Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000



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PENNSYLVANIA

Partha Dutta, PhD, MS, DVM

Program Type: Transformational Project Award Institution: University of Pittsburgh City: Pittsburgh Project Title: The Role of endothelial cell-specific CX3CR1 in pulmonary hypertension Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$299,307

PENNSYLVANIA

Yi Fan, PhD, MD

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

PENNSYLVANIA

Pu Fang, PhD

Program Type: Scientist Development Grant Institution: Temple University City: Philadelphia 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

PENNSYLVANIA

Christopher Favilla, BA, MD

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

PENNSYLVANIA

Deborah Feairheller, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Ursinus College City: Collegeville Project Title: Effects of a Combined Diet and Exercise Intervention on Cardiovascular Risk Factors in Volunteer Firefighters Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$153,930

PENNSYLVANIA

Ning Feng, MD PhD

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



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PENNSYLVANIA

Garret Fitzgerald, MD, MS, MB BCH

Program Type: Merit Award Institution: University of Pennsylvania City: Philadelphia

Project Title: Non-dipping Hypertension and the Human Chronobiome Award Start

Date: 7/1/2017 Award End Date: 6/30/2022 Total Years: 5 Total Award Amount:

\$1,000,000

PENNSYLVANIA

Allana Forde, BA, MPH, PhD

Program Type: Postdoctoral Fellowship Institution: Drexel University City: Philadelphia

Project Title: Discrimination and Hypertension among Participants in the Jackson Heart

Study and Multi-Ethnic Study of Atherosclerosis Award Start Date: 7/1/2018 Award End

Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

PENNSYLVANIA

Carson Fox, MS, BS

Program Type: Predoctoral Fellowship Institution: Drexel University City: Philadelphia

Project Title: Continuous Flow Pediatric Artificial Heart Award Start Date: 7/1/2018 Award

End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Zhonghua Gao, PhD

Program Type: Scientist Development Grant Institution: Pennsylvania State University,

Hershey City: Hershey 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

PENNSYLVANIA

Venkata Garikipati, PhD, MSc, BS

Program Type: Career Development Award Institution: Temple University City:

Philadelphia Project Title: Role of CircRNAs in Ischemic Tissue Repair and Regeneration

Award Start Date: 7/1/2018 Award End Date: 7/30/2021 Total Years: 3 Total Award

Amount: \$231,000

PENNSYLVANIA

Katerina Gawronski, BS

Program Type: Predoctoral Fellowship Institution: University of Pennsylvania City:

Philadelphia Project Title: Evaluating the contribution of splicing in the liver to lipid

levels using experimental and computational approaches Award Start Date: 1/1/2019

Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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PENNSYLVANIA

Bryan Good, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Pennsylvania State University, University Park City: University Park Project Title: Modeling of Acute Ischemic Stroke for Improving Mechanical Thrombectomy Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

PENNSYLVANIA

Lu Han, PhD

Program Type: Career Development Award Institution: University of Pittsburgh City: Pittsburgh Project Title: LMNB2 determines heart muscle cell regeneration and protection through telomere-length homeostasis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

PENNSYLVANIA

Wenrui Hao, PhD

Program Type: Scientist Development Grant Institution: Pennsylvania State University, University Park City: University Park 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

PENNSYLVANIA

Alexander Hoachlandr-Hobby, BS

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: Cortical-bone Stem Cells mediate cardiac repair and function after myocardial infarction by altering the immune response Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Matthew Hoffman, BA

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: KLF5-miR30e Axis in the Regulation of Cardiac Metabolism in Myocardial Ischemia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Carl Hubel, PhD

Program Type: Strategically Focused Research Network Institution: Magee-Womens Research Institute and Foundation City: Pittsburgh Project Title: Women's Cardiovascular Health and Microvascular Mechanisms: Novel Insights from Pregnancy Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$590,870



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PENNSYLVANIA

Carl Hubel, PhD

Program Type: Strategically Focused Research Network Institution: Magee-Womens Research Institute and Foundation City: Pittsburgh Project Title: Glycocalyx pathways linking pregnancy profile with microvascular dysfunction postpartum Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,070,545

PENNSYLVANIA

Xiaoyan Jiang, MD, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Therapies to enhance DNA repair and long-term outcomes in a mouse cerebral ischemia model Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$103,328

PENNSYLVANIA

Emily Johnston, BS, MPH

Program Type: Predoctoral Fellowship Institution: Pennsylvania State University, University Park City: University Park Project Title: Can a simple diet questionnaire accurately identify patients at high nutritional risk for cardiovascular disease (CVD)? Award Start Date: 1/1/2019 Award End Date: 12/31/2019 Total Years: 1 Total Award Amount: \$26,844

PENNSYLVANIA

Jana Kainerstorfer, PhD

Program Type: Scientist Development Grant Institution: Carnegie Mellon University City: Pittsburgh 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

PENNSYLVANIA

Brett Kaufman, PhD

Program Type: Transformational Project Award Institution: University of Pittsburgh City: Pittsburgh Project Title: Young at heart: How mitochondrial genome preservation promotes resilience against aging and heart attack-induced heart f Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

PENNSYLVANIA

Makan Khoshnejad, PhD, BS

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



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PENNSYLVANIA

Johoon Kim, BS, MSE

Program Type: Predoctoral Fellowship Institution: University of Pennsylvania City: Philadelphia Project Title: Spectral photon-counting CT specific contrast agent development for improved diagnosis of cardiovascular diseases Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Walter Koch, PhD

Program Type: Merit Award Institution: Temple University City: Philadelphia Project Title: Decoding Novel Communication from Heart to Fat Award Start Date: 4/1/2018 Award End Date: 3/31/2023 Total Years: 5 Total Award Amount: \$1,000,000

PENNSYLVANIA

John Kostyak, BS, MS, PhD

Program Type: Scientist Development Grant Institution: Temple University City: Philadelphia 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

PENNSYLVANIA

Deepa Kumari, MSc

Program Type: Predoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Regulation of ApolipoproteinB at the cytosol/Endoplasmic Reticulum interface Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Bonnie Ky, MD

Program Type: Transformational Project Award Institution: University of Pennsylvania City: Philadelphia Project Title: Improving Cardiovascular Health in Breast Cancer Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$299,732

PENNSYLVANIA

Ioannis Kyriazis, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: Role of KLF5 and mitochondrial calcium in cardiac aging Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368



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PENNSYLVANIA

Yao Li, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City:
Pittsburgh Project Title: Nox in Aging-Augmented Vascular Endothelial Senescence and
Dysfunction Award Start Date: 7/1/2017 Award End Date: 9/30/2019 Total Years: 2 Total
Award Amount: \$104,060

PENNSYLVANIA

Jiuan-Huey Lin, PhD, MD

Program Type: Scientist Development Grant Institution: University of Pittsburgh City:
Pittsburgh 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

PENNSYLVANIA

Ruya Liu, MD, PhD

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

PENNSYLVANIA

Yuan Liu, PhD

Program Type: Scientist Development Grant Institution: University of Pittsburgh City:
Pittsburgh 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

PENNSYLVANIA

Elisabetta Liverani, BSC, PhD

Program Type: Scientist Development Grant Institution: Temple University City:
Philadelphia 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

PENNSYLVANIA

Keefe Manning, PhD, MS, BS

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



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PENNSYLVANIA

Keefe Manning, PhD, MS, BS

Program Type: Undergraduate fellowship Institution: Pennsylvania State University,
University Park City: University Park Project Title: Penn State Summer Translational
Cardiovascular Sciences Institute (STCSI) Award Start Date: 4/1/2018 Award End Date:
3/31/2021 Total Years: 3 Total Award Amount: \$60,000

PENNSYLVANIA

Oscar Armando Marcos-Contreras, PhD, PharmD

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

PENNSYLVANIA

Zila Martinez-Lozada, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: The Children's Hospital of
Philadelphia City: Philadelphia Project Title: Regulation of astrocytic glutamate
transporter 1 (GLT-1) expression through Notch signaling, a novel role of endothelia
Award Start Date: 7/1/2017 Award End Date: 8/30/2019 Total Years: 2 Total Award
Amount: \$104,060

PENNSYLVANIA

Amanda Miller, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Pennsylvania State University,
Hershey City: Hershey Project Title: Cardiovascular Effects of Angiotensin-(1-7) in
Obesity Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$103,328

PENNSYLVANIA

Nawar Naseer, BA

Program Type: Predoctoral Fellowship Institution: University of Pennsylvania City:
Philadelphia Project Title: Role of the human NAIP inflammasome in intestinal epithelial
cell-intrinsic immune responses to Salmonella Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Toru Nyunoya, MD

Program Type: Transformational Project Award Institution: University of Pittsburgh City:
Pittsburgh Project Title: Molecular mechanisms of smoking-induced emphysema Award
Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount:
\$300,000



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PENNSYLVANIA

Masashi Okubo, MD

Program Type: Career Development Award Institution: University of Pittsburgh City:
Pittsburgh Project Title: The features of high-performing emergency-medical-services
agencies on out-of-hospital cardiac arrest Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

PENNSYLVANIA

Tolani Olonisakin, BA

Program Type: Predoctoral Fellowship Institution: University of Pittsburgh City:
Pittsburgh Project Title: Role of thrombospondin-1 in platelet-mediated protection
during Pseudomonas aeruginosa-induced injury Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Patrick Osei Owusu, BS, PhD

Program Type: Scientist Development Grant Institution: Drexel University City:
Philadelphia 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

PENNSYLVANIA

Pravin Patel, BA

Program Type: Predoctoral Fellowship Institution: Thomas Jefferson University City:
Philadelphia Project Title: ASK1 is a novel regulator of heparin-induced
thrombocytopenia and thrombosis Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Trayambak Pathak, PhD

Program Type: Postdoctoral Fellowship Institution: Pennsylvania State University,
Hershey City: Hershey Project Title: Orai3 Ca²⁺ channels in mitochondrial metabolism
and Obesity Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total
Award Amount: \$106,532

PENNSYLVANIA

Timothy Perkins, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City:
Pittsburgh Project Title: The receptor for advanced glycation endproducts in IL-13
mediated asthma and allergic airway inflammation Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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Jessica Pflieger, BS, PhD

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

PENNSYLVANIA

Mortimer Poncz, MD

Program Type: Transformational Project Award Institution: The Children's Hospital of Philadelphia City: Philadelphia Project Title: Neutrophil extracellular trap compaction to prevent microvascular thrombosis and multisystem organ dysfunction in sepsis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

PENNSYLVANIA

Robert Powers, PhD

Program Type: Strategically Focused Research Network Institution: Magee-Womens Research Institute and Foundation City: Pittsburgh Project Title: The influence of pregnancy on future vascular dysfunction and atherosclerosis Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$912,435

PENNSYLVANIA

Khadija Rafiq, PhD

Program Type: Transformational Project Award Institution: Thomas Jefferson University City: Philadelphia Project Title: Cardioprotection by B cells in type 1 diabetes Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

PENNSYLVANIA

Sudarsan Rajan, PhD, MSc, BS

Program Type: Transformational Project Award Institution: Temple University City: Philadelphia Project Title: Novel Insights into the Role of Mitochondrial Calcium in Regulating Cardiac Contractility Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

PENNSYLVANIA

Priscila Sato, PhD

Program Type: Scientist Development Grant Institution: Drexel University City: Philadelphia 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



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PENNSYLVANIA

Giana Schena, BS

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia
Project Title: Mechanism of Action for the Beneficial Effects of Cortical Bone Stem Cells
on the Heart after Myocardial Infarction Award Start Date: 1/1/2019 Award End Date:
6/30/2021 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Leah Schinasi, PhD

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

PENNSYLVANIA

Yejie Shi, MD, PhD

Program Type: Scientist Development Grant Institution: University of Pittsburgh City:
Pittsburgh 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

PENNSYLVANIA

Junchul Shin, PhD

Program Type: Postdoctoral Fellowship Institution: Temple University City: Philadelphia
Project Title: PHD2-dependent regulation of physiological angiogenesis in skeletal
muscle Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total
Award Amount: \$114,368

PENNSYLVANIA

Timothy Stalker, BS, PhD

Program Type: Transformational Project Award Institution: University of Pennsylvania
City: Philadelphia Project Title: Thrombin spatial propagation during hemostasis and
thrombosis in vivo Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$300,000

PENNSYLVANIA

Adam Straub, PhD

Program Type: Established Investigator Award Institution: University of Pittsburgh City:
Pittsburgh Project Title: Iron Redox Regulation: Basic Mechanisms, Translational
Implications and Strategies to Treat Cardiovascular Disease Award Start Date: 4/1/2019
Award End Date: 3/31/2024 Total Years: 5 Total Award Amount: \$400,000



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PENNSYLVANIA

Deeptha Sukumar, PhD

Program Type: Scientist Development Grant Institution: Drexel University City: Philadelphia 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

PENNSYLVANIA

Jianxin Sun, PhD, MSc, BA

Program Type: Established Investigator Award Institution: Thomas Jefferson University City: Philadelphia Project Title: Role of PCMT1 in Cardiac Ageing Award Start Date: 1/1/2016 Award End Date: 12/31/2020 Total Years: 5 Total Award Amount: \$400,000

PENNSYLVANIA

Prithu Sundd, PhD, BS

Program Type: Transformational Project Award Institution: University of Pittsburgh City: Pittsburgh Project Title: Mechanism of platelet extracellular vesicle-mediated vaso-occlusion in Sickle Cell Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$299,994

PENNSYLVANIA

Shefali Talwar, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pennsylvania City: Philadelphia Project Title: Mechanical Regulation of Phenotypic switching in Vascular smooth muscle cells. Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

PENNSYLVANIA

Wanjian Tang, BS

Program Type: Predoctoral Fellowship Institution: Pennsylvania State University, Hershey City: Hershey Project Title: Structural and Functional Impact of Cardiomyopathy Mutations in Human Beta Cardiac Myosin Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Maiwase Tembo, BA

Program Type: Predoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Characterizing PIP2's regulation of TMEM16a Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688



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PENNSYLVANIA

Dhanendra Tomar, PhD, MS, BSC

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

PENNSYLVANIA

Ravi Vats, MSc, BS

Program Type: Predoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Circulating NETs promote inflammasome-dependent lung vaso-occlusion in Sickle Cell Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Cecilia Vitali, PharmD, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pennsylvania City: Philadelphia Project Title: Mining the pleiotropic cardioprotective roles of Endothelial Lipase in the etiology of Metabolic Syndrome Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

PENNSYLVANIA

Christine Vrakas, BS

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: IL-19 a novel anti-inflammatory, angiogenic adipokine Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Amy Wagner, MD

Program Type: Transformational Project Award Institution: University of Pittsburgh City: Pittsburgh Project Title: Dopamine Systems and Rehabilitation Treatments for Improving Neurorecovery among Cardiac Arrest Survivors Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

PENNSYLVANIA

Marcus Wagner, BS

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: Cell Therapy as a Modulator of Immune Response After Cardiac Injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$53,688



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Qiming Wang, PhD

Program Type: Transformational Project Award Institution: University of Pittsburgh City: Pittsburgh Project Title: Neuroprotective role of novel lncRNA-induced CaMKII δ in ischemic stroke Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

PENNSYLVANIA

Andrew Woodman, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: Pennsylvania State University, University Park City: University Park Project Title: Virus persistence and myocarditis: Dissecting the role of host and virus using a single-cell virology platform Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

PENNSYLVANIA

Yijun Wu, PhD

Program Type: Career Development Award Institution: University of Pittsburgh City: Pittsburgh Project Title: Multi-modal Imaging Investigation of Cardio-Neural Development in a Mouse Model with Hypoplastic Left Heart Syndrome Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

PENNSYLVANIA

Xinxu Xu, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Intrinsic cardiomyocyte defects in the pathogenesis of hypoplastic left heart syndrome Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

PENNSYLVANIA

Yijun Yang, BS

Program Type: Predoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: The characteristics and reparative potentials of human cortical bone stem cells Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

PENNSYLVANIA

Chris Yengo, PhD

Program Type: Undergraduate fellowship Institution: Pennsylvania State University, Hershey City: Hershey Project Title: Penn State Hershey Undergraduate Student Fellowship Program in Cardiovascular Disease Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total Years: 3 Total Award Amount: \$60,000



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PENNSYLVANIA

Jun Yu, MD

Program Type: Established Investigator Award Institution: Temple University City: Philadelphia Project Title: Novel role of dual-specificity phosphatase 10 in cardiovascular disease Award Start Date: 1/1/2018 Award End Date: 12/31/2022 Total Years: 5 Total Award Amount: \$400,000

PENNSYLVANIA

Shuai Yuan, MB, PhD

Program Type: Postdoctoral Fellowship Institution: University of Pittsburgh City: Pittsburgh Project Title: Regulation of Cytochrome b5 Reductase on angiogenesis and lipid metabolism Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

PENNSYLVANIA

Maliha Zahid, MBBS, PhD

Program Type: Scientist Development Grant Institution: University of Pittsburgh City: Pittsburgh 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

PENNSYLVANIA

Lin Zhu, PhD, MA

Program Type: Postdoctoral Fellowship Institution: Temple University City: Philadelphia Project Title: The Prevalence, Risk Factors, and Components Patterns of Metabolic Syndrome in Asian Americans Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

RHODE ISLAND

Kareen Coulombe, BS, PhD

Program Type: Transformational Project Award Institution: Brown University City: Providence Project Title: Bioelectric Sutures for Electrical Integration of Engineered Cardiac Tissue in the Heart Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

RHODE ISLAND

Shanna Hamilton, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: Rhode Island Hospital City: Providence Project Title: A novel strategy to treat malignant arrhythmia in cardiac and metabolic disease using CRISPR/Cpf1 genome editing Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$103,328



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RHODE ISLAND

Augustine Kang, BSc, MSc, MA

Program Type: Predoctoral Fellowship Institution: Brown University City: Providence

Project Title: Poor Sleep Quality Among Hispanic Children: Formative Research with

Working Hispanic Parents to Develop an Intervention Award Start Date: 7/1/2018 Award

End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$53,688

RHODE ISLAND

Olin Liang, PhD

Program Type: Transformational Project Award Institution: Rhode Island Hospital City:

Providence Project Title: The role of endothelial to hematopoietic transition in the

pathogenesis of pulmonary hypertension Award Start Date: 7/1/2018 Award End Date:

6/30/2021 Total Years: 3 Total Award Amount: \$300,000