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American Heart Association Awardees by Program Type

Last Update: August 2019

Predoctoral Fellowship

Ammar Abdelrahman, BSC, MSc

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** the role of HCAR2 in regulation of retinal endothelial barrier function **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Brooke Ahern, BS

Program Type: Predoctoral Fellowship **Institution:** University of Kentucky, Lexington **City/State:** Lexington, KY **Project Title:** Myocardial Rad Modulation of the L-type Calcium Channel Provides Cardioprotection **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

John Ahrens, BS

Program Type: Predoctoral Fellowship **Institution:** Harvard University, Cambridge **City/State:** Cambridge, MA **Project Title:** Recapitulating Torsion in 3D Bioprinted, Multi-Layered Cardiac Tissue **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Mohammed Alkhouli, BA

Program Type: Predoctoral Fellowship **Institution:** Indiana University, Indianapolis **City/State:** Indianapolis, IN **Project Title:** The Role of MCTP2 in Cardiovascular Development **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Nadia Al-Sammaraie, MB, ChB, MS

Program Type: Predoctoral Fellowship **Institution:** University of South Carolina, Columbia **City/State:** Columbia, SC **Project Title:** Role of TGFbeta2 in cardiac outflow tract formation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Zaki Al-Yafeai, MBBS

Program Type: Predoctoral Fellowship **Institution:** Louisiana State University Health Sciences Center Shreveport **City/State:** Shreveport, LA **Project Title:** Integrin Affinity Modulation in Endothelial Activation and Atherosclerosis **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Vishnu Amaram, BS, MSc

Program Type: Predoctoral Fellowship **Institution:** Beckman Research Institute of City of Hope **City/State:** Duarte, CA **Project Title:** Role of Angiotensin II induced enhancer associated long non-coding RNA Alive in the chondrogenic transformation of VSMC **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Heidi Anderson, BS

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Evanston **City/State:** Evanston, IL **Project Title:** Investigating the regulation and functions of a mitochondrial membrane contact site **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Timothy Audam, BS, MS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Louisville **City/State:** Louisville, KY **Project Title:** Role of mitochondrial acetylation in heart failure **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Maria Balch, BA, MS

Program Type: Predoctoral Fellowship **Institution:** The Ohio State University **City/State:** Columbus, OH **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

Connor Balzer, BS

Program Type: Predoctoral Fellowship **Institution:** University of Oregon, Eugene **City/State:** Eugene, OR **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

Ruchi Bansal, MS

Program Type: Predoctoral Fellowship **Institution:** Indiana University, Indianapolis **City/State:** Indianapolis, IN **Project Title:** Mchr1 Cilia Mediated Signaling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Benjamin Barsi-Rhyne, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Developing nanobodies to detect and perturb beta-arrestin in living cells **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jonathan Bartko, BS

Program Type: Predoctoral Fellowship **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **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

Simranjot Bawa, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Kansas State University, Manhattan **City/State:** Manhattan, KS **Project Title:** Altered metabolism in TRIM32 deficient muscle. **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Kirollos Bechay, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Clarifying the Circuit for Stroke Recovery **Award Start Date:** 7/1/2018 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Tyler Benson, BA

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** Role of adipogenic cell-expressed Duffy antigen receptor for chemokines (DARC) in metabolic disease **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Danielle Berlin, BA

Program Type: Predoctoral Fellowship **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **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

Camilo Bermudez Noguera, BSE

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Machine learning to define the clinical and imaging features of heart failure in the setting of dementia. **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Paul Bernard, BS

Program Type: Predoctoral Fellowship **Institution:** Texas A&M University Health Science Center **City/State:** College Station, TX **Project Title:** Role of rocA polymorphisms on virulence and pathogenesis of serotype M28 group A streptococcus **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Brandon Berry, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **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

Katja Birker, BS

Program Type: Predoctoral Fellowship **Institution:** Sanford Burnham Prebys Medical Discovery Institute, La Jolla **City/State:** La Jolla, CA **Project Title:** Probing Hypoplastic Left Heart Syndrome candidate genes in the Drosophila heart **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jason Booe, BS

Program Type: Predoctoral Fellowship **Institution:** University of Oklahoma Health Sciences Center **City/State:** Oklahoma City, OK **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

Zsuzsanna Bordan, MS, BS

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** PBK, a Novel Regulator of Smooth Muscle Proliferation in Pulmonary Arterial Hypertension **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Maria Bortot, BSE, MSE, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Role of hydrodynamic forces on hemostasis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Michael Boyer, BS

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:** Philadelphia, PA **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

Susanna Brantley, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Dissecting How Diverse TGF-beta Signaling Responses Promote Different Cell Fate Decisions in a Tissue **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Melissa Brindise, BS

Program Type: Predoctoral Fellowship **Institution:** Purdue University, West Lafayette **City/State:** West Lafayette, IN **Project Title:** Assessing the Growth and Rupture of Cerebral Aneurysms Using 4D PIV and PC-MRI **Award Start Date:** 7/1/2017 **Award End Date:** 10/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

Richard Brizendine, BS

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

Eran Brown, BS

Program Type: Predoctoral Fellowship **Institution:** Oregon Health & Science University, Portland **City/State:** Portland, OR **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

Ninghe Cai, BA

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **Project Title:** Torque Perceptual Ability while Lifting in Individuals with Chronic Hemiparetic Stroke **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Patrick Calhoun, BS

Program Type: Predoctoral Fellowship **Institution:** Virginia Polytechnic Institute **City/State:** Blacksburg, VA **Project Title:** Adenovirus targets cardiac gap junctions to facilitate viral replication **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Manuel E Cantu Gutierrez, BS

Program Type: Predoctoral Fellowship **Institution:** Baylor College of Medicine, Houston
City/State: Houston, TX **Project Title:** DETERMINING THE ROLE OF ERG IN VASCULAR
HOMEOSTASIS DURING DEVELOPMENT **Award Start Date:** 1/1/2019 **Award End Date:**
12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Nolan Carew, BS

Program Type: Predoctoral Fellowship **Institution:** University of Pittsburgh **City/State:**
Pittsburgh, PA **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

Courtney Carlson, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, Irvine
City/State: Irvine, CA **Project Title:** Developing a novel molecular memory recording
system to interrogate the role of hypoxia in cardiogenesis **Award Start Date:** 1/1/2019
Award End Date: 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Michelle Chan, BSN

Program Type: Predoctoral Fellowship **Institution:** University of California, Irvine
City/State: Irvine, CA **Project Title:** Exploring the gut microbiota role in post-stroke
depression and rehabilitation **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019
Total Years: 2 **Total Award Amount:** \$53,688

Kai Chang, BS

Program Type: Predoctoral Fellowship **Institution:** Iowa State University **City/State:**
Ames, IA **Project Title:** The roles of TGF- β /Activin and mTORC2 signaling in Cardiac
Aging **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total
Award Amount:** \$53,688

Ninad Chaudhary, MBBS, MPH

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at
Birmingham **City/State:** Birmingham, AL **Project Title:** How inflammation and High
Density Lipoproteins affect the relationship between APOL1 and outcomes **Award Start
Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:**
\$53,688



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Ann Chen, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Oral delivery of glyburide-loaded nanoparticles for ischemic stroke treatment **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Hung-Hsin Chen, MS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** The comprehensive genetic architecture for circulating lipid traits: from GWAS and, transcriptome to PheWAS **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jiapei Chen, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Role of pericyte in the pathogenesis of germinal matrix hemorrhage **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jie Chen, BA

Program Type: Predoctoral Fellowship **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** Rapid palmitoylation of signaling proteins in response to beta-adrenergic stimulation in cardiomyocytes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Shang-Yang Chen, BS

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **Project Title:** Elucidating the Roles of Resident Cardiac Macrophages in Post-Infarction Reperfusion Injury **Award Start Date:** 1/1/2019 **Award End Date:** 2/28/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Xi Chen, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Loyola University Medical Center **City/State:** Maywood, IL **Project Title:** Defining the roles of lipases in the pathogenesis of Staphylococcus aureus **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688



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Deborah Chin, BS

Program Type: Predoctoral Fellowship **Institution:** University of Southern California
City/State: Los Angeles, CA **Project Title:** Targeting atherosclerotic calcification by multimodal miR-145 micelles **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020
Total Years: 2 **Total Award Amount:** \$53,688

Tova Christensen, BS

Program Type: Predoctoral Fellowship **Institution:** University of Colorado, Boulder
City/State: Boulder, CO **Project Title:** The Role of the Cardiac Fibroblast Secretome in Fibrosis **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

Didar Ciftci, BS

Program Type: Predoctoral Fellowship **Institution:** Weill Medical College of Cornell University
City/State: New York, NY **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

Bonnie Cole, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, San Francisco
City/State: San Francisco, CA **Project Title:** Determine How Transcription Factor Complexes Regulate Differentiation of Human Cardiac Progenitor Cells **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Mitchel Colebank, BS

Program Type: Predoctoral Fellowship **Institution:** North Carolina State University
City/State: Raleigh, NC **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

Hannah Cooper, BA

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:** Philadelphia, PA
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



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Daniella Corporan, BS

Program Type: Predoctoral Fellowship **Institution:** Emory University, Atlanta
City/State: Atlanta, GA **Project Title:** Mechanobiology of Cardiac Remodeling in
Volume Overload from Severe Mitral Regurgitation: Mechanisms to Therapies **Award
Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:**
\$53,688

Alexandre Couto E Silva, BS

Program Type: Predoctoral Fellowship **Institution:** Louisiana State University Health
Sciences Center Shreveport **City/State:** Shreveport, LA **Project Title:** Consequences of
Palmitic Acid Methyl Ester in Cerebral Ischemia **Award Start Date:** 1/1/2019 **Award End
Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Andrea Cuentas Condori, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:**
Nashville, TN **Project Title:** Molecular and cellular determinants of bouton plasticity
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award
Amount:** \$53,688

Chuanlong Cui, MS, BS

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

Spencer Cushen, BS

Program Type: Predoctoral Fellowship **Institution:** University of North Texas Health
Science Center, Fort Worth **City/State:** Fort Worth, TX **Project Title:** Trophoblast-
induced maternal cardiovascular dysfunction in pregnancy **Award Start Date:** 7/1/2018
Award End Date: 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Shataakshi Dahal, BSE

Program Type: Predoctoral Fellowship **Institution:** Cleveland Clinic Foundation
City/State: Cleveland, OH **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



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Panshak Dakup, BA

Program Type: Predoctoral Fellowship **Institution:** Washington State University, Spokane **City/State:** Spokane, WA **Project Title:** Harnessing the circadian clock to attenuate radiation-induced cardiotoxicity **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Deena Damschroder, BA

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

Gwendolyn Davis, BS

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

Elena Dent, BS, MS

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

Kavya Devarakonda, BS

Program Type: Predoctoral Fellowship **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **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

Siva Teja Devarakonda, BS

Program Type: Predoctoral Fellowship **Institution:** Virginia Commonwealth University, Richmond **City/State:** Richmond, VA **Project Title:** Relaxin signaling in post myocardial infarction associated adverse remodeling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Dante Disharoon, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Colorado School Of Mines **City/State:** Golden, CO **Project Title:** Magnetically Controlled Drug Delivery Colloids for Rapid Fibrinolysis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Alexandria Doerfler, BS

Program Type: Predoctoral Fellowship **Institution:** Baylor College of Medicine, Houston
City/State: Houston, TX **Project Title:** The Role of the Mevalonate Pathway in Lipid
Absorption and Storage **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total
Years:** 2 **Total Award Amount:** \$53,688

Weilai Dong, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New
Haven, CT **Project Title:** Inspect Genomic Architecture of Congenital Heart Disease by
Integrating SNVs and CNVs **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020
Total Years: 2 **Total Award Amount:** \$53,688

Jonathan Dorigatti, BS

Program Type: Predoctoral Fellowship **Institution:** University of Texas Health Science
Center at San Antonio **City/State:** San Antonio, TX **Project Title:** Beta-
Guanidinopropionic acid as an Intervention Targeting Health-span **Award Start Date:**
1/1/2019 **Award End Date:** 4/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Julia Dreifus, BS

Program Type: Predoctoral Fellowship **Institution:** University of Washington, Seattle
City/State: Seattle, WA **Project Title:** Defining the Staphylococcus biofilm matrix
proteome **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total
Award Amount:** \$53,688

Silvia Duarte-Sanmiguel, BSC

Program Type: Predoctoral Fellowship **Institution:** The Ohio State University **City/State:**
Columbus, OH **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

Vasin Dumrongprechachan, BS

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Evanston
City/State: Evanston, IL **Project Title:** Proteomic landscape of genetically targeted
neural systems **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2
Total Award Amount: \$53,688



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Katelyn Dunigan, BS

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Protective Effects of Thioredoxin Reductase Inhibition in the Lung: Regulation and Contribution of Heme Oxygenase-1 **Award Start Date:** 1/1/2019 **Award End Date:** 5/31/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Selma Elsarrag, BSC

Program Type: Predoctoral Fellowship **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** Investigating the Regulation of TNF-alpha/IFN-gamma Synergy by Transcriptional Coactivators in Endothelial Cells **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jason Engel, BSE

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

Liana Engie, BA

Program Type: Predoctoral Fellowship **Institution:** University of Southern California **City/State:** Los Angeles, CA **Project Title:** Genetic Regulation in Congenital Heart Defects: Studying Functionality of eRNAs Identified Through Non-Coding GWAS **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Patrick Ernst, BA

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Cell Death Mechanisms in Induced Pluripotent Stem Cell-Derived Cardiomyocytes Using Mitochondrial Optogenetics **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Kobina Essandoh, MSc, BS

Program Type: Predoctoral Fellowship **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **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



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Brandon Farmer, BS

Program Type: Predoctoral Fellowship **Institution:** University of Kentucky, Lexington
City/State: Lexington, KY **Project Title:** Apolipoprotein E4 Alters Cerebral Lipid
Metabolism **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2
Total Award Amount: \$53,688

Veronica Farmer, BA

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:**
Nashville, TN **Project Title:** Investigating the role of the GTP hydrolysis rate in regulation
of microtubule stability **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total
Years:** 2 **Total Award Amount:** \$53,688

Krista Fjeld, BS

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony
Brook, NY **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

Carson Fox, MS, BS

Program Type: Predoctoral Fellowship **Institution:** Drexel University **City/State:**
Philadelphia, PA **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

Miles Freeman, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Washington, Seattle
City/State: Seattle, WA **Project Title:** Cardiomyocyte Dedifferentiation and
Proliferation via Partial Reprogramming **Award Start Date:** 1/1/2019 **Award End Date:**
2/28/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Priyanka Gajwani, BS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago
City/State: Chicago, IL **Project Title:** Phosphorylation of PFKFB3, a regulator of
glycolysis, as an adaptive mechanism in Acute Lung Injury **Award Start Date:** 7/1/2018
Award End Date: 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Peiheng Gan, BS

Program Type: Predoctoral Fellowship **Institution:** University of Southern California
City/State: Los Angeles, CA **Project Title:** The roles of Tnni3k in mammalian heart
regeneration and cardiac conduction system diseases **Award Start Date:** 7/1/2018
Award End Date: 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Shashank Gandhi, BS, MS

Program Type: Predoctoral Fellowship **Institution:** California Institute of Technology, Pasadena **City/State:** Pasadena, CA **Project Title:** Identification of molecular mechanisms governing cardiac neural crest specification **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Ping Gao, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Albany Medical College **City/State:** Albany, NY **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

Siqi Gao, BS

Program Type: Predoctoral Fellowship **Institution:** University of Oklahoma Health Sciences Center **City/State:** Oklahoma City, OK **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

Joshua Garcia, BS

Program Type: Predoctoral Fellowship **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** Differential regulation of GABAAR trafficking during OGD in vulnerable and resistant neuronal populations. **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Riddhiman Garge, BSE

Program Type: Predoctoral Fellowship **Institution:** The University of Texas at Austin **City/State:** Austin, TX **Project Title:** Humanized yeast as a tool to understand allelic variation and epistatic regulation affecting cholesterol biosynthesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Katerina Gawronski, BS

Program Type: Predoctoral Fellowship **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **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



**American
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Mengyuan Ge, MB, MS

Program Type: Predoctoral Fellowship **Institution:** University of Miami, Miami
City/State: Coral Gables, FL **Project Title:** The Role of APOL1 and Cholesterol
Dependent Podocyte Injury in Focal Segmental Glomerulosclerosis **Award Start Date:**
7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Moriah Gildart, BS

Program Type: Predoctoral Fellowship **Institution:** University of Connecticut,
Farmington **City/State:** Farmington, CT **Project Title:** Regulation of Ryanodine Receptor
Released Perinuclear Calcium by the mAKAP complex **Award Start Date:** 7/1/2018
Award End Date: 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Erich Goebel, BS

Program Type: Predoctoral Fellowship **Institution:** University of Cincinnati **City/State:**
Cincinnati, OH **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

Madeleine Gomel, BS

Program Type: Predoctoral Fellowship **Institution:** Rice University **City/State:** Houston,
TX **Project Title:** Limiting Bioprosthetic Valve Calcification using a Durable Hydrogel
Layer for In Situ Endothelialization **Award Start Date:** 7/1/2018 **Award End Date:**
6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Catherine Gorick, BS

Program Type: Predoctoral Fellowship **Institution:** University of Virginia, Charlottesville
City/State: Charlottesville, VA **Project Title:** Ultrasound-targeted miR-199a inhibition to
promote therapeutic revascularization **Award Start Date:** 7/1/2018 **Award End Date:**
6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Gabriel Grilo, BS

Program Type: Predoctoral Fellowship **Institution:** East Carolina University **City/State:**
Greenville, NC **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

Stephen Gross, MS, BS

Program Type: Predoctoral Fellowship **Institution:** University of Denver **City/State:**
Denver, CO **Project Title:** Vascular Regulation of Collagen IV Polarized Secretion by
Rab10 GTPase **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$53,688



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Steven Grzegorski, BA

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

Omar Guessoum, BSC

Program Type: Predoctoral Fellowship **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** Plasticity of Renin Cells in the Kidney Vasculature **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Erika Guise, BS

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

Lilong Guo, MBBS, MS

Program Type: Predoctoral Fellowship **Institution:** Medical University of South Carolina **City/State:** Charleston, SC **Project Title:** Primary Cilia and Mitral Valve Prolapse **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Yukuang Guo, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **Project Title:** The role of gut bacteria in tacrolimus disposition **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Aspen Gutgsell, BS

Program Type: Predoctoral Fellowship **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **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



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Meredith Gwin, BSC, AA, AS

Program Type: Predoctoral Fellowship **Institution:** University of South Alabama, Mobile
City/State: Mobile, AL **Project Title:** Gamma Secretase Activating Protein is Necessary
for Endothelial Production of Cytotoxic Beta Amyloid **Award Start Date:** 1/1/2019
Award End Date: 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Andrew Hagan, BS

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

Xu Han, MS, BS

Program Type: Predoctoral Fellowship **Institution:** Case Western Reserve University
City/State: Cleveland, OH **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

Ian Harding, BS

Program Type: Predoctoral Fellowship **Institution:** Northeastern University, Boston
City/State: Boston, MA **Project Title:** The Endothelial Glycocalyx and Blood-Brain
Barrier Integrity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$53,688

Eric Hartman, BS, BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins Bloomberg School of
Public Health/Johnson & Johnson Community **City/State:** Baltimore, MD **Project Title:**
Cholesterol and nutrient acquisition by the heart pathogen *Toxoplasma gondii* **Award
Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:**
\$53,688

Landon Haslem, BSC

Program Type: Predoctoral Fellowship **Institution:** University of Oklahoma Health
Sciences Center **City/State:** Oklahoma City, OK **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



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David Henson, BA

Program Type: Predoctoral Fellowship **Institution:** University of Kentucky, Lexington
City/State: Lexington, KY **Project Title:** Modulation of antibodies targeting
apolipoprotein A-I to reduce atherosclerosis in a mouse model **Award Start Date:**
1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Anita Nayo Hill, BS, PT

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago
City/State: Chicago, IL **Project Title:** Quantification of Upper Extremity Motor
Impairments in Pediatric Hemiplegia **Award Start Date:** 7/1/2018 **Award End Date:**
8/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Alexander Hoachlandr-Hobby, BS

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:**
Philadelphia, PA **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

Plansky Hoang, BS

Program Type: Predoctoral Fellowship **Institution:** Syracuse University **City/State:**
Syracuse, NY **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

Matthew Hoffman, BA

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:**
Philadelphia, PA **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

Evelyn Hoover, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, Irvine
City/State: Irvine, CA **Project Title:** Regulation of Thrombosis During Vascular Infection
Award Start Date: 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award
Amount:** \$53,688



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Jiangnan Hu, MD, MS

Program Type: Predoctoral Fellowship **Institution:** University of North Texas Health Science Center, Fort Worth **City/State:** Fort Worth, TX **Project Title:** Cerebral Organoids as a Tissue-based Therapy for Chronic Ischemic Stroke **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Minxuan Huang, BS, ScM

Program Type: Predoctoral Fellowship **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** Sleep and Autonomic Function as Pathways of Cardiovascular Risk in Depression **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jiuzhou Huo, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Cincinnati Children's Hospital Medical Center **City/State:** Cincinnati, OH **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

Duygu Islek, MD, MSc

Program Type: Predoctoral Fellowship **Institution:** Emory University, Atlanta **City/State:** Atlanta, GA **Project Title:** Race differences in coronary heart disease incidence and recurrent acute myocardial infarction: a community study **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Holly Jacobs, BA

Program Type: Predoctoral Fellowship **Institution:** University of Washington, Seattle **City/State:** Seattle, WA **Project Title:** Identifying and characterizing extracellular matrix-associated proteins in *Pseudomonas aeruginosa* **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

John Jamieson, BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University **City/State:** Baltimore, MD **Project Title:** A Tissue Engineered Human Blood-Brain Barrier for Modeling 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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Yajing Ji, MS, BS

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

Xiaqing Jiang, MPH, MB

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

Camryn Johnson, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Targeting cadherin-11 decreases inflammation in atherosclerotic plaques **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jordan Johnson, BS

Program Type: Predoctoral Fellowship **Institution:** University of Utah **City/State:** Salt Lake City, UT **Project Title:** Linking Phosphatidylcholine Synthesis to Thermogenesis **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Emily Johnston, BS, MPH

Program Type: Predoctoral Fellowship **Institution:** Pennsylvania State University, University Park **City/State:** University Park, PA **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

Jamie Johnston, BS, AA

Program Type: Predoctoral Fellowship **Institution:** Florida State University **City/State:** Tallahassee, FL **Project Title:** Elucidating the functional role of nuclear troponin in the mammalian heart. **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Tatjana Josefs, BSC, MSc

Program Type: Predoctoral Fellowship **Institution:** New York University School of Medicine **City/State:** New York, NY **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

Amelia Joslin, BS

Program Type: Predoctoral Fellowship **Institution:** University of Chicago **City/State:** Chicago, IL **Project Title:** Dissecting the genetics of cardiovascular-related phenotypes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Asher Kahn-Krell, BA, BS

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Improved Myocardial Infarct Repair via Implantation of Inducible Cyclin D2 Expressing iPS-derived Cardiomyocytes **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Amala Kaja, MSc

Program Type: Predoctoral Fellowship **Institution:** Southern Illinois University, Carbondale **City/State:** Carbondale, IL **Project Title:** Elucidating new regulatory mechanisms of gene expression associated with cardiac diseases. **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Augustine Kang, BSC, MSc, MA

Program Type: Predoctoral Fellowship **Institution:** Brown University **City/State:** Providence, RI **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

Caroline Keroack, MS, BA, BA

Program Type: Predoctoral Fellowship **Institution:** Harvard School of Public Health **City/State:** Boston, MA **Project Title:** Elucidation of Cold Response In Babesia: Implications for Transfusion Transmission **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Vic Keschrumrus, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Arizona, Tucson
City/State: Tucson, AZ **Project Title:** Titin-based Dilated Cardiomyopathy Modeled in Engineered Heart Tissues **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Valerie Khayyo, BA

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY **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

Lea Kiefer, BA

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Elucidating the mechanism of JQ1 in heart failure by temporal RNA sequencing **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Johoon Kim, BS, MSE

Program Type: Predoctoral Fellowship **Institution:** University of Pennsylvania
City/State: Philadelphia, PA **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

Keehun Kim, BS

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

Junsuk Ko, BSC

Program Type: Predoctoral Fellowship **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** Downregulation of Cleavage Factor 25 by TGFbeta1 Contributes to Pulmonary Fibrosis through Alternative Polyadenylation **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Alexandros Kokkosis, BS, MS

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY **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

Revanth Kosaraju, BS

Program Type: Predoctoral Fellowship **Institution:** Beth Israel Deaconess Medical Center **City/State:** Boston, MA **Project Title:** Microfluidic Printing for Controlled Assembly of Arterial Substitutes with Native Microstructure **Award Start Date:** 1/1/2019 **Award End Date:** 4/30/2020 **Total Years:** 1 **Total Award Amount:** \$26,844

Deepa Kumari, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **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

Jackson Kyle, BA

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY **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

Wesley Labarge, BS

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Maturing Cyclin-D2 overexpressed hiPSC-CM Spheroid Tissues for the Improvement of LV Function after MI **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Yun-Ju Lai, BS, MS, BSN, PhD

Program Type: Predoctoral Fellowship **Institution:** The University of Texas Health Science Center at Houston **City/State:** Houston, TX **Project Title:** PD-L1 mediated T cell infiltration across the blood-brain barrier in aging and stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Phil Lange, BS

Program Type: Predoctoral Fellowship **Institution:** Medical College of Wisconsin
City/State: Milwaukee, WI **Project Title:** Beyond the Liver: A novel antiviral role for liver X receptors **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Stephanie Lau, BA

Program Type: Predoctoral Fellowship **Institution:** New York University School of Medicine **City/State:** New York, NY **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

Son Le, BS, AA

Program Type: Predoctoral Fellowship **Institution:** Duke University Medical Center
City/State: Durham, NC **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

Wei Ting Chelsea Lee, BS

Program Type: Predoctoral Fellowship **Institution:** New York University School of Medicine **City/State:** New York, NY **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

Woojong Lee, BS

Program Type: Predoctoral Fellowship **Institution:** University of Wisconsin, Madison
City/State: Madison, WI **Project Title:** A novel adjuvanted atherosclerosis vaccine for eliciting humoral and cell-mediated immunity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Stephen Lenzini, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago
City/State: Chicago, IL **Project Title:** Biomaterial strategy to control delivery of extracellular vesicles for the treatment of acute lung injury **Award Start Date:** 1/1/2019
Award End Date: 4/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Chenxiao Li, BS

Program Type: Predoctoral Fellowship **Institution:** University of Georgia, Athens
City/State: Athens, GA **Project Title:** Surfactant protein A in abdominal aortic aneurysm formation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Hailun Li, BA

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

Xiang Li, MS, MD

Program Type: Predoctoral Fellowship **Institution:** Tulane University, New Orleans **City/State:** New Orleans, LA **Project Title:** Novel Method to Detect the Gene-Diet Interaction Combining Cohort Studies and Intervention Trial **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Xiruo Li, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** The Mechanisms for the Anti-Diabetic Effect of Adiponectin **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Xiuqi Li, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Dissecting the Mechanism of FGF23 Elevation and Its Cardiac Consequences in Iron Deficiency Anemia **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Yan Li, BS, MS, MS

Program Type: Predoctoral Fellowship **Institution:** University of California, Irvine **City/State:** Irvine, CA **Project Title:** Development of high speed OCT/US/NIRF tri-modality intravascular imaging for Characterization of Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Yutian Li, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **Project Title:** Role of Sectm1a 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



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Zhaojin Li, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Vermont, Burlington
City/State: Burlington, VT **Project Title:** Mechanisms of hypertension-induced vasoconstriction in leptomeningeal anastomoses **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Wenying Liang, BS

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

Sanghee Lim, BA

Program Type: Predoctoral Fellowship **Institution:** Boston University Medical Campus
City/State: Boston, MA **Project Title:** Molecular characterization of STK25 as a novel regulator of energy homeostasis via the Hippo and mTOR signaling pathways **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

Huiping Lin, BS

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City/State:** Augusta, GA
Project Title: Macropinocytosis: The Macrophage Drinking Problem Behind Atherosclerosis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Zixuan Lin, BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine
City/State: Baltimore, MD **Project Title:** Non-contrast MR imaging of blood-brain-barrier permeability in small vessel disease **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Liu Liu, MD, MS

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



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Minliang Liu, BS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation
City/State: Atlanta, GA **Project Title:** A novel computational framework for estimation
of in vivo material properties of the aortic wall from 3D CT images **Award Start Date:**
1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Ting Liu, MD

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City/State:**
Augusta, GA **Project Title:** Role of Class III Phosphatidylinositol-3 Kinase in
Compensatory Nephron Hypertrophy **Award Start Date:** 7/1/2018 **Award End Date:**
6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Yue Liu, MBBS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University **City/State:**
Baltimore, MD **Project Title:** Role of Sam68 in Diabetic Cardiomyopathy Pathogenesis
Award Start Date: 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award
Amount:** \$53,688

Andrew Lopez, BS

Program Type: Predoctoral Fellowship **Institution:** Baylor College of Medicine, Houston
City/State: Houston, TX **Project Title:** Heart Contraction Regulates the Embryonic
Heart's Extracellular Matrix Organization and Composition **Award Start Date:** 1/1/2019
Award End Date: 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Justin Lowenthal, BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of
Medicine **City/State:** Baltimore, MD **Project Title:** Developmentally-Mimetic
Engineering of Cardiovascular Tissues **Award Start Date:** 1/1/2019 **Award End Date:**
12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Rachel Luehrs, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City
City/State: Iowa City, IA **Project Title:** Static Lung Hyperinflation and Sympathetic
Nerve Activity-Associated Large Artery Stiffness in COPD Patients **Award Start Date:**
1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Lingfeng Luo, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Rochester Medical
Center **City/State:** Rochester, NY **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



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Han Ly, BS

Program Type: Predoctoral Fellowship **Institution:** University of Kentucky, Lexington
City/State: Lexington, KY **Project Title:** Role of diabetes-associated amylin
dyshomeostasis in stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total
Years:** 2 **Total Award Amount:** \$53,688

Sabrina Lynch, BSE, MS

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

Wanqing Lyu, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New
Haven, CT **Project Title:** Regulation Mechanism of Microtubules by Abl2 **Award Start
Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:**
\$53,688

Ngonidzashe Madungwe, BS

Program Type: Predoctoral Fellowship **Institution:** University of Texas Health Science
Center at San Antonio **City/State:** San Antonio, TX **Project Title:** Insights into Chronic
Post-Ischemic G Protein-Coupled Estrogen Receptor 1-Induced Cardioprotection: Role
of MST1/YAP **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$53,688

Samiksha Mahapatra, MSc, BSC

Program Type: Predoctoral Fellowship **Institution:** Georgetown University **City/State:**
Washington, DC **Project Title:** Next Generation Stem Cell-Cardiomyocyte Interactions:
Focusing on the paracrine effector approach **Award Start Date:** 1/1/2019 **Award End
Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Victoria Mastej, BS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago
City/State: Chicago, IL **Project Title:** Kruppel like Factor-4 is a novel suppressor of
lymphatic inflammation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total
Years:** 2 **Total Award Amount:** \$53,688



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Jason Mccoy, BS

Program Type: Predoctoral Fellowship **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **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

Jeff Mcfarlane, BS, MA

Program Type: Predoctoral Fellowship **Institution:** University of Kansas, Lawrence **City/State:** Lawrence, KS **Project Title:** Staphylopine Biosynthesis as an Antimicrobial Target in Staphylococcus aureus Infective Endocarditis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Zong Miao, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Transcriptional changes affecting cardiometabolic traits in Mexicans **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Christos Michas, BSEE

Program Type: Predoctoral Fellowship **Institution:** Boston University, Boston **City/State:** Boston, MA **Project Title:** Studying the effects of hemodynamic load on cardiac adaptive remodeling using a novel valve-based micro-heart platform **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Emily Mihalko, BS

Program Type: Predoctoral Fellowship **Institution:** North Carolina State University **City/State:** Raleigh, NC **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

Kathleen Miller-Rhodes, BS

Program Type: Predoctoral Fellowship **Institution:** University of Rochester Medical Center **City/State:** Rochester, NY **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



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Samia Mohammed, MA, BA

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY **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

Priya Mohindra, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, San Francisco **City/State:** San Francisco, CA **Project Title:** Microstructural cues for mechanosensitive regulation of fibrosis and enhanced vascularization of post-infarct myocardium **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Madeline Monroe, BS

Program Type: Predoctoral Fellowship **Institution:** Rice University **City/State:** Houston, TX **Project Title:** Investigating Effects of 3D Extracellular Environment on Aortic Valve Cell Calcification **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Zachary Motz, BS, MS

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

Anish Mukherjee, BSE, MS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation **City/State:** Atlanta, GA **Project Title:** Modulation of Lymphatic Contractility by Oscillatory Mechanical Forces **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Shreya Tapan Mukherji, BS

Program Type: Predoctoral Fellowship **Institution:** Marshall University Research Corporation, Huntington **City/State:** Huntington, WV **Project Title:** Renal Proximal Tubule Na,K-ATPase-alpha1/Src signaling mediated salt handling and blood pressure regulation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Sean Murphy, BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University **City/State:** Baltimore, MD **Project Title:** The use of small molecule activation of PPAR/PGC1a to promote pluripotent stem cell-derived cardiomyocyte maturation **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Shwetha Narasimhan, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** CLASP-dependent regulation of vascular smooth muscle cell contractility **Award Start Date:** 7/1/2018 **Award End Date:** 12/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Victoria Nasci, BA

Program Type: Predoctoral Fellowship **Institution:** Medical College of Wisconsin **City/State:** Milwaukee, WI **Project Title:** microRNA Contribution to CVD with ESRD and Peritoneal Dialysis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Nawar Naseer, BA

Program Type: Predoctoral Fellowship **Institution:** University of Pennsylvania **City/State:** Philadelphia, PA **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

Quynh Nguyen, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Characterizing CD4+ tissue-resident memory T cells in non-lymphoid tissues **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Sigrid Noreng, BS

Program Type: Predoctoral Fellowship **Institution:** Oregon Health & Science University, Portland **City/State:** Portland, OR **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

James Oconnor, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Calcium signaling dynamics in the early response to wounds **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688



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Samantha Odwyer, BA

Program Type: Predoctoral Fellowship **Institution:** University of California, Davis
City/State: Davis, CA **Project Title:** The function of BIN1 in vascular smooth muscle
Award Start Date: 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Tolani Olonisakin, BA

Program Type: Predoctoral Fellowship **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **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

James Osei-Owusu, BSC, MSc

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** Role of Volume-Regulated Anion Channel in Glutamate Release and Ischemic Stroke **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Tricia Oyster, BSE

Program Type: Predoctoral Fellowship **Institution:** The Ohio State University **City/State:** Columbus, OH **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

Sierra Palumbos, BA

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** A transcriptionally-regulated G-protein signaling pathway directs assembly of neuron-specific gap junctions **Award Start Date:** 1/1/2019 **Award End Date:** 5/31/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Vanja Panic, BS

Program Type: Predoctoral Fellowship **Institution:** University of Utah **City/State:** Salt Lake City, UT **Project Title:** Determining the mechanisms of insulin independent glucose uptake **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

Pravin Patel, BA

Program Type: Predoctoral Fellowship **Institution:** Thomas Jefferson University **City/State:** Philadelphia, PA **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



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Luke Perreault, BS, ME

Program Type: Predoctoral Fellowship **Institution:** Tufts University, Medford **City/State:** Medford, MA **Project Title:** Organ engineering in the context of developmental biology: ECM developmental age effects on organ recellularization **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Anthony Pettinato, BS

Program Type: Predoctoral Fellowship **Institution:** University of Connecticut, Farmington **City/State:** Farmington, CT **Project Title:** Functional analysis of human cardiac troponin T mutations **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Thanh Pham, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, Los Angeles **City/State:** Los Angeles, CA **Project Title:** Pericytes in stroke repair and recovery. **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Alexander Polino, BA

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

Gwendolyn Porter, BS, MSc

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

Donna Poscablo, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of California, Santa Cruz **City/State:** Santa Cruz, CA **Project Title:** Defining Cellular and Molecular Mechanisms of the Age-Specific Platelet Pathway **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Roza Przanowska, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Virginia, Charlottesville
City/State: Charlottesville, VA **Project Title:** Structure-function studies of lncRNAs involved in myogenesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Suba Rajendren, BS

Program Type: Predoctoral Fellowship **Institution:** Indiana University, Bloomington
City/State: Bloomington, IN **Project Title:** Molecular mechanisms to regulate substrate selectivity of A-to-I RNA editing **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Paola Ramos, BS

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

Megan Rasmussen, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Non-apoptotic function of MCL-1 in regulating mitochondrial dynamics and metabolism in iPSC-derived cardiomyocytes **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Elizabeth Regan, PT, BBA

Program Type: Predoctoral Fellowship **Institution:** University of South Carolina, Columbia **City/State:** Columbia, SC **Project Title:** Integrating Stroke Survivors into Cardiac Rehabilitation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Bruno Rego, BS, MSE

Program Type: Predoctoral Fellowship **Institution:** The University of Texas at Austin **City/State:** Austin, TX **Project Title:** Characterization of Patient-Specific Mitral Valve Remodeling to Improve Surgical Repair **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Lu Ren, MS, MD

Program Type: Predoctoral Fellowship **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Regulation of pacemaker cells **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Sandra Riad, BSc, MSc

Program Type: Predoctoral Fellowship **Institution:** Baylor College of Medicine, Houston
City/State: Houston, TX **Project Title:** The Hippo Pathway and the Cardiac Metabolic
Dynamics after Injury **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total
Years:** 2 **Total Award Amount:** \$53,688

Andrew Riching, BS

Program Type: Predoctoral Fellowship **Institution:** University of Colorado Denver
City/State: Denver, CO **Project Title:** Regulation of Cardiomyogenesis by TGF-beta
signaling **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total
Award Amount:** \$53,688

Erika Riederer, BA

Program Type: Predoctoral Fellowship **Institution:** Oregon Health & Science University,
Portland **City/State:** Portland, OR **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

Brittany Ripley, BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City
City/State: Iowa City, IA **Project Title:** Rad18: the master regulator of Translesion
Synthesis **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total
Award Amount:** \$53,688

Irene Rodriguez Sanchez, BS, MBA, MS

Program Type: Predoctoral Fellowship **Institution:** University of Rochester Medical
Center **City/State:** Rochester, NY **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

Anna Roto, BS, BS, MS, MPH

Program Type: Predoctoral Fellowship **Institution:** Boston University, Boston **City/State:**
Boston, MA **Project Title:** Soft Robotic Exercise Intervention for Enhancing
Neuroplasticity After Stroke **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021
Total Years: 2 **Total Award Amount:** \$53,688

T Jake Samuel, BS, MS

Program Type: Predoctoral Fellowship **Institution:** The University of Texas at Arlington
City/State: Arlington, TX **Project Title:** Ischemia-mediated diastolic dysfunction in
women with coronary microvascular dysfunction **Award Start Date:** 7/1/2018 **Award
End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Sarah Sapouckey, BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City
City/State: Iowa City, IA **Project Title:** Mechanisms of the Arcuate Nucleus Leptin-Angiotensin Interaction in the Control of Metabolism **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Hannah Saternos, BSC, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Toledo Health Science Campus **City/State:** Toledo, OH **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

Giana Schena, BS

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:** Philadelphia, PA **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

Elizabeth Schroeder, BA, MS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **Project Title:** Effect of age and fitness on vascular function and oxidative stress during acute inflammation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Max-Hinderk Schuler, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Utah **City/State:** Salt Lake City, UT **Project Title:** Regulation of Mitochondrial Metabolism by the Mitochondrial Derived Compartment Pathway **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Riyad Seervai, BS, BA

Program Type: Predoctoral Fellowship **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** The Role of SETD2 Methylation in Regulating the Actin Cytoskeleton **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Joe Seimetz, BS

Program Type: Predoctoral Fellowship **Institution:** University of Illinois, Champaign-Urbana **City/State:** Urbana, IL **Project Title:** Investigating the unexpected role of nuclear poly(A) binding protein (PABPN1) in cardiac growth and hypertrophy **Award Start Date:** 7/1/2017 **Award End Date:** 12/30/2019 **Total Years:** 2 **Total Award Amount:** \$53,688

Lauren Sestito, BS

Program Type: Predoctoral Fellowship **Institution:** Georgia Tech Research Corporation **City/State:** Atlanta, GA **Project Title:** Activating calcium channels with lymphatic-targeted nanoparticles for the treatment of lymphatic dysfunction **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Lorenzo Sewanan, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Dissecting Contractility, Power, and Work in Human Engineered Heart Tissues with Hypertrophic Cardiomyopathy Mutations **Award Start Date:** 1/1/2019 **Award End Date:** 5/31/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Soham Shah, BS

Program Type: Predoctoral Fellowship **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** Molecular Mechanisms of MRI Adenosine Stress T1 Mapping **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jia Shen, BS, MS

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY **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

Lijie Shi, MS, BS

Program Type: Predoctoral Fellowship **Institution:** Albert Einstein College of Medicine **City/State:** Bronx, NY **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



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Luyao Shi, MS, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Direct Parametric Image Reconstruction for Dynamic Cardiac SPECT with Event-by-Event Simultaneous Motion Correction **Award Start Date:** 7/1/2018 **Award End Date:** 11/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Urvi Nikhil Shroff, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Southern California **City/State:** Los Angeles, CA **Project Title:** Macula densa targeting to promote renal and systemic angiogenesis **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Mitchell Simon, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of California, Davis **City/State:** Davis, CA **Project Title:** Mechanisms of CaMKII δ Regulation by S-Nitrosylation in the Heart **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Anjali Sivaramakrishnan, BS, MPT

Program Type: Predoctoral Fellowship **Institution:** University of Illinois at Chicago **City/State:** Chicago, IL **Project Title:** Understanding the neural effects of non-invasive brain stimulation enhanced aerobic exercise in stroke survivors **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Mohamad Mahdi Sleiman, BS

Program Type: Predoctoral Fellowship **Institution:** Medical University of South Carolina **City/State:** Charleston, SC **Project Title:** Strategies to Improve Early Injury and Promote Long Term Tolerance post Cardiac Transplants **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

John Snider, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Targeting 5-HT_{2B} to improve cardiac function following myocardial infarction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Tatiana Soboleva, BS

Program Type: Predoctoral Fellowship **Institution:** Utah State University **City/State:** Logan, UT **Project Title:** Carbon Monoxide and Cardioprotection, New Flavonol-based Molecular Tools **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Jiunn Song, BA

Program Type: Predoctoral Fellowship **Institution:** Harvard Medical School **City/State:** Boston, MA **Project Title:** Mechanism of protein targeting to lipid droplets and implications in triglyceride homeostasis **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Jonathan Soucy, BS

Program Type: Predoctoral Fellowship **Institution:** Northeastern University, Boston **City/State:** Boston, MA **Project Title:** On-chip Innervation of the Cardiac Microenvironment **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

Martin Spang, MS, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, San Diego **City/State:** La Jolla, CA **Project Title:** Intracoronary delivery of a soluble extracellular matrix therapy post-myocardial infarction **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Denisha Spires, BS

Program Type: Predoctoral Fellowship **Institution:** Medical College of Wisconsin **City/State:** Milwaukee, WI **Project Title:** Role of the TRPC6 Channel in the Progression of Diabetic Nephropathy **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Rachel Stadler, BS

Program Type: Predoctoral Fellowship **Institution:** University of Vermont, Burlington **City/State:** Burlington, VT **Project Title:** Is calcium the gear shift? The role of calcium-mediated phosphorylation in *Toxoplasma gondii* motility **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Lyndsay Stapleton, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Supramolecular Biomaterials for Prevention of Post-Operative Thoracic Adhesions **Award Start Date:** 7/1/2018 **Award End Date:** 9/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Elisabeth Steadman, BA

Program Type: Predoctoral Fellowship **Institution:** SUNY, Stony Brook **City/State:** Stony Brook, NY **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



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Kathryn Stein, BA

Program Type: Predoctoral Fellowship **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **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

Cody Stothers, BA

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** The Role of Endothelial mTOR Signaling in Sepsis-Induced Cardiovascular Dysfunction **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Tianjiao Sun, MSc, MD

Program Type: Predoctoral Fellowship **Institution:** Northwestern University, Chicago **City/State:** Chicago, IL **Project Title:** The role of plasminogen activator inhibitor -1 (PAI-1) in chronic kidney disease(CKD)-associated cardiac hypertrophy **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Kevin Sunderland, BS

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

Brenton Swenson, BS, MPA

Program Type: Predoctoral Fellowship **Institution:** University of Washington, Seattle **City/State:** Seattle, WA **Project Title:** Stroke prediction using genetic risk scores in African Americans with atrial fibrillation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2019 **Total Years:** 1 **Total Award Amount:** \$26,844

Kelli Sylvers, BS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City/State:** Iowa City, IA **Project Title:** Lipase inhibition by ANGPTL3 and ANGPTL8 **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Ishita Tandon, BS

Program Type: Predoctoral Fellowship **Institution:** University of Arkansas, Fayetteville
City/State: Fayetteville, AR **Project Title:** Label-Free Metabolic Biomarkers to Assess
Early Pathophysiological Changes during Calcific Aortic Valve Disease **Award Start
Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:**
\$53,688

Nilay Taneja, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:**
Nashville, TN **Project Title:** Investigating the role of cellular adhesion in myofibril
formation and maintenance **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020
Total Years: 2 **Total Award Amount:** \$53,688

Wanjian Tang, BS

Program Type: Predoctoral Fellowship **Institution:** Pennsylvania State University,
Hershey **City/State:** Hershey, PA **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

Srinivas Tapa, BS

Program Type: Predoctoral Fellowship **Institution:** University of California, Davis
City/State: Davis, CA **Project Title:** Sympathetic Modulation and Arrhythmia in Intact
Hearts **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total
Award Amount:** \$53,688

Dallin Tavoian, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Ohio University, Athens **City/State:**
Athens, OH **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

Maiwase Tembo, BA

Program Type: Predoctoral Fellowship **Institution:** University of Pittsburgh **City/State:**
Pittsburgh, PA **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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Alexander Thiemicke, BS, MSc

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Physiologically relevant NaCl profiles dictate cellular phenotypes **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Amer Toutonji, BS

Program Type: Predoctoral Fellowship **Institution:** Medical University of South Carolina **City/State:** Charleston, SC **Project Title:** Ischemic-Site Targeted Inhibition of the Complement System in Stroke **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Rebekah Tritz, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Augusta University **City/State:** Augusta, GA **Project Title:** Inflammatory Macrophages and Retinal Neovascularization **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Matthew Van Houten, BSE, MS

Program Type: Predoctoral Fellowship **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** Rapid Magnetization Transfer Imaging of Myocardial Fibrosis **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Mandy Van Leent, MD

Program Type: Predoctoral Fellowship **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **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

Meera Varshneya, BSE

Program Type: Predoctoral Fellowship **Institution:** Icahn School of Medicine at Mount Sinai **City/State:** New York, NY **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



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Haley Vaseghi, BS

Program Type: Predoctoral Fellowship **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **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

Ravi Vats, MSc, BS

Program Type: Predoctoral Fellowship **Institution:** University of Pittsburgh **City/State:** Pittsburgh, PA **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

Nivedhitha Velayutham, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Cincinnati Children's Hospital Medical Center **City/State:** Cincinnati, OH **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

Anthony Verkerke, BS

Program Type: Predoctoral Fellowship **Institution:** University of Utah **City/State:** Salt Lake City, UT **Project Title:** Muscle phospholipid methylation modulates SERCA energy efficiency to alter susceptibility for obesity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Brianna Vickerman, BS

Program Type: Predoctoral Fellowship **Institution:** University of North Carolina, Chapel Hill **City/State:** Chapel Hill, NC **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

Burcu Vitrinel, BSc, MSc

Program Type: Predoctoral Fellowship **Institution:** New York University **City/State:** New York, NY **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



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Christine Vrakas, BS

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:** Philadelphia, PA **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

Marcus Wagner, BS

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:** Philadelphia, PA **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

Bingyan Wang, BS, MSc, MS

Program Type: Predoctoral Fellowship **Institution:** San Diego State University Research Foundation **City/State:** San Diego, CA **Project Title:** Lineage Contribution of Adult c-Kit+ Cardiac Progenitor Cells in Embryonic and Neonatal Development **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Xiaobo Wang, BSA, MSA

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

Yuqi Wang, BS

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

Zhaoning Wang, BS

Program Type: Predoctoral Fellowship **Institution:** University of Texas Southwestern Medical Center **City/State:** Dallas, TX **Project Title:** Deciphering the role of two novel Sbk kinases in atrial development and function **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Aaron Ward, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Wisconsin, Madison
City/State: Madison, WI **Project Title:** Cerebrovascular Regulation in Children: Impact of Insulin Resistance **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Marsha Wibowo, BS

Program Type: Predoctoral Fellowship **Institution:** Joslin Diabetes Center **City/State:** Boston, MA **Project Title:** The role of extinction events in the gut microbiome in promotion of obesity and type 2 diabetes **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Emily Wrona, BS

Program Type: Predoctoral Fellowship **Institution:** North Carolina State University
City/State: Raleigh, NC **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

Hui Wu, BS

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham
City/State: Birmingham, AL **Project Title:** Lipid Trafficking in HCMV infected cells **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2
Total Award Amount: \$53,688

Yinyu Wu, BS

Program Type: Predoctoral Fellowship **Institution:** Yale University **City/State:** New Haven, CT
Project Title: MicroRNA-223 regulation of hemogenic endothelial cell specification via N-glycosylation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020
Total Years: 2 **Total Award Amount:** \$53,688

Yueh-Fu Wu, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Notre Dame **City/State:** Notre Dame, IN
Project Title: Characterizing interactions between the microtubule binding protein CLIP-170 and actin **Award Start Date:** 7/1/2017 **Award End Date:** 8/30/2019
Total Years: 2 **Total Award Amount:** \$53,688

Jing Xu, MB, MS

Program Type: Predoctoral Fellowship **Institution:** University of Miami, Miami
City/State: Coral Gables, FL **Project Title:** Neuroprotective mechanisms behind PKC epsilon alters brain NAD levels and enhances ischemic tolerance **Award Start Date:** 1/1/2019
Award End Date: 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Jianxiang Xue, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of South Florida, Tampa
City/State: Tampa, FL **Project Title:** Role of thick ascending limb NHE3 for salt homeostasis and blood pressure **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Yijun Yang, BS

Program Type: Predoctoral Fellowship **Institution:** Temple University **City/State:** Philadelphia, PA **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

Michael Yarboro, BS

Program Type: Predoctoral Fellowship **Institution:** Vanderbilt University **City/State:** Nashville, TN **Project Title:** Defining a Prostaglandin Mediated Developmental Program in the Ductus Arteriosus **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Batuhan Yenilmez, BSC, MSc

Program Type: Predoctoral Fellowship **Institution:** University of Massachusetts Medical School **City/State:** Worcester, MA **Project Title:** Adipose-RIP140 is a mediator of whole body metabolism through neuronal stimulation **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Frank Yi, BS

Program Type: Predoctoral Fellowship **Institution:** The Ohio State University **City/State:** Columbus, OH **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

Rose Yin, BS

Program Type: Predoctoral Fellowship **Institution:** George Washington University **City/State:** Washington, DC **Project Title:** Selective optical defibrillation of the excitable gap to terminate ventricular arrhythmias in mice **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Baul Yoon, BS

Program Type: Predoctoral Fellowship **Institution:** University of Wisconsin, Madison **City/State:** Madison, WI **Project Title:** The role of retinal astrocytes in endothelial development **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Subhi Younes, BS

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

Ben Young, BS

Program Type: Predoctoral Fellowship **Institution:** The University of Texas at Arlington **City/State:** Arlington, TX **Project Title:** Endothelin-1 and Insulin-stimulated Blood Flow in Type 2 Diabetes: Novel Therapeutics **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Keyvan Yousefi, PharmD

Program Type: Predoctoral Fellowship **Institution:** University of Miami, Miami **City/State:** Coral Gables, FL **Project Title:** The Role of Osteopontin in Heart Failure with Preserved Ejection Fraction (HFpEF) **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Minzhi Yu, BS, MS

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

Nur Zafirah Zaidan, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Wisconsin, Madison **City/State:** Madison, WI **Project Title:** Role of chromatin in the early cardiomyocyte lineage **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Frederick Zasadny, BSE, MS

Program Type: Predoctoral Fellowship **Institution:** George Washington University **City/State:** Washington, DC **Project Title:** Rapid spectral mapping of ventricular absorbance to quantify homeostatic energetics in failing hearts **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Dingguo Zhang, MBBS

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Collecting duct Bmal1 and circadian control of sodium excretion **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Eric Zhang, BA

Program Type: Predoctoral Fellowship **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** Role of SDF-1/CXCR4 signaling in recruitment of ckit+ bone marrow progenitor cells to the ischemic myocardium **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Hongxia Zhang, MS, BS

Program Type: Predoctoral Fellowship **Institution:** University of North Texas Health Science Center, Fort Worth **City/State:** Fort Worth, TX **Project Title:** The effect of young and aged serum exosomes on ischemic stroke outcome **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Zeyuan Zhang, BS, MS

Program Type: Predoctoral Fellowship **Institution:** University of Iowa, Iowa City **City/State:** Iowa City, IA **Project Title:** Establish the role of impairment of the adaptive unfolded protein response in defective hepatic autophagy in obesity **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Chen Zhao, MS, BS

Program Type: Predoctoral Fellowship **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **Project Title:** Modulating Macrophage Polarization Using Systems Biology Approaches in Peripheral Arterial Disease **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688

Ruixi Zhou, BA, MS

Program Type: Predoctoral Fellowship **Institution:** University of Virginia, Charlottesville **City/State:** Charlottesville, VA **Project Title:** Simultaneous Cine And T1 mapping SPiral Acquisition with Respiratory and Cardiac Self-gating (CAT-SPARCS) **Award Start Date:** 1/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$53,688

Maggie Zhu, BS, MS

Program Type: Predoctoral Fellowship **Institution:** Ann & Robert H. Lurie Children's Hospital of Chicago **City/State:** Chicago, IL **Project Title:** GCN2 regulates pulmonary vascular remodeling and pulmonary arterial hypertension **Award Start Date:** 1/1/2019 **Award End Date:** 12/31/2020 **Total Years:** 2 **Total Award Amount:** \$53,688



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Zachary Zigmond, BSA

Program Type: Predoctoral Fellowship **Institution:** University of Miami, Miami

City/State: Coral Gables, FL **Project Title:** c-Kit Expression and Activation Protects the Vascular SMC Contractile Phenotype and Reduces Atherosclerosis **Award Start Date:**

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