



American Heart Association Awardees in Alpha Order by State

Last Update: August 2019

[GEORGIA](#) • [HAWAII](#) • [IDAHO](#) • [ILLINOIS](#) • [INDIANA](#) • [IOWA](#) • [KANSAS](#) •
[KENTUCKY](#) • [LOUISIANA](#) • [MAINE](#) • [MARYLAND](#) • [MASSACHUSETTS](#)

GEORGIA

Justine Abais-Battad, BS, PhD

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

GEORGIA

Ammar Abdelrahman, BSC, MSc

Program Type: Predoctoral Fellowship Institution: Augusta University City: Augusta
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

GEORGIA

Jason Allen, MD PhD

Program Type: Innovative Project Award Institution: Emory University, Atlanta City:
Atlanta Project Title: A fluid dynamics mechanism for stroke in patients with carotid
webs Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award
Amount: \$200,000

GEORGIA

Alvaro Alonso, MD, MPH, PhD

Program Type: Established Investigator Award Institution: Emory University, Atlanta
City: Atlanta Project Title: Atrial fibrillation: epidemiology, prevention, and outcomes
Award Start Date: 1/1/2016 Award End Date: 12/31/2020 Total Years: 5 Total Award
Amount: \$400,000

GEORGIA

Ali Arbab, MBBS, PhD

Program Type: Transformational Project Award Institution: Augusta University City:
Augusta Project Title: Targeted delivery and tracking of exosomes in stroke Award Start
Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000



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GEORGIA

Seongho Bae, PhD, MS

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: Cardiac repair by enhanced vascularization with ETV2 Award Start
Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

GEORGIA

Deborah Barany, BA, MA, PhD

Program Type: Postdoctoral Fellowship Institution: University of Georgia, Athens City:
Athens Project Title: Abnormally High Activation in Motor Cortex after Stroke:
Reorganization or Increased Motor Demand? Award Start Date: 7/1/2018 Award End
Date: 7/30/2020 Total Years: 2 Total Award Amount: \$106,532

GEORGIA

Eric Belin De Chantemele, DSc

Program Type: Established Investigator Award Institution: Augusta University City:
Augusta Project Title: Novel roles of perivascular adipose tissue in the control of
endothelial and metabolic function Award Start Date: 4/1/2019 Award End Date:
3/31/2024 Total Years: 5 Total Award Amount: \$400,000

GEORGIA

Tyler Benson, BA

Program Type: Predoctoral Fellowship Institution: Augusta University City: Augusta
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

GEORGIA

Zsuzsanna Bordan, MS, BS

Program Type: Predoctoral Fellowship Institution: Augusta University City: Augusta
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

GEORGIA

Daniella Corporan, BS

Program Type: Predoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta 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



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GEORGIA

Xiaobing Cui, MD, PhD

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

GEORGIA

Istvan Czikora, PhD, MSc

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

GEORGIA

Raj Dedhia, MD, MS

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

GEORGIA

Ariel Diaz, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: The Plasminogen Activator System Protects the Synapse in the
Ischemic Brain Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$106,532

GEORGIA

Ye Ding, PhD

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

GEORGIA

Kunzhe Dong, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta
Project Title: CARMN, a novel smooth muscle-specific lncRNA, is a critical regulator of
smooth muscle phenotype Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total
Years: 2 Total Award Amount: \$110,456



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GEORGIA

Jinqi Fan, PhD

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: TBX18 driven self-organization clusters of iPMs and fibrous tissue
reconstruction Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2
Total Award Amount: \$106,532

GEORGIA

Anat Florentin, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Georgia, Athens City:
Athens Project Title: The Function of the Bacterial Clp Complex in the Apicoplast of
Malaria Parasites Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$114,368

GEORGIA

Abdelrahman Fouda, BSc, PhD

Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta
Project Title: Role of arginase 1 in retinal ischemia-reperfusion injury Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

GEORGIA

David Fulton, PhD

Program Type: Transformational Project Award Institution: Augusta University City:
Augusta Project Title: Circadian clock control of endothelial identity in atherosclerosis
Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award
Amount: \$300,000

GEORGIA

Ellen Gillis, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta
Project Title: Sex differences in renal Treg recruitment and maintenance in SHR Award
Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:
\$106,532

GEORGIA

Young-Min Han, PhD

Program Type: Postdoctoral Fellowship Institution: Georgia State University City:
Atlanta Project Title: Ketogenic-diet potently inhibits abdominal aortic aneurism
formation Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total
Award Amount: \$114,368



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GEORGIA

Laura Hansen, PhD, BS

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

GEORGIA

Marina Hernandez, PhD

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

GEORGIA

Minxuan Huang, BS, ScM

Program Type: Predoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta 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

GEORGIA

Yuqing Huo, MD, MS, PhD

Program Type: Transformational Project Award Institution: Augusta University City:
Augusta Project Title: the role of adenosine kinase in the formation of aortic aneurysm
Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award
Amount: \$300,000

GEORGIA

Ahmed Ibrahim, PhD

Program Type: Career Development Award Institution: Augusta University City: Augusta
Project Title: Dissecting and Targeting Deregulated Endothelial Metabolism in
Diabetes-Induced Microvasculopathy Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

GEORGIA

Duygu Islek, MD, MSc

Program Type: Predoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta 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



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GEORGIA

Il-Man Kim, PhD

Program Type: Transformational Project Award Institution: Augusta University City: Augusta Project Title: The novel role of microRNA-532-5p/prss23 axis in regulating cardiac vascularization during acute myocardial infarction Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

GEORGIA

Nam Kyun Kim, BS, MD, MS

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City: Atlanta Project Title: Long-term ventricular pacing by EMT inhibition of Tbx18-induced pacemaker cells in a rat model of complete AV block Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$125,120

GEORGIA

Laszlo Kovacs, MSc, PhD

Program Type: Career Development Award Institution: Augusta University City: Augusta Project Title: HDAC6 regulates calpain activation in airway and pulmonary vascular remodeling in COPD Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

GEORGIA

Anita Kovacs-Kasa, PhD, MSc

Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta Project Title: HDAC7 in MLCP-mediated endothelial barrier preservation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

GEORGIA

Jennifer Kwong, PhD, BA

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

GEORGIA

Sangho Lee, PhD, MS

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



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GEORGIA

Seung Yup Lee, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: Optical Measurements of Microvascular Cerebral Blood Flow in
Children with Sickle Cell Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020
Total Years: 2 Total Award Amount: \$110,456

GEORGIA

Rebecca Levit, MD

Program Type: Innovative Project Award Institution: Emory University, Atlanta City:
Atlanta Project Title: The role of lymphatics in cardiac transplant allograft dysfunction
Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award
Amount: \$199,993

GEORGIA

Chenxiao Li, BS

Program Type: Predoctoral Fellowship Institution: University of Georgia, Athens City:
Athens 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

GEORGIA

Huiping Lin, BS

Program Type: Predoctoral Fellowship Institution: Augusta University City: Augusta
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

GEORGIA

Minliang Liu, BS

Program Type: Predoctoral Fellowship Institution: Georgia Tech Research Corporation
City: Atlanta 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

GEORGIA

Ting Liu, MD

Program Type: Predoctoral Fellowship Institution: Augusta University City: Augusta
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



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GEORGIA

Zhiping Liu, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta
Project Title: The role of macrophage PFKFB3 in retinal angiogenesis Award Start Date:
1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

GEORGIA

Wenbin Mao, PhD, MS, BS

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

GEORGIA

Anurag Mehta, MBBS

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: IMPACT OF HOME-BASED EXERCISE ON METABOLOMICS AND
PROGENITOR CELLS IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE Award Start
Date: 1/1/2019 Award End Date: 12/31/2019 Total Years: 1 Total Award Amount: \$54,316

GEORGIA

Jahnvi Mudigonda, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: A novel tissue-polymer combination approach for durable
regenerative tissues for congenital heart surgery Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

GEORGIA

Anish Mukherjee, BSE, MS

Program Type: Predoctoral Fellowship Institution: Georgia Tech Research Corporation
City: Atlanta 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

GEORGIA

Crystal Naudin, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City:
Atlanta Project Title: Beneficial bacteria enhance cardiovascular health by modulating
inflammation and Nrf2 pathway signaling Award Start Date: 1/1/2019 Award End Date:
12/31/2020 Total Years: 2 Total Award Amount: \$110,456



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GEORGIA

Scott Nowak, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Kennesaw State University Research and Service Foundation City: Kennesaw Project Title: The role of Akirin during heart development Award Start Date: 4/1/2018 Award End Date: 3/31/2020 Total Years: 2 Total Award Amount: \$154,000

GEORGIA

Imoh Okon, BSC, MSc, PhD

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

GEORGIA

W Charles Oneill, BS, MD

Program Type: Innovative Project Award Institution: Emory University, Atlanta City: Atlanta Project Title: Mobilization of osteoclasts to treat vascular calcification Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$199,624

GEORGIA

Islam Osman, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta Project Title: The role of TEA Domain Transcription Factor 1 in Vascular Smooth Muscle Cell proliferation and Neointima Formation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

GEORGIA

Felipe Paredes, PhD

Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City: Atlanta Project Title: Poldip2 links mitochondria to cardiac fibrosis` Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

GEORGIA

Tongran Qin, PhD, BA

Program Type: Postdoctoral Fellowship Institution: Georgia Tech Research Corporation City: Atlanta Project Title: Comparative quantification of functional mitral regurgitation using FSI modeling, simulated and actual echocardiography Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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GEORGIA

Lauren Sestito, BS

Program Type: Predoctoral Fellowship Institution: Georgia Tech Research Corporation
City: Atlanta 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

GEORGIA

Ning Shi, BS, MS, PhD

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

GEORGIA

Huabo Su, PhD, MS

Program Type: Transformational Project Award Institution: Augusta University City:
Augusta Project Title: Novel ubiquitin-like modification regulating mitochondrial
dynamics in myocardium Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

GEORGIA

Jennifer Sullivan, PhD

Program Type: Established Investigator Award Institution: Augusta University City:
Augusta Project Title: Role of T cells in salt-sensitive females Award Start Date: 1/1/2017
Award End Date: 12/31/2021 Total Years: 5 Total Award Amount: \$400,000

GEORGIA

Wei Sun, PhD

Program Type: Transformational Project Award Institution: Georgia Tech Research
Corporation City: Atlanta Project Title: A Machine Learning Based Approach for
Geometry Modeling and In Vivo Material Property Estimation of Thoracic Aorta Award
Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount:
\$300,000

GEORGIA

Kiyoko Takemiya, PhD, MD

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



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GEORGIA

Ramprasath Tharmarajan, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Georgia State University City:

Atlanta Project Title: Kynureninase inhibition ablates AngII-induced 3-

Hydroxyanthranilic acid mediated abdominal aortic aneurysm formation Award Start

Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

GEORGIA

Rebekah Tritz, BS, MS

Program Type: Predoctoral Fellowship Institution: Augusta University City: Augusta

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

GEORGIA

Cheng Wang, MD PhD

Program Type: Postdoctoral Fellowship Institution: Georgia State University City:

Atlanta Project Title: The Role of FUNDC1 in Angiogenesis Award Start Date: 1/1/2019

Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

GEORGIA

Jing Wang, PhD

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

Project Title: Ganglioside GD3 in microglia after global cerebral ischemia Award Start

Date: 4/1/2019 Award End Date: 3/31/2022 Total Years: 3 Total Award Amount: \$231,000

GEORGIA

Yanhua Wang, PhD, MS, BS

Program Type: Career Development Award Institution: Emory University, Atlanta City:

Atlanta Project Title: Role of a vasoactive hormone, adrenomedullin in mediating urine

concentrating ability Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total

Years: 3 Total Award Amount: \$231,000

GEORGIA

Zheng Wei, PhD

Program Type: Career Development Award Institution: Emory University, Atlanta City:

Atlanta Project Title: Glial reprogramming combined with iPS-NPC transplantation as a

novel neuroregenerative therapy after ischemic stroke Award Start Date: 7/1/2018

Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

GEORGIA

Shengnan Wu, PhD, BS



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

GEORGIA

Yisang Yoon, PhD

Program Type: Transformational Project Award Institution: Augusta University City: Augusta Project Title: Mitochondrial dynamics in cardiac ischemia-reperfusion injury Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

GEORGIA

Quanguang Zhang, PhD

Program Type: Innovative Project Award Institution: Augusta University City: Augusta Project Title: Combination Treatment with Pulsed Electromagnetic Field and Hypothermia in Global Cerebral Ischemia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

GEORGIA

Hongyi Zhou, PhD, MS

Program Type: Career Development Award Institution: Augusta University City: Augusta Project Title: Neddylation in Adipose Tissue Development and Obesity Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

GEORGIA

Jiliang Zhou, PhD, MD

Program Type: Established Investigator Award Institution: Augusta University City: Augusta Project Title: Novel role of the lncRNA NEAT1 in smooth muscle phenotypic modulation Award Start Date: 1/1/2017 Award End Date: 12/31/2021 Total Years: 5 Total Award Amount: \$400,000

GEORGIA

Jiliang Zhou, PhD, MD

Program Type: Transformational Project Award Institution: Augusta University City: Augusta Project Title: Identification, regulation and function of the smooth muscle-specific long non-coding RNA Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

GEORGIA

Jianqiu Zou, PhD



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

HAWAII

Cynthia Anderson, BS, MA, PhD

Program Type: Postdoctoral Fellowship Institution: University of Hawaii City: Honolulu
Project Title: High Intensity Focused Ultrasound for Therapeutic Gene Transfer Award
Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:
\$110,456

HAWAII

William Boisvert, BS, MS, PhD

Program Type: Transformational Project Award Institution: University of Hawaii City:
Honolulu Project Title: Lipid metabolism in the endothelium Award Start Date: 7/1/2019
Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

HAWAII

Andras Bratincsak, MD PhD

Program Type: Transformational Project Award Institution: Hawaii Pacific Health City:
Honolulu Project Title: Doxycycline treatment to prevent coronary artery lesions in
Kawasaki disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3
Total Award Amount: \$300,000

IDAHO

Richard Beard, BS, PhD

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

ILLINOIS

Elyeb Abdelwahid, MD, PhD

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

ILLINOIS

Sobhika Agarwala, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Illinois at Chicago City:



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Chicago Project Title: Novel role of Tetraspanin CD63 in determining hematopoietic stem cell fate Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

ILLINOIS

Zahid Akhter, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago Project Title: FAK regulation of DNMT3a controls epigenetic repression of S1PR1 transcription: Role in maintaining vascular barrier Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

ILLINOIS

Norrina Allen, BS, MPH, PhD

Program Type: Strategic Renewal Grant Institution: Northwestern University, Chicago City: Chicago Project Title: Development of Age-Specific Childhood Risk Prediction Equations to Identify Children at High Risk for Poor Cardiovascula Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$365,466

ILLINOIS

Norrina Allen, BS, MPH, PhD

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Cardiovascular Health Trajectories from Birth Through Adolescence Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$963,300

ILLINOIS

Jaime Amengual Terrasa, PhD

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

ILLINOIS

Heidi Anderson, BS

Program Type: Predoctoral Fellowship Institution: Northwestern University, Evanston City: Evanston 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

ILLINOIS

Rishi Arora, MD, MD



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Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: The role of oxidative stress in creating a vulnerable substrate for atrial fibrillation in the intact atrium Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$1,106,562

ILLINOIS

Misuk Bae, PhD

Program Type: Postdoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago Project Title: Inhibition of Endothelial Cell von Willebrand Factor Secretion Reduces Thrombotic Complications in Sick Cell Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

ILLINOIS

Paul Burrige, PhD

Program Type: Transformational Project Award Institution: Northwestern University, Chicago City: Chicago Project Title: Validation of Genomic Hits Predicting Doxorubicin-Induced Cardiotoxicity for Drug Discovery Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

ILLINOIS

Ninghe Cai, BA

Program Type: Predoctoral Fellowship Institution: Northwestern University, Chicago City: Chicago 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

ILLINOIS

Qian Chen, PhD

Program Type: Postdoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago Project Title: The role of angiocrine sphingosine-1-phosphate in regulating alveolar epithelial repair after injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

ILLINOIS

Shang-Yang Chen, BS

Program Type: Predoctoral Fellowship Institution: Northwestern University, Chicago City: Chicago 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



**American
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ILLINOIS

Tianji Chen, PhD

Program Type: Career Development Award Institution: University of Illinois at Chicago
City: Chicago Project Title: Role of Endothelium-derived Microvesicles in Pulmonary
Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total
Award Amount: \$231,000

ILLINOIS

Xi Chen, BS, MS

Program Type: Predoctoral Fellowship Institution: Loyola University Medical Center City:
Maywood 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

ILLINOIS

Guillaume Courbon, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: Northwestern University, Chicago
City: Chicago Project Title: Cardiorenal effects of iron and phosphate in chronic kidney
disease: role of fibroblast growth factor 23 Award Start Date: 1/1/2019 Award End Date:
12/31/2020 Total Years: 2 Total Award Amount: \$106,532

ILLINOIS

Tanima De, PhD

Program Type: Institute - Uncovering New Patterns Fellowship Institution: Northwestern
University, Chicago City: Chicago Project Title: Effect of genomic regulation on
Clopidogrel Response in African Americans Award Start Date: 4/2/2018 Award End Date:
3/31/2020 Total Years: 2 Total Award Amount: \$150,000

ILLINOIS

Lucia De Almeida, PhD, MS, PharmD

Program Type: Career Development Award Institution: Northwestern University,
Chicago City: Chicago Project Title: Uncovering the role of extracellular ASC danger
particles in atherosclerosis and gout Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

ILLINOIS

Matthew Deberge, BSC, PhD

Program Type: Career Development Award Institution: Northwestern University,
Chicago City: Chicago Project Title: Myeloid HIFs in cardiac transplantation
vasculopathy Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3
Total Award Amount: \$231,000



**American
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ILLINOIS

Vasin Dumrongprechachan, BS

Program Type: Predoctoral Fellowship Institution: Northwestern University, Evanston
City: Evanston 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

ILLINOIS

Colin Evans, PhD, BSC

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

ILLINOIS

Matthew Feinstein, MD

Program Type: Fellow-to-Faculty Transition Award Institution: Northwestern University,
Chicago City: Chicago Project Title: Mechanistic Epidemiology of Myocardial Disease in
HIV: Myocardial Fibrosis and Mechanics Award Start Date: 7/1/2016 Award End Date:
6/30/2021 Total Years: 5 Total Award Amount: \$593,000

ILLINOIS

Priyanka Gajwani, BS

Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City:
Chicago 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

ILLINOIS

Alfred George, MD

Program Type: Strategically Focused Research Network Institution: Northwestern
University, Chicago City: Chicago Project Title: Correlating SCD Risk with Cell
Autonomous Arrhythmia Susceptibility Award Start Date: 7/1/2019 Award End Date:
6/30/2023 Total Years: 4 Total Award Amount: \$817,940

ILLINOIS

Asish Ghosh, PhD

Program Type: Innovative Project Award Institution: Northwestern University, Chicago
City: Chicago Project Title: Plasminogen Activator System in Air Pollutants-Induced
Cardiovascular Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$200,000



**American
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ILLINOIS

Kristofor Ginton, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Northwestern University, Chicago
City: Chicago Project Title: The causal role of Axl in the acceleration of cardiac allograft
vasculopathy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$104,060

ILLINOIS

Philip Greenland, MD

Program Type: Strategically Focused Research Network Institution: Northwestern
University, Chicago City: Chicago Project Title: Mitochondrial dysfunction and disability
in PAD Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award
Amount: \$1,044,451

ILLINOIS

Philip Greenland, MD

Program Type: Strategically Focused Research Network Institution: Northwestern
University, Chicago City: Chicago Project Title: ATRIAL SUBSTRATE IN ATRIAL
FIBRILLATION AND AF-ASSOCIATED BRAIN DISEASE Award Start Date: 7/1/2018 Award
End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$841,913

ILLINOIS

Yukuang Guo, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City:
Chicago 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

ILLINOIS

Seunghye Han, MD, MPH

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

ILLINOIS

Xu Han, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Northwestern University, Chicago
City: Chicago Project Title: Targeting Pleckstrin-2 for the treatment of
myeloproliferative neoplasms Award Start Date: 1/1/2019 Award End Date: 12/31/2020
Total Years: 2 Total Award Amount: \$104,060



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ILLINOIS

Anantha Harijith, MD, OTR

Program Type: Transformational Project Award Institution: University of Illinois at Chicago City: Chicago Project Title: Role of Sphingosine 1 Phosphate (S1P) and S1P 1 receptor signaling in Bronchopulmonary Dysplasia Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

ILLINOIS

Anita Nayo Hill, BS, PT

Program Type: Predoctoral Fellowship Institution: Northwestern University, Chicago City: Chicago 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

ILLINOIS

Liang Hong, PhD

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

ILLINOIS

Lifang Hou, MD, MSc, PhD

Program Type: Strategic Collaborative Grant Institution: Northwestern University, Chicago City: Chicago Project Title: Longitudinal epigenomic study of gestational diabetes mellitus and cardiac structure and function Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$321,297

ILLINOIS

Lifang Hou, MD, MSc, PhD

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Characterizing Dynamic Epigenomic Markers of CVH in Early Life Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$939,898

ILLINOIS

Thomas Irving, BSC

Program Type: Innovative Project Award Institution: Illinois Institute of Technology, Chicago City: Chicago Project Title: Multiscale Modeling and X-ray Diffraction: A novel approach to understanding heart disease Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$198,426



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ILLINOIS

Avinash Jaiganesh, PhD

Program Type: Postdoctoral Fellowship Institution: Northwestern University, Chicago
City: Chicago Project Title: AKAP-mediated desmoplakin modification: impact on
cardiac desmosomes and hypertrophic signaling. Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

ILLINOIS

Bin Jiang, PhD, BS

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

ILLINOIS

Bin Jiang, PhD, BS

Program Type: Transformational Project Award Institution: Northwestern University,
Evanston City: Evanston Project Title: Autologous Vascular Regeneration for Peripheral
Artery Disease Patients Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

ILLINOIS

Amelia Joslin, BS

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

ILLINOIS

Brian Joyce, PhD

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

ILLINOIS

Amala Kaja, MSc

Program Type: Predoctoral Fellowship Institution: Southern Illinois University,
Carbondale City: Carbondale 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



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ILLINOIS

Hojin Kang, PhD, MS, BS

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

ILLINOIS

Sadiya Khan, BS, MD, MS

Program Type: Transformational Project Award Institution: Northwestern University,
Chicago City: Chicago Project Title: Transforming the Primary Prevention Paradigm for
Heart Failure Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total
Award Amount: \$300,000

ILLINOIS

Daniel Kim, PhD

Program Type: Innovative Project Award Institution: Northwestern University, Chicago
City: Chicago Project Title: Wideband Cardiac MRI for Predicting Right Heart Failure
after LVAD Implantation Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total
Years: 2 Total Award Amount: \$200,000

ILLINOIS

Young-Chae Kim, PhD, MS, BS

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

ILLINOIS

Young-Mee Kim, BS, MS, PhD

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

ILLINOIS

Paulette Krishack, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Chicago City: Chicago
Project Title: Type 2 Innate Inflammatory Response Protects Staphylococcus Aureus
Induced Sepsis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$110,456



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ILLINOIS

Stephen Lenzini, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago 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

ILLINOIS

Jing Li, PhD

Program Type: Career Development Award Institution: University of Illinois at Chicago City: Chicago Project Title: DREAM in neutrophil recruitment during inflammation Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

ILLINOIS

Jingxian Li, PhD

Program Type: Postdoctoral Fellowship Institution: University of Chicago City: Chicago Project Title: Latrophilins and Teneurins: Structure and Function in Heart Development Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

ILLINOIS

Xiaolei Liu, PhD, MS, BS

Program Type: Career Development Award Institution: Northwestern University, Chicago City: Chicago Project Title: Cardiac lymphatic endothelial cells: novel players in cardiomyocyte survival during heart development and repair Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

ILLINOIS

Camille Mace, PhD

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

ILLINOIS

Bradley Marino, MD, BA, MPH, MSc

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Early Life Origins of Cardiovascular Health: Healthier, Earlier Award Start Date: 7/1/2017 Award End Date: 6/30/2021 Total Years: 4 Total Award Amount: \$740,837



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ILLINOIS

Michael Markl, PhD

Program Type: Transformational Project Award Institution: Northwestern University, Chicago City: Chicago Project Title: Patient Specific 4D Flow Modeling for Improved Management of Aortic Coarctation Repair Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

ILLINOIS

Victoria Mastej, BS

Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago 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

ILLINOIS

Mary Mcdermott, MD, BA

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Calf Skeletal Muscle Pathology and Disability in Peripheral Artery Disease Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$874,357

ILLINOIS

Mary Mcdermott, MD, BA

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: NICotinamidE riboside with and without resveratrol to improve functioning in peripheral artery disease: The NICE Trial Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,366,439

ILLINOIS

Elizabeth McNally, MD PhD

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Northwestern Sudden Cardiac Death Collaboration Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$911,260

ILLINOIS

Elizabeth McNally, MD PhD

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Genomics of Arrhythmias and Sudden Death Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$1,100,000



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ILLINOIS

Ivan Moskowitz, PhD, MD

Program Type: Collaborative Sciences Award Institution: University of Chicago City: Chicago Project Title: Enhancer transcription as marker and modulator of cardiac regulatory networks Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$450,000

ILLINOIS

Myung-Jin Oh, PhD

Program Type: Postdoctoral Fellowship Institution: University of Chicago City: Chicago Project Title: Spatial inhibition of Disturbed Flow induced miR-92a and endothelial glycolysis Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

ILLINOIS

Suellen Darc Oliveira, PhD, MSc

Program Type: Postdoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago Project Title: Role of Caveolin-1 Depletion in TGF- induced Endothelial-to-mesenchymal Transition and Pulmonary Arterial Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

ILLINOIS

Rod Passman, BA, MD, MSc

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: ATRIAL MYOPATHY IN ATRIAL FIBRILLATION Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$975,843

ILLINOIS

Rod Passman, BA, MD, MSc

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: ATRIAL MYOPATHY: STRUCTURE AND FUNCTION IN AF ABLATION Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$784,882

ILLINOIS

Pablo Perez-Pinera, MD PhD

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



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ILLINOIS

Megan Puckelwartz, BS, PhD

Program Type: Career Development Award Institution: Northwestern University,
Chicago City: Chicago Project Title: Genomic context alters disease manifestation of
cardiomyopathies Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3
Total Award Amount: \$231,000

ILLINOIS

Laura Rasmussen Torvik, PhD, MPH

Program Type: Strategically Focused Research Network Institution: Northwestern
University, Chicago City: Chicago Project Title: Integration of genomics into clinical care
for SCD Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total
Award Amount: \$880,000

ILLINOIS

Megan Rowton, PhD

Program Type: Postdoctoral Fellowship Institution: University of Chicago City: Chicago
Project Title: A Hedgehog differentiation clock for atrial septation Award Start Date:
7/1/2017 Award End Date: 12/30/2019 Total Years: 2 Total Award Amount: \$106,532

ILLINOIS

Alexander Ruthenburg, PhD, BA

Program Type: Collaborative Sciences Award Institution: University of Chicago City:
Chicago Project Title: Enhancer transcription as marker and modulator of cardiac
regulatory networks Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years:
3 Total Award Amount: \$300,000

ILLINOIS

Ariel Rydeen, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Chicago City: Chicago
Project Title: Hedgehog-dependent repressive gene regulatory network in the control of
cardiac differentiation Award Start Date: 7/1/2018 Award End Date: 12/30/2020 Total
Years: 2 Total Award Amount: \$104,060

ILLINOIS

William Rymer, MD PhD

Program Type: Innovative Project Award Institution: Rehabilitation Institute of Chicago
City: Chicago Project Title: An Exploration of Acute Intermittent Hypoxia as a Tool to
Enhance Neural Recovery in Stroke Survivors Award Start Date: 7/1/2018 Award End
Date: 6/30/2020 Total Years: 2 Total Award Amount: \$199,991



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ILLINOIS

Elizabeth Schroeder, BA, MS

Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago 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

ILLINOIS

Evan Scott, PhD

Program Type: Innovative Project Award Institution: Northwestern University, Evanston City: Evanston Project Title: Multiplexed cellular MRI for quantitative assessment of vascular plaque instability Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

ILLINOIS

Joe Seimetz, BS

Program Type: Predoctoral Fellowship Institution: University of Illinois, Champaign-Urbana City: Urbana 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

ILLINOIS

Sanjiv Shah, MD

Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago City: Chicago Project Title: Role of Female Sex and Hormone Status on HFpEF Pathophysiology and Therapy Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,083,632

ILLINOIS

Anjali Sivaramakrishnan, BS, MPT

Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago 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

ILLINOIS

Savitha Subramaniam, MS

Program Type: Postdoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago Project Title: Virtual reality-based dance training to increase motor control, cardiovascular fitness and cognition Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328



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ILLINOIS

Tianjiao Sun, MSc, MD

Program Type: Predoctoral Fellowship Institution: Northwestern University, Chicago
City: Chicago 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

ILLINOIS

Corey Tabit, BS, BA, MD, MBA

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

ILLINOIS

Wei Ping Teoh, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Loyola University Chicago City:
Chicago Project Title: Deciphering the role of lipoic acid salvage enzyme LplA2-
encoding locus in Staphylococcus aureus pathogenesis Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

ILLINOIS

Marcella Vaicik, PhD, MS, BS

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
Illinois Institute of Technology, Chicago City: Chicago Project Title: Research and
Education Program for Magnetic Resonance-based 3D Biomarker of Oxygen Utility in
the Brain and Heart Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years:
2 Total Award Amount: \$154,000

ILLINOIS

Linda Van Horn, BS, MA, PhD

Program Type: Strategically Focused Research Network Institution: Northwestern
University, Chicago City: Chicago Project Title: Keeping Ideal Cardiovascular Health
Family Intervention Trial: KIDFIT Award Start Date: 7/1/2017 Award End Date: 6/30/2021
Total Years: 4 Total Award Amount: \$1,065,165

ILLINOIS

Xinlong Wang, PhD

Program Type: Postdoctoral Fellowship Institution: Northwestern University, Evanston
City: Evanston Project Title: Postinfarction treatment using multifunctional cardiac
patch with cardiomyocytes derived from patient iPSCs Award Start Date: 1/1/2019
Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532



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ILLINOIS

Kishore Wary, PhD

Program Type: Transformational Project Award Institution: University of Illinois at Chicago City: Chicago Project Title: Nanog in the regulation cardiac vascular network regeneration Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

ILLINOIS

Deborah Winter, PhD

Program Type: Career Development Award Institution: Northwestern University, Chicago City: Chicago Project Title: Understanding the molecular link between cardiovascular disease and rheumatoid arthritis Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

ILLINOIS

Xiaoyan Yang, PhD, MD

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

ILLINOIS

Hoda Zarkoob, PhD

Program Type: Postdoctoral Fellowship Institution: Northwestern University, Chicago City: Chicago Project Title: Cardiomyocyte Mechanotransduction through Desmoplakin/RhoGEF Ect2 Interaction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

ILLINOIS

Lianghui Zhang, PhD

Program Type: Career Development Award Institution: University of Illinois at Chicago City: Chicago Project Title: The Regulation of Endothelial Regeneration in Acute Lung Injury by Sox17 Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

ILLINOIS

Maggie Zhu, BS, MS

Program Type: Predoctoral Fellowship Institution: Ann & Robert H. Lurie Children's Hospital of Chicago City: Chicago 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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INDIANA

Mohammed Alkhoul, BA

Program Type: Predoctoral Fellowship Institution: Indiana University, Indianapolis City:

Indianapolis 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

INDIANA

Tatsuya Aonuma, MD, PhD

Program Type: Postdoctoral Fellowship Institution: Indiana University, Indianapolis City:

Indianapolis Project Title: The axis of long noncoding RNA MIAT and microRNA-150 in
acute myocardial infarction Award Start Date: 7/1/2018 Award End Date: 6/30/2020

Total Years: 2 Total Award Amount: \$106,532

INDIANA

Ruchi Bansal, MS

Program Type: Predoctoral Fellowship Institution: Indiana University, Indianapolis City:

Indianapolis 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

INDIANA

Melissa Brindise, BS

Program Type: Predoctoral Fellowship Institution: Purdue University, West Lafayette

City: West Lafayette 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

INDIANA

Hueisheng Vincent Chen, MD, PhD

Program Type: Innovative Project Award Institution: Indiana University, Indianapolis

City: Indianapolis Project Title: Studying pathogenesis of Brugada Syndrome using

patient-specific induced pluripotent stem cells (iPSCs) Award Start Date: 7/1/2019

Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

INDIANA

Qiuyan Chen, PhD

Program Type: Postdoctoral Fellowship Institution: Purdue University, West Lafayette

City: West Lafayette Project Title: Structural basis of GPCR mediated GRK activation

Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award

Amount: \$106,532



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INDIANA

Zhenhui Chen, PhD

Program Type: Transformational Project Award Institution: Indiana University, Indianapolis City: Indianapolis Project Title: Specific Accumulation of Phospholamban in Nuclear Membranes of Cardiomyocytes: Role in Regulating Nuclear Calcium Stores Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

INDIANA

Andrea Frump, PhD

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

INDIANA

Rajani George, PhD, BSC

Program Type: Postdoctoral Fellowship Institution: Indiana University, Indianapolis City: Indianapolis Project Title: Epigenetic Regulation of Hand1 During Heart Development Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

INDIANA

Humaira Gowher, PhD

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

INDIANA

Lei Han, PhD

Program Type: Postdoctoral Fellowship Institution: Indiana University, Indianapolis City: Indianapolis Project Title: A Novel Human lncRNA PG1 Determines Mesoderm Specification via Interacting with PRC1 Complex Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

INDIANA

Donny Hanjaya-Putra, PhD, BS

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



**American
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INDIANA

Matthew Harber, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution: Ball State University City: Muncie Project Title: Cardiopulmonary Exercise Testing and Mortality Outcomes Award Start Date: 4/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$153,917

INDIANA

Miyeon Jung, PhD

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

INDIANA

Yen Chun Lai, PhD

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

INDIANA

Suba Rajendren, BS

Program Type: Predoctoral Fellowship Institution: Indiana University, Bloomington City: Bloomington 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

INDIANA

Dhritiman Samanta, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Indiana University, Indianapolis City: Indianapolis Project Title: Elucidating the mechanisms behind Coxiella burnetii regulation of vesicular pH Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

INDIANA

Bruno Tesini Roseguini, PT, MSc, PhD

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



**American
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INDIANA

James Tisdale, BSC, PharmD

Program Type: Transformational Project Award Institution: Purdue University, West Lafayette City: West Lafayette Project Title: Reducing the Risk of Drug-Induced QT Interval Lengthening in Women Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

INDIANA

Joshua Vincentz, PhD

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

INDIANA

Stephanie Ware, PhD, MD

Program Type: Transformational Project Award Institution: Indiana University, Indianapolis City: Indianapolis Project Title: The genetics of cardiovascular malformations: a clinical approach Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

INDIANA

Yueh-Fu Wu, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Notre Dame City: Notre Dame 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

INDIANA

Lei Yang, PhD

Program Type: Transformational Project Award Institution: Indiana University, Indianapolis City: Indianapolis Project Title: Dissecting essential roles of ARID1A in controlling cardiac and neural differentiation from human pluripotent stem cells Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

IOWA

Evan Abel, MD PhD

Program Type: Strategically Focused Research Network Institution: University of Iowa, Iowa City City: Iowa City Project Title: Coupling glucose uptake and pyruvate utilization to increase myocardial recovery in heart failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$1,042,800



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IOWA

Christopher Ahern, PhD, BS

Program Type: Established Investigator Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: Expanding the genetic code in muscle Award Start Date:
1/1/2015 Award End Date: 12/31/2019 Total Years: 5 Total Award Amount: \$400,000

IOWA

Christopher Ahern, PhD, BS

Program Type: Transformational Project Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: A Versatile Chemical-Genetic Approach to Examine Sodium
Channelopathies Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$300,000

IOWA

Deniz Atasoy, PhD

Program Type: Transformational Project Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: Synaptic Mechanisms of Obesity Induced Hypertension
Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award
Amount: \$300,000

IOWA

Janet Catov, PhD

Program Type: Strategic Collaborative Grant Institution: University of Iowa, Iowa City
City: Iowa City Project Title: Mechanisms of Early and Late Postpartum Hypertension in
Human Preeclampsia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$202,254

IOWA

Kai Chang, BS

Program Type: Predoctoral Fellowship Institution: Iowa State University City: Ames
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

IOWA

Anil Chauhan, PhD, MT, MSc, BSC

Program Type: Established Investigator Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: Novel mechanisms linking thrombosis and inflammation
Award Start Date: 1/1/2018 Award End Date: 12/31/2022 Total Years: 5 Total Award
Amount: \$400,000



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IOWA

Baoyu Chen, BS, MS, PhD

Program Type: Innovative Project Award Institution: Iowa State University City: Ames

Project Title: Exploring a Missing Mechanism that Links Redox Signaling to Actin

Remodeling in Angiogenesis Award Start Date: 7/1/2019 Award End Date: 6/30/2021

Total Years: 2 Total Award Amount: \$200,000

IOWA

Sanjana Dayal, PhD

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:

Iowa City Project Title: Role of gut microbiome in age-associated thrombosis Award

Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:

\$200,000

IOWA

Guorui Deng, PhD, BS

Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:

Iowa City Project Title: Mechanisms of angiotensin AT1A signal transduction in AgRP

neurons for metabolic rate control Award Start Date: 1/1/2019 Award End Date:

3/31/2021 Total Years: 2 Total Award Amount: \$106,532

IOWA

Prakash Doddapattar, PhD

Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:

Iowa City Project Title: Mechanistic role of integrin alpha9beta1 in atherosclerosis Award

Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:

\$114,368

IOWA

Ravinder Reddy Gaddam, BSC, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:

Iowa City Project Title: Gut-microbiota regulated vascular microRNA-204 promotes

endothelial dysfunction in diabetes. Award Start Date: 1/1/2019 Award End Date:

12/31/2020 Total Years: 2 Total Award Amount: \$104,060

IOWA

Justin Grobe, PhD, BS, BA

Program Type: Established Investigator Award Institution: University of Iowa, Iowa City

City: Iowa City Project Title: Hypothalamic mechanisms of cardiometabolic and

obstetric disease Award Start Date: 1/1/2018 Award End Date: 12/31/2022 Total Years: 5

Total Award Amount: \$400,000



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IOWA

Isabella Grumbach, MD PhD

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:
Iowa City Project Title: New models of radiation endotheliopathy Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

IOWA

Modar Kassan, PhD

Program Type: Career Development Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: miR-204/Sirt1 axis induces endothelial dysfunction by
targeting vascular serotonin in diabetes/obesity Award Start Date: 7/1/2018 Award End
Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

IOWA

Helena Kenny, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City Project Title: Inducible Deletion of OPA1 Causes Mitochondrial
Fragmentation, ER stress and Cardiac Dysfunction Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

IOWA

Rachel Luehrs, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City 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

IOWA

Jared Mclendon, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City Project Title: Regulation of Cardiac Signalling by Beta-Taxilin Award Start
Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

IOWA

Elizabeth Mcneill, PhD, BS

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

IOWA

Manasa Nayak, BSC, MSc, PhD



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Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City Project Title: Role of aerobic glycolysis in platelet function and thrombosis
Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award
Amount: \$110,456

IOWA

Eric Nuxoll, PhD, BS, BS

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:
Iowa City Project Title: Thermoelectric Mitigation of Implant Infections Award Start
Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

IOWA

Gary Pierce, PhD, MS, BS

Program Type: Transformational Project Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: Inorganic Nitrate, Large Artery Stiffness and Cerebral Blood
Flow in Aged Humans Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

IOWA

Brittany Ripley, BS

Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City 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

IOWA

Mark Santillan, BS, BA, MD, PhD

Program Type: Strategic Collaborative Grant Institution: University of Iowa, Iowa City
City: Iowa City Project Title: Mechanisms of Early and Late Postpartum Hypertension in
Human Preeclampsia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$260,927

IOWA

Sarah Sapouckey, BS

Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City 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

IOWA

Sabrina Scroggins, PhD

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:



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Iowa City Project Title: Treatment of Preeclampsia Using Cellular Immunotherapy
Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award
Amount: \$199,997

IOWA

Namrata Singh, MSc, MD

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:
Iowa City Project Title: Hydroxychloroquine use and the risk of incident major
cardiovascular events Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total
Years: 2 Total Award Amount: \$200,000

IOWA

Uday Singh, PhD

Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City Project Title: The role of PVN MC4R circuits in obesity-associated hypertension
Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award
Amount: \$104,060

IOWA

Long-Sheng Song, MD, MS

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:
Iowa City Project Title: Determining the role of junctophilin-2 in vascular smooth muscle
physiology and disease Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total
Years: 2 Total Award Amount: \$200,000

IOWA

Long-Sheng Song, MD, MS

Program Type: Transformational Project Award Institution: University of Iowa, Iowa City
City: Iowa City Project Title: MG53: A double-edged sword in cardiac T-tubule damage
and repair Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total
Award Amount: \$300,000

IOWA

Kelli Sylvers, BS

Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City:
Iowa City 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

IOWA

William Thiel, BS, PhD

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City:



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Iowa City Project Title: Generation of Cardiac Specific Aptamer Ligands Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

IOWA

Ajit Vikram, BS, MS, PhD

Program Type: Career Development Award Institution: University of Iowa, Iowa City City: Iowa City Project Title: Gut-microbiota sensitive vascular microRNA-204 promotes diabetes-associated endothelial dysfunction Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

IOWA

Robert Weiss, MD

Program Type: Innovative Project Award Institution: University of Iowa, Iowa City City: Iowa City Project Title: Targeting Transient Receptor Potential Cation Channel Subfamily V Member 4 Signaling in Aortic Valve Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

IOWA

Zeyuan Zhang, BS, MS

Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City: Iowa City 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

KANSAS

Simranjot Bawa, BS, MS

Program Type: Predoctoral Fellowship Institution: Kansas State University, Manhattan City: Manhattan 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

KANSAS

Andras Czirok, PhD

Program Type: Innovative Project Award Institution: University of Kansas Medical Center City: Kansas City Project Title: Medium throughput cardiotoxicity screening utilizing avian embryos, image processing and machine learning Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

KANSAS

Nidhi Dwivedi, PhD

Program Type: Postdoctoral Fellowship Institution: University of Kansas Medical Center



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City: Kansas City Project Title: Cystic Epithelial Connective Tissue Growth Factor Stimulates Interstitial Fibrosis in Polycystic Kidney Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

KANSAS

Jeff Mcfarlane, BS, MA

Program Type: Predoctoral Fellowship Institution: University of Kansas, Lawrence City: Lawrence 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

KANSAS

Yinglong Miao, PhD

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

KANSAS

Masanaga Muto, PhD

Program Type: Postdoctoral Fellowship Institution: University of Kansas Medical Center City: Kansas City Project Title: Anti-coagulation factors and regulation of endovascular trophoblast and uterine spiral artery remodeling Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

KENTUCKY

Brooke Ahern, BS

Program Type: Predoctoral Fellowship Institution: University of Kentucky, Lexington City: Lexington 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

KENTUCKY

Timothy Audam, BS, MS, MS

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

KENTUCKY

Bradley Berron, PhD, BS

Program Type: Innovative Project Award Institution: University of Kentucky, Lexington



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City: Lexington Project Title: Intentional positioning of cells in a decellularized heart
Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award
Amount: \$200,000

KENTUCKY

Lisa Cassis, BS, PhD

Program Type: Strategically Focused Research Network Institution: University of
Kentucky, Lexington City: Lexington Project Title: Sexual dimorphism of aortopathies
Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award
Amount: \$1,042,800

KENTUCKY

Alan Daugherty, PhD, DSc

Program Type: Strategically Focused Research Network Institution: University of
Kentucky, Lexington City: Lexington Project Title: University of Kentucky- Baylor College
of Medicine Aortopathy Research Center Award Start Date: 4/1/2018 Award End Date:
3/31/2022 Total Years: 4 Total Award Amount: \$580,800

KENTUCKY

Alan Daugherty, PhD, DSc

Program Type: Strategically Focused Research Network Institution: University of
Kentucky, Lexington City: Lexington Project Title: Role of sex hormones on elastin
stability in formation of thoracic aortopathies Award Start Date: 4/1/2018 Award End
Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,042,800

KENTUCKY

Sanda Despa, PhD

Program Type: Transformational Project Award Institution: University of Kentucky,
Lexington City: Lexington Project Title: Cardiovascular consequences of gestational
diabetes; role of amylin Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

KENTUCKY

Brandon Farmer, BS

Program Type: Predoctoral Fellowship Institution: University of Kentucky, Lexington
City: Lexington 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

KENTUCKY

David Henson, BA



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Program Type: Predoctoral Fellowship Institution: University of Kentucky, Lexington
City: Lexington 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

KENTUCKY

Steven Jones, PhD

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

KENTUCKY

Jonathan Kopechek, BS, PhD

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

KENTUCKY

Maria Kraemer, BS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Kentucky, Lexington
City: Lexington Project Title: Regulation and Function of Lipoprotein Associated
Bioactive Lysophospholipid Mediators of Atherosclerosis Award Start Date: 7/1/2018
Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

KENTUCKY

Han Ly, BS

Program Type: Predoctoral Fellowship Institution: University of Kentucky, Lexington
City: Lexington 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

KENTUCKY

Matthew Nystoriak, BA, PhD

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

KENTUCKY

Jonathan Satin, PhD



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Program Type: Undergraduate fellowship Institution: University of Kentucky, Lexington
City: Lexington Project Title: University of Kentucky Undergraduate Training in
Cardiovascular Research Award Start Date: 2/1/2017 Award End Date: 1/31/2020 Total
Years: 3 Total Award Amount: \$60,000

KENTUCKY

Hisashi Sawada, MD, PhD

Program Type: Postdoctoral Fellowship Institution: University of Kentucky, Lexington
City: Lexington Project Title: The impact of smooth muscle cell embryonic origin on TGF
- beta signaling during thoracic aortic aneurysm formation Award Start Date: 7/1/2018
Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$122,960

KENTUCKY

Ann Stowe, PhD, BA

Program Type: Established Investigator Award Institution: University of Kentucky,
Lexington City: Lexington Project Title: Rethinking repair: long-term adaptive immunity
supports functional recovery for stroke patients Award Start Date: 4/1/2019 Award End
Date: 3/31/2024 Total Years: 5 Total Award Amount: \$400,000

KENTUCKY

Sudhakar Veeranki, PhD, DVM, MSc

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

KENTUCKY

Vincent Venditto, PhD

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

KENTUCKY

Changcheng Zhou, PhD, MSc, BS

Program Type: Transformational Project Award Institution: University of Kentucky,
Lexington City: Lexington Project Title: A novel role for IKKbeta in epicardial adipose
tissue formation Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$300,000



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LOUISIANA

Shafiul Alam, PhD, MSc, BSC

Program Type: Postdoctoral Fellowship Institution: Louisiana State University Health Sciences Center Shreveport City: Shreveport Project Title: Sigmar1 autophagic function in protecting cardiac proteotoxicity Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

LOUISIANA

Zaki Al-Yafeai, MBBS

Program Type: Predoctoral Fellowship Institution: Louisiana State University Health Sciences Center Shreveport City: Shreveport 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

LOUISIANA

M Pia Chaparro, PhD, MS, BS

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

LOUISIANA

Alexandre Couto E Silva, BS

Program Type: Predoctoral Fellowship Institution: Louisiana State University Health Sciences Center Shreveport City: Shreveport 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

LOUISIANA

Yoriko Heianza, PhD

Program Type: Postdoctoral Fellowship Institution: Tulane University, New Orleans City: New Orleans Project Title: Atherogenic Lipoproteins and Cardiovascular risk: Exploring the Roles of Metabolomic and Lipidomic Markers Award Start Date: 1/1/2019 Award End Date: 2/28/2021 Total Years: 2 Total Award Amount: \$114,368

LOUISIANA

Suttira Intapad, BSC, PhD

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



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LOUISIANA

Olan Jackson-Weaver, PhD

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

LOUISIANA

Liliang Jin, PhD

Program Type: Postdoctoral Fellowship Institution: Louisiana State University, Baton
Rouge City: Baton Rouge Project Title: NLRP6 in Bacterial Pneumonia Award Start Date:
7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

LOUISIANA

Reggie Lee, PhD, BS

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

LOUISIANA

Xiang Li, MS, MD

Program Type: Predoctoral Fellowship Institution: Tulane University, New Orleans City:
New Orleans 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

LOUISIANA

Hung Wen Lin, BS, PhD

Program Type: Transformational Project Award Institution: Louisiana State University
Health Sciences Center Shreveport City: Shreveport Project Title: Regulation of the
Sympathetic Nervous System in Cerebral Ischemia Award Start Date: 7/1/2019 Award
End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

LOUISIANA

Hongbing Liu, PhD

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



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LOUISIANA

Ibolya Rutkai, MSc, PhD

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

LOUISIANA

Thomas Sharp, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Louisiana State University, New
Orleans City: New Orleans Project Title: Combine Cell Therapy and Renal Denervation
to Prevent Heart Failure after Myocardial Infarction Award Start Date: 7/1/2018 Award
End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$103,328

LOUISIANA

Celeste Yin-Chieh Wu, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Louisiana State University Health
Sciences Center Shreveport City: Shreveport Project Title: Neuropeptide Y-Mediated
Neuroprotection Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2
Total Award Amount: \$110,456

MAINE

David Harrison, PhD

Program Type: Collaborative Sciences Award Institution: The Jackson Laboratory City:
Bar Harbor Project Title: Neurovascular interactions in adipose tissue and effects on
cardiometabolic health Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total
Years: 3 Total Award Amount: \$1

MAINE

Lucy Liaw, PhD

Program Type: Transformational Project Award Institution: Maine Medical Center City:
Portland Project Title: Novel Vascular Protective Mechanisms in Dietary-Associated
Extension of Healthspan Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

MAINE

Lucy Liaw, PhD

Program Type: Undergraduate fellowship Institution: Maine Medical Center City:
Portland Project Title: Enhancing the diversity of college student research interns at
Maine Medical Center Award Start Date: 4/1/2018 Award End Date: 3/31/2021 Total
Years: 3 Total Award Amount: \$60,000



**American
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MAINE

Kristy Townsend, PhD

Program Type: Collaborative Sciences Award Institution: University of Maine City: Orono

Project Title: Neurovascular interactions in adipose tissue and effects on

cardiometabolic health Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total

Years: 3 Total Award Amount: \$749,999

MARYLAND

Giulio Agnetti, PhD

Program Type: Transformational Project Award Institution: Johns Hopkins University

School of Medicine City: Baltimore Project Title: Novel Mechanisms and Therapies for

Proteopathic Heart Failure Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total

Years: 3 Total Award Amount: \$300,000

MARYLAND

Rexford Ahima, MD PhD

Program Type: Strategically Focused Research Network Institution: Johns Hopkins

University City: Baltimore Project Title: Metabolic and Cardiovascular Effects of Time-

Restricted Feeding in Obese Mice Award Start Date: 4/1/2017 Award End Date: 3/31/2021

Total Years: 4 Total Award Amount: \$669,341

MARYLAND

Peter Andersen, MSc, PhD

Program Type: Career Development Award Institution: Johns Hopkins University School

of Medicine City: Baltimore Project Title: A mechanistic exploration of heart field

specification in cardiac organoids Award Start Date: 4/1/2019 Award End Date:

3/31/2022 Total Years: 3 Total Award Amount: \$231,000

MARYLAND

Mark Anderson, MD, PhD

Program Type: Collaborative Sciences Award Institution: Johns Hopkins University

School of Medicine City: Baltimore Project Title: Defining a new metabolic pathway in

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

3 Total Award Amount: \$375,000

MARYLAND

Dan Arking, PhD

Program Type: Strategically Focused Research Network Institution: Johns Hopkins

University City: Baltimore Project Title: Genomics of Sudden Cardiac Arrest Risk among

Men and Women Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4

Total Award Amount: \$1,140,596



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MARYLAND

Mona Bahouth, MSN, MD

Program Type: Career Development Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Dehydration and early stroke outcome Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MARYLAND

Mona Bahouth, MSN, MD

Program Type: Innovative Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Hydration is vital: Understanding the neuro-consequences of dehydration after stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$198,590

MARYLAND

Sebastian Barreto, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Investigating blue light activation of opsins as a novel approach to treat vasoconstrictive diseases Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

MARYLAND

Wendy Bennett, MD

Program Type: Strategically Focused Research Network Institution: Johns Hopkins University City: Baltimore Project Title: The impact of timing of eating on weight: A Multi-site Cohort Study using The Metabolic Compass Mobile Application Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$1,033,330

MARYLAND

Humberto Cavalcante Joca, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Maryland, Baltimore City: Baltimore Project Title: Mechano-chemo transduction in atrial myocytes Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MARYLAND

Stephen Chelko, BS, PhD

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



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MARYLAND

Jia-Nan Chen, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Neuroprotection in Stroke by Loss of Volume-Regulated Anion Channel in Astrocytes Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

MARYLAND

Daniela Cihakova, PhD, MD

Program Type: Transformational Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Regulatory role of pericardial macrophages in myocardial infarction Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Jeanne Clark, MD, MPH

Program Type: Strategically Focused Research Network Institution: Johns Hopkins University City: Baltimore Project Title: The role of time-restricted feeding on obesity and cardiometabolic health Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$668,741

MARYLAND

Swati Dey, BSC, MSc, PhD

Program Type: Transformational Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Transforming sympathetic nerves to parasympathetic in vivo prevents sudden death in males and females with heart failure Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Kelly Doran, RN, PhD

Program Type: Transformational Project Award Institution: University of Maryland, Baltimore City: Baltimore Project Title: WHHIP-PLUS Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Ashish Doshi, PhD, MD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University City: Baltimore Project Title: Personalized, image-based computational models for ventricular arrhythmia risk assessment in myocarditis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$125,120



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MARYLAND

Thomaz Fleury Curado, MD PhD

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

MARYLAND

D Brian Foster, PhD

Program Type: Transformational Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Preserving Cardiac Retinoic Acid Homeostasis as a Therapeutic Approach to Heart Failure Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Kristi Frank, BS, BS, PhD

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

MARYLAND

Jin-Oh Hahn, PhD, MS, BS

Program Type: Innovative Project Award Institution: University of Maryland City: College Park Project Title: Ultra-Convenient Cardiovascular Risk Predictors Measurement Based on the Ballistocardiogram Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

MARYLAND

Gerald Hart, PhD

Program Type: Collaborative Sciences Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Defining a new metabolic pathway in myocardial disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$375,000

MARYLAND

Eric Hartman, BS, BS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins Bloomberg School of Public Health/Johnson & Johnson Community City: Baltimore 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



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MARYLAND

Narutoshi Hibino, MD, PhD

Program Type: Innovative Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Bio 3d printed cardiac tissue to investigate pathogenesis of single ventricle Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

MARYLAND

Chenyu Huang, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University City: Baltimore Project Title: Biomechanical Properties of Human Induced Pluripotent Stem Cell-Derived 3D Cardiac Microtissues Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

MARYLAND

Elizabeth Hunt, BS, MD, MPH, PhD

Program Type: Innovative Project Award Institution: Johns Hopkins University City: Baltimore Project Title: Development of a Large Screen Integrated Data Display to Facilitate Pediatric Cardiac Arrest Management Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

MARYLAND

John Jamieson, BS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University City: Baltimore 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

MARYLAND

Michelle Johansen, MD, MD, BS

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

MARYLAND

David Kass, MD

Program Type: Strategically Focused Research Network Institution: Johns Hopkins University City: Baltimore Project Title: Female sex-hormones and cyclic GMP-PKG Modulation of Cardiac Disease and Metabolism Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$1,130,800



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MARYLAND

Chulan Kwon, PhD

Program Type: Established Investigator Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Understanding the Biology of Cardiac Progenitors and Myocytes Award Start Date: 1/1/2018 Award End Date: 12/31/2022 Total Years: 5 Total Award Amount: \$399,995

MARYLAND

Xi Lan, PhD

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

MARYLAND

Jennifer Lee-Summers, MD, BA

Program Type: Transformational Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Proteasome modulation as a novel therapeutic for neonatal encephalopathy Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Thorsten Leucker, MD, PhD

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

MARYLAND

Deqiang Li, PhD

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

MARYLAND

Zixuan Lin, BS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore 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



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MARYLAND

Yue Liu, MBBS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University City: Baltimore 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

MARYLAND

Thomas Longden, BSC, PhD

Program Type: Innovative Project Award Institution: University of Maryland, Baltimore City: Baltimore Project Title: Blood Flow in Learning and Memory Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

MARYLAND

Justin Lowenthal, BS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore 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

MARYLAND

Elisabeth Marsh, MD

Program Type: Innovative Project Award Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Imaging the Network: Using MEG to Understand the Pathophysiology of Cognitive Deficits After Minor Stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

MARYLAND

Nisa Maruthur, MD

Program Type: Strategically Focused Research Network Institution: Johns Hopkins University City: Baltimore Project Title: The Effect of Time-Restricted, Isocaloric Feeding on Weight: A Randomized Feeding Study in Obese Adults Award Start Date: 4/1/2017 Award End Date: 3/31/2021 Total Years: 4 Total Award Amount: \$1,337,788

MARYLAND

Panagiotis Mistriotis, BS, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University City: Baltimore Project Title: Effect of compressive forces on vascular cell migration Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532



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MARYLAND

Grace Muller, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Mechanisms and chronic efficacy of phosphodiesterase1 inhibition to enhance cardiac contractility Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

MARYLAND

Sean Murphy, BS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University City: Baltimore Project Title: The use of small molecule activation of PPAR/PGC1 α 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

MARYLAND

James Osei-Owusu, BSc, MSc

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore 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

MARYLAND

Pamela Ouyang, MBBS

Program Type: Strategic Collaborative Grant Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Timing of Sleep and of Food Intake in Obese Patients with HFpEF Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$153,969

MARYLAND

Pamela Ouyang, MBBS

Program Type: Strategically Focused Research Network Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Heart Failure with Preserved EF: Female sex-hormones and cyclic GMP-PKG Modulation of Cardiac Disease and Metabolism Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award Amount: \$682,004

MARYLAND

Deepesh Pandey, BA, PhD

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



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MARYLAND

Elizabeth Parker, BS, PhD, RD

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

MARYLAND

Wendy Post, MD, MS

Program Type: Strategically Focused Research Network Institution: Johns Hopkins
University School of Medicine City: Baltimore Project Title: Sex Differences in Hormonal
and Cyclic GMP Dependent Pathways to Heart Failure with Preserved Ejection Fraction
Award Start Date: 4/1/2016 Award End Date: 3/31/2020 Total Years: 4 Total Award
Amount: \$812,764

MARYLAND

Mark Ranek, BS, PhD

Program Type: Career Development Award Institution: Johns Hopkins University School
of Medicine City: Baltimore Project Title: PKG Phosphorylates Chip to Enhance Cardiac
Protein Quality Control and Function Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MARYLAND

Suchi Saria, PhD

Program Type: Institute - AI and ML Institution: Johns Hopkins University City: Baltimore
Project Title: Real-Time Prediction of Cardiogenic Shock in Acute Decompensated Heart
Failure Using Machine Learning Award Start Date: 7/1/2018 Award End Date: 6/30/2020
Total Years: 2 Total Award Amount: \$200,000

MARYLAND

Michael Schar, PhD

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

MARYLAND

William Schmidt, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University School of
Medicine City: Baltimore Project Title: Investigation of Actin Acetylation as a Modulator
of Cardiac Muscle Performance Award Start Date: 7/1/2017 Award End Date: 8/30/2019
Total Years: 2 Total Award Amount: \$106,532



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MARYLAND

Sudhish Sharma, PhD

Program Type: Career Development Award Institution: University of Maryland,
Baltimore City: Baltimore Project Title: Characterization of the Cardiac Progenitor Cell
derived Exosomes for Optimal Therapeutics Award Start Date: 7/1/2018 Award End Date:
6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MARYLAND

Mi-Kyung Shin, BS, MS, PhD

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

MARYLAND

Emmanouil Tampakakis, BS, MD

Program Type: Transformational Project Award Institution: Johns Hopkins University
School of Medicine City: Baltimore Project Title: Regulation of stem cell-derived
cardiomyocyte contractility to examine their role in cardiac regeneration. Award Start
Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Jieru Wan, MD, MS

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University School of
Medicine City: Baltimore Project Title: Iron-dependent lipid peroxidation after
intracerebral hemorrhage Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total
Years: 2 Total Award Amount: \$114,368

MARYLAND

Huichun Xu, MD, PhD

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

MARYLAND

Xin Yun, MD, PhD

Program Type: Postdoctoral Fellowship Institution: Johns Hopkins University School of
Medicine City: Baltimore Project Title: Aquaporin 1-mediated resistance to apoptosis
during pulmonary hypertension. Award Start Date: 7/1/2018 Award End Date: 6/30/2020
Total Years: 2 Total Award Amount: \$106,532



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MARYLAND

Li Zhang, PhD

Program Type: Transformational Project Award Institution: University of Maryland, Baltimore City: Baltimore Project Title: A novel radiation-resistant CD11b-expressing leukocyte population with atheroprotective activities Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MARYLAND

Chen Zhao, MS, BS

Program Type: Predoctoral Fellowship Institution: Johns Hopkins University School of Medicine City: Baltimore 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

MASSACHUSETTS

John Ahrens, BS

Program Type: Predoctoral Fellowship Institution: Harvard University, Cambridge City: Cambridge 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

MASSACHUSETTS

Amrendra Ajay, PhD

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

MASSACHUSETTS

Andrew Allegretti, MD

Program Type: Career Development Award Institution: Massachusetts General Hospital City: Boston Project Title: Vascular Activation in Hepatorenal Syndrome Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MASSACHUSETTS

Md Almamun, PhD, MS, DVM

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: Determine the role of ANKRD26 and Septins gene in megakaryopoiesis/thrombopoiesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532



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MASSACHUSETTS

Rodrigo Alves De Souza, PhD, MS, BS

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

MASSACHUSETTS

Krishna Aragam, BA, MD, MS

Program Type: Institute - Uncovering New Patterns Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: Genetic determinants of physical activity and association with cardiometabolic disease Award Start Date: 4/2/2018 Award End Date: 3/31/2020 Total Years: 2 Total Award Amount: \$149,998

MASSACHUSETTS

Louis Awad, PhD, PT, BS

Program Type: Innovative Project Award Institution: Boston University, Boston City: Boston Project Title: TASK-AWARE MOVEMENT ASSESSMENT: SMART CONTROL OF POWERED ASSISTIVE TECHNOLOGIES AND AUTOMATED DIAGNOSTIC TESTING Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$199,958

MASSACHUSETTS

Louis Awad, PhD, PT, BS

Program Type: Transformational Project Award Institution: Harvard University, Cambridge City: Cambridge Project Title: Robotic Exosuit Augmented Locomotion (REAL) training in the clinic and community Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$299,973

MASSACHUSETTS

Cenk Ayata, MD

Program Type: Transformational Project Award Institution: Massachusetts General Hospital City: Boston Project Title: Microfluidic capture of ultra-rare circulating brain endothelial cells using blood biopsy. Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$299,610

MASSACHUSETTS

Ali Azarbarzin, PhD

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



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MASSACHUSETTS

Lindsey Bazzone, BS, MD PhD

Program Type: Postdoctoral Fellowship Institution: University of Massachusetts Medical School City: Worcester Project Title: The Role of ADAM9 in the Immunopathogenesis of Viral Myocarditis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

MASSACHUSETTS

Emelia Benjamin, MD

Program Type: Strategically Focused Research Network Institution: Boston University Medical Campus City: Boston Project Title: Advancing Atrial Fibrillation Precision Medicine Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$890,407

MASSACHUSETTS

Sudha Biddinger, MD PhD

Program Type: Established Investigator Award Institution: Boston Children's Hospital City: Boston Project Title: Mechanisms underlying diabetes associated cardiovascular disease: beyond hyperglycemia Award Start Date: 1/1/2017 Award End Date: 12/31/2021 Total Years: 5 Total Award Amount: \$400,000

MASSACHUSETTS

Simon Body, MB ChB

Program Type: Collaborative Sciences Award Institution: Brigham & Women's Hospital City: Boston Project Title: Genetic and Molecular Determinants of Bicuspid and Calcific Aortic Valve Disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$297,000

MASSACHUSETTS

Andras Boeszoermenyi, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Dana-Farber Cancer Institute, Boston City: Boston Project Title: Therapeutic targeting of SREBP-dependent lipogenesis by disrupting essential protein-protein interactions Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

MASSACHUSETTS

Marc Bonaca, MD, MPH

Program Type: Strategically Focused Research Network Institution: Brigham & Women's Hospital City: Boston Project Title: Understanding Pathobiology and Predictors of Limb Ischemia to Improve Outcomes in Peripheral Artery Disease and Diabetes Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$580,800



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MASSACHUSETTS

Marc Bonaca, MD, MPH

Program Type: Strategically Focused Research Network Institution: Brigham & Women's Hospital City: Boston Project Title: Risk Prediction and Personalizing Therapy to Prevent Critical Limb ischemia in Patients with PAD and Diabetes Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,042,800

MASSACHUSETTS

David Breault, MD PhD

Program Type: Transformational Project Award Institution: Boston Children's Hospital City: Boston Project Title: FGF Signaling in Primary Aldosteronism Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Rosa Breton-Romero, BS, PhD

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

MASSACHUSETTS

Danielle Brooks, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City: Boston Project Title: The Role of the Salt-Sensitive Epigenetic Regulator Lysine-Specific Demethylase 1 (LSD1) in Aldosterone Production Award Start Date: 7/1/2018 Award End Date: 9/30/2020 Total Years: 2 Total Award Amount: \$110,456

MASSACHUSETTS

Yujun Cai, PhD, MS

Program Type: Transformational Project Award Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Function and regulation of cyclic nucleotide phosphodiesterase 10A in arterial restenosis Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Gulden Camci-Unal, PhD

Program Type: Transformational Project Award Institution: University of Massachusetts, Lowell City: Lowell Project Title: Novel Pre-Vascularized Scaffolds for Personalized Myocardial Repair Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$299,999



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MASSACHUSETTS

Alan Cantor, MD PhD

Program Type: Innovative Project Award Institution: Boston Children's Hospital City: Boston Project Title: 3D Chromatin Interaction Analysis to Accurately Map Cis-Regulatory Elements to Human Megakaryocyte/Platelet Genes Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Francisco Carrillo-Salinas, BSC, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Tufts University, Boston City: Boston Project Title: Role of gut microbiota induced immune responses in heart failure Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Andreane Cartier, BSC, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: Novel regulators for Sphingosine 1-Phosphate receptor endocytosis and their role in vascular morphology and integrity. Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

MASSACHUSETTS

Christopher Chan, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: Cardiovascular risk factors impair T cell development and thymic function Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Snehal Chaudhari, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard Medical School City: Boston Project Title: A novel microbiome-induced GLP-1 agonist confers beneficial alterations in the enterocardiac axis post-bariatric surgery Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Hong Chen, BSC, MS, PhD

Program Type: Established Investigator Award Institution: Boston Children's Hospital City: Boston Project Title: The role of pro-atherogenic molecule epsin in regulating cardiovascular diseases Award Start Date: 1/1/2015 Award End Date: 12/31/2019 Total Years: 5 Total Award Amount: \$400,000



**American
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MASSACHUSETTS

Michael Chin, PhD, MD

Program Type: Innovative Project Award Institution: Tufts Medical Center City: Boston
Project Title: Pathological Pathway Activation at Single Cell Resolution and Biomarker
detection in Human Hypertrophic Cardiomyopathy Award Start Date: 7/1/2018 Award
End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Edward Chouchani, PhD

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

MASSACHUSETTS

Sangita Choudhury, PhD, MSc

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

MASSACHUSETTS

Ai Wern Chung, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City:
Boston Project Title: Exploring information transport in structural networks as an MRI
biomarker for altered brain organization in adult CHD Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$114,368

MASSACHUSETTS

Guohao Dai, PhD

Program Type: Innovative Project Award Institution: Northeastern University, Boston
City: Boston Project Title: Bioengineer autonomic neurovascular system to explore the
innervation of vascular grafts Award Start Date: 7/1/2019 Award End Date: 6/30/2021
Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Saumya Das, BA, MD, PhD

Program Type: Innovative Project Award Institution: Massachusetts General Hospital
City: Boston Project Title: Mechanisms of Obesity Related Atrial Fibrillation Award Start
Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000



**American
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MASSACHUSETTS

Saumya Das, BA, MD, PhD

Program Type: Strategically Focused Research Network Institution: Massachusetts

General Hospital City: Boston Project Title: Extracellular RNAs as Mediators of Cardiac

Remodeling in Human Heart Failure Award Start Date: 7/1/2016 Award End Date:

6/30/2020 Total Years: 4 Total Award Amount: \$1,042,800

MASSACHUSETTS

Edward Debold, PhD, MS, BSE

Program Type: Innovative Project Award Institution: University of Massachusetts,

Amherst City: Amherst Project Title: Development of a synthetic high-energy molecule

to power muscle function during acute myocardial ischemia and fatigue Award Start

Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Federica Del Monte, MD, PhD

Program Type: Collaborative Sciences Award Institution: Beth Israel Deaconess Medical

Center City: Boston Project Title: Myocardial Tauopathy: a new pathogenesis and

treatment for heart disease Award Start Date: 7/1/2017 Award End Date: 6/30/2020

Total Years: 3 Total Award Amount: \$486,000

MASSACHUSETTS

Olga Demler,

Program Type: Institute - Methods Validation Grant Institution: Brigham & Women's

Hospital City: Boston Project Title: Flexible Framework for Cardiovascular Risk Prediction

in a Clinical Setting Award Start Date: 10/1/2017 Award End Date: 9/30/2020 Total Years:

2 Total Award Amount: \$184,868

MASSACHUSETTS

Sharmila Dorbala, MD, MPH

Program Type: Strategic Renewal Grant Institution: Brigham & Women's Hospital City:

Boston Project Title: Molecular imaging and cellular toxicity measures for early

diagnosis of AL amyloid cardiomyopathy Award Start Date: 7/1/2019 Award End Date:

6/30/2021 Total Years: 2 Total Award Amount: \$250,000

MASSACHUSETTS

Peter Dumoulin, PhD, BSC

Program Type: Postdoctoral Fellowship Institution: Harvard School of Public Health City:

Boston Project Title: Study of Trypanosoma cruzi intracellular amastigote glutamine

metabolism and its impact on drug susceptibility Award Start Date: 1/1/2019 Award End

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



**American
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MASSACHUSETTS

Patrick Ellinor, MD, PhD

Program Type: Strategically Focused Research Network Institution: Massachusetts General Hospital City: Boston Project Title: Genomics and Epigenetics of Atrial Fibrillation Award Start Date: 7/1/2018 Award End Date: 6/30/2022 Total Years: 4 Total Award Amount: \$1,003,732

MASSACHUSETTS

Sammy Elmariah, MD, MPH

Program Type: Transformational Project Award Institution: Massachusetts General Hospital City: Boston Project Title: Left Ventricular Metabolic Remodeling in the Pressure Overloaded Heart Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Ahmed Fahmy, PhD

Program Type: Institute - AI and ML Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Deep-learning based platform for accurate quantification of scar burden in hypertrophic cardiomyopathy Award Start Date: 7/1/2019 Award End Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Omid Farokhzad, MD

Program Type: Collaborative Sciences Award Institution: Brigham & Women's Hospital City: Boston Project Title: Development of non-invasive diagnostic tools and therapeutic agents for superficial erosion using nanotechnology Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$219,999

MASSACHUSETTS

Mark Feinberg, MD

Program Type: Strategically Focused Research Network Institution: Brigham & Women's Hospital City: Boston Project Title: Non-coding RNAs in diabetic critical limb ischemia: discovery, pathobiology, and therapeutic intervention Award Start Date: 4/1/2018 Award End Date: 3/31/2022 Total Years: 4 Total Award Amount: \$1,042,800

MASSACHUSETTS

Elizabeth Fletcher, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Tufts Medical Center City: Boston Project Title: The Role of Monocyte PAR1 in Coronary Artery Disease and Myocardial Ischemia Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060



**American
Heart
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MASSACHUSETTS

Jane Freedman, MD, BA

Program Type: Strategically Focused Research Network Institution: University of Massachusetts Medical School City: Worcester Project Title: Extracellular RNA, Adverse Left Ventricular Remodeling, and Heart Failure Progression Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$1,042,800

MASSACHUSETTS

Arpan Ghosh, BSc, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard Medical School City: Boston Project Title: Characterizing the roles of muscle-VEGF mediated organ communication in lipid metabolism Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368

MASSACHUSETTS

Juan Manuel Gonzalez-Rosa, MSc, PhD

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

MASSACHUSETTS

Deepa Gopal, MD, MD

Program Type: Fellow-to-Faculty Transition Award Institution: Boston Medical Center City: Boston Project Title: Cardiac Phenotyping to Identify Preclinical Heart Failure in Metabolic Syndrome Award Start Date: 7/1/2017 Award End Date: 6/30/2022 Total Years: 5 Total Award Amount: \$593,000

MASSACHUSETTS

Yuxuan Guo, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: Determine the role of serum response factor signaling in cardiomyocyte maturation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

James Guseh, MD

Program Type: AHA-AMFDP Scholar Institution: Massachusetts General Hospital City: Boston Project Title: Evaluation of functional microRNA regulators of cardiac regression and atrophy Award Start Date: 7/1/2019 Award End Date: 6/30/2023 Total Years: 4 Total Award Amount: \$420,000



**American
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MASSACHUSETTS

Stefan Haemmig, PhD

Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City: Boston Project Title: Role of the lncRNA SNHG12 in atherosclerosis and DNA damage response Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$110,456

MASSACHUSETTS

Alireza Haghighi, MD, DPhil

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

MASSACHUSETTS

Myoung Sook Han, PhD

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

MASSACHUSETTS

Ian Harding, BS

Program Type: Predoctoral Fellowship Institution: Northeastern University, Boston City: Boston 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

MASSACHUSETTS

Mehdi Hedjazi Moghari, BSc, MSc, PhD

Program Type: Career Development Award Institution: Boston Children's Hospital City: Boston Project Title: Improving Outcomes in Pediatric Cardiology by Performing Virtual Cardiac Surgery Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MASSACHUSETTS

Leigh Hochberg, MD PhD

Program Type: Collaborative Sciences Award Institution: Massachusetts General Hospital City: Boston Project Title: Intracortical control of soft robotics for restoration of hand function after stroke Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$375,708



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MASSACHUSETTS

Mir Hossain, BS, MS, PhD

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

Boston Project Title: Characterization of master regulators of adult erythropoiesis

Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award

Amount: \$104,060

MASSACHUSETTS

Maarten Hulsmans, PhD, MS, BS

Program Type: Career Development Award Institution: Massachusetts General Hospital

City: Boston Project Title: Macrophage-Mediated Electrical and Structural Remodeling

after Myocardial Infarction Award Start Date: 4/1/2019 Award End Date: 3/31/2022 Total

Years: 3 Total Award Amount: \$231,000

MASSACHUSETTS

Kiho Im, PhD

Program Type: Innovative Project Award Institution: Boston Children's Hospital City:

Boston Project Title: Developing a Predictive Model of Fetal to Neonatal Brain

Development in Congenital Heart Disease Award Start Date: 7/1/2019 Award End Date:

6/30/2021 Total Years: 2 Total Award Amount: \$194,896

MASSACHUSETTS

Meher Juttukonda, BSE, PhD

Program Type: Career Development Award Institution: Massachusetts General Hospital

City: Boston Project Title: Microvascular hemodynamics of small vessel disease in

vascular dementia Award Start Date: 4/1/2019 Award End Date: 5/31/2022 Total Years: 3

Total Award Amount: \$231,000

MASSACHUSETTS

Caroline Keroack, MS, BA, BA

Program Type: Predoctoral Fellowship Institution: Harvard School of Public Health City:

Boston 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

MASSACHUSETTS

Diana Kim, BS, MHS, PhD

Program Type: Postdoctoral Fellowship Institution: Northeastern University, Boston City:

Boston Project Title: Endothelial Sox17 mediates smooth muscle phenotype and arterial remodeling Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total

Award Amount: \$106,532



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MASSACHUSETTS

Edy Kim, MD PhD, BA

Program Type: Fellow-to-Faculty Transition Award Institution: Brigham & Women's Hospital City: Boston Project Title: NKT cells protect against brain injury after cardiac arrest and resuscitation Award Start Date: 7/1/2015 Award End Date: 6/30/2020 Total Years: 5 Total Award Amount: \$593,000

MASSACHUSETTS

W. Taylor Kimberly, MD PhD

Program Type: Collaborative Sciences Award Institution: Massachusetts General Hospital City: Boston Project Title: Portable Magnetic Resonance Imaging for Cerebral Ischemia Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total Award Amount: \$176,518

MASSACHUSETTS

Peter Kip, MD

Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City: Boston Project Title: Vasculoprotective Mechanisms of Endogenous Hydrogen Sulfide in Vein Grafts Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Vijaya Kolachalama, PhD, BS

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

MASSACHUSETTS

Revanth Kosaraju, BS

Program Type: Predoctoral Fellowship Institution: Beth Israel Deaconess Medical Center City: Boston 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

MASSACHUSETTS

Varun Kumar, PhD

Program Type: Postdoctoral Fellowship Institution: The Schepens Eye Research Institute, Harvard Medical School, Boston City: Boston Project Title: Glia ER stress in Pathophysiology and Treatment of Diabetes and Ischemic Optic Neuropathy. Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532



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MASSACHUSETTS

Yu-Ting Kuo, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: Investigation of Chaperone-dependent Regulation of Sphingosine-1-Phosphate Functions Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Rebecca Lee, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard School of Public Health City: Boston Project Title: Investigating Plasmodium reticulocyte invasion as a route to elevating the spread of malaria Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Yang Lee, PhD, MS, BS

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: A novel role of Foxc2 in adult lymphatic function in obesity Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

MASSACHUSETTS

Jane Leopold, MD

Program Type: Institute - AI and ML Institution: Brigham & Women's Hospital City: Boston Project Title: My Research Legacy Data Analysis Award Start Date: 4/1/2019 Award End Date: 3/31/2020 Total Years: 1 Total Award Amount: \$100,000

MASSACHUSETTS

Guoping Li, PhD

Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: The role and regulation of tRNA-derived fragments in myocardial ischemia/reperfusion injury Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Peter Libby, MD

Program Type: Collaborative Sciences Award Institution: Brigham & Women's Hospital City: Boston Project Title: Development of non-invasive diagnostic tools and therapeutic agents for superficial erosion using nanotechnology Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$309,999



**American
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MASSACHUSETTS

Sanghee Lim, BA

Program Type: Predoctoral Fellowship Institution: Boston University Medical Campus
City: Boston 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

MASSACHUSETTS

Hua Ann Lu, MD PhD, MS

Program Type: Transformational Project Award Institution: Massachusetts General
Hospital City: Boston Project Title: Novel regulatory mechanism that contributes to
hyponatremia Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3
Total Award Amount: \$300,000

MASSACHUSETTS

Steven Lubitz, BS, MD, MPH

Program Type: Strategically Focused Research Network Institution: Massachusetts
General Hospital City: Boston Project Title: Precision Medicine in Ischemic Stroke and
Atrial Fibrillation (PreMISe-AF) Award Start Date: 7/1/2018 Award End Date: 6/30/2022
Total Years: 4 Total Award Amount: \$1,016,576

MASSACHUSETTS

Ivan Luptak, PhD, MD

Program Type: Fellow-to-Faculty Transition Award Institution: Boston Medical Center
City: Boston Project Title: Elevated intracellular sodium worsens mitochondrial ROS and
ATP production in obesity induced diastolic dysfunction. Award Start Date: 7/1/2015
Award End Date: 6/30/2020 Total Years: 5 Total Award Amount: \$593,000

MASSACHUSETTS

Tara Macdonald, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Joslin Diabetes Center City: Boston
Project Title: Hyperglycemia-induced tissue glycation as a novel therapeutic target to
treat low cardiorespiratory fitness and prevent Award Start Date: 1/1/2019 Award End
Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Timothy Mader, MD

Program Type: Innovative Project Award Institution: Baystate Medical Center City:
Springfield Project Title: Novel ventricular fibrillation resuscitation drug cocktail
development: Proof of concept Award Start Date: 7/1/2018 Award End Date: 6/30/2020
Total Years: 2 Total Award Amount: \$199,998



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MASSACHUSETTS

Rajeev Malhotra, BA, MS, MD

Program Type: Transformational Project Award Institution: Massachusetts General Hospital City: Boston Project Title: A Novel Regulatory Pathway in Vascular Smooth Muscle Phenotypic Transition and Calcification Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Ivy Mason, PhD

Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City: Boston Project Title: Role of Dietary Habits in Weight Loss Efficacy after Bariatric Surgery Award Start Date: 1/1/2019 Award End Date: 3/31/2021 Total Years: 2 Total Award Amount: \$110,456

MASSACHUSETTS

Martina Mcgrath, MB ChB

Program Type: Fellow-to-Faculty Transition Award Institution: Brigham & Women's Hospital City: Boston Project Title: Controlling alloimmune activation with combinatorial costimulation blockade Award Start Date: 7/1/2014 Award End Date: 12/30/2019 Total Years: 5 Total Award Amount: \$592,997

MASSACHUSETTS

Michael Mckenna, BSC, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard Medical School City: Boston Project Title: Mechanistic insights into mitochondrial tail-anchored protein insertion Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Christos Michas, BSEE

Program Type: Predoctoral Fellowship Institution: Boston University, Boston City: Boston 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

MASSACHUSETTS

Reza Nezafat, PhD

Program Type: Established Investigator Award Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Quantitative Cardiac MR Biomarkers of Cardiotoxicity in Breast Cancer Award Start Date: 1/1/2015 Award End Date: 12/31/2019 Total Years: 5 Total Award Amount: \$400,000



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MASSACHUSETTS

Sagar Nigwekar, MD, MSc

Program Type: Fellow-to-Faculty Transition Award Institution: Massachusetts General Hospital City: Boston Project Title: Evaluating the Role of Vitamin K in Calcific Uremic Arteriopathy Award Start Date: 7/1/2015 Award End Date: 6/30/2020 Total Years: 5 Total Award Amount: \$593,000

MASSACHUSETTS

David Page, MD

Program Type: Transformational Project Award Institution: Whitehead Institute for Biomedical Research, Cambridge City: Cambridge Project Title: Understanding the Mechanisms of Male Bias in Cardiac Diseases ' A Lesson from the Healthy Heart Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Sang Park, PhD

Program Type: Innovative Project Award Institution: Boston Children's Hospital City: Boston Project Title: Mechanisms underlying obesity-induced cardiovascular disease Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Farhad Pashakhanloo, PhD, BS

Program Type: Postdoctoral Fellowship Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: High-resolution imaging and modeling approaches to study infarct-related arrhythmias Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Krishna Penumatsa, PhD, MS, BS

Program Type: Career Development Award Institution: Tufts Medical Center City: Boston Project Title: Role of Transglutaminase 2 in Inflammation and Glycolysis Mediated Pulmonary Hypertension Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MASSACHUSETTS

Luke Perreault, BS, ME

Program Type: Predoctoral Fellowship Institution: Tufts University, Medford City: Medford 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



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MASSACHUSETTS

Ashlee Plummer, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard Medical School City: Boston

Project Title: Elucidation of the Mechanism for Cholesterol Transport by ABCA1 Award

Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:

\$103,328

MASSACHUSETTS

Guanming Qi, MD, PhD

Program Type: Postdoctoral Fellowship Institution: Tufts Medical Center City: Boston

Project Title: The Role of Macrophage Mineralocorticoid Receptor on Pulmonary

Hypertension Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2

Total Award Amount: \$125,120

MASSACHUSETTS

Alice Racca, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Massachusetts, Lowell

City: Lowell Project Title: Innovative in vitro integrated approach to measuring

confound factors of inherited heart disease diagnosis Award Start Date: 1/1/2019 Award

End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$106,532

MASSACHUSETTS

Christopher Riley, BS, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Dana-Farber Cancer Institute,

Boston City: Boston Project Title: Physiological and biochemical characterization of Slit2

as mediator of adipose tissue derived thermogenesis Award Start Date: 1/1/2019 Award

End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$103,328

MASSACHUSETTS

Jason Roh, BA, MD, MHSc

Program Type: Fellow-to-Faculty Transition Award Institution: Massachusetts General

Hospital City: Boston Project Title: Defining the role of Activin-A and Activin type II

receptor signaling in heart failure Award Start Date: 7/1/2016 Award End Date:

6/30/2021 Total Years: 5 Total Award Amount: \$593,000

MASSACHUSETTS

Matthew Rosen, BS, PhD

Program Type: Collaborative Sciences Award Institution: Massachusetts General

Hospital City: Boston Project Title: Portable Magnetic Resonance Imaging for Cerebral

Ischemia Award Start Date: 7/1/2017 Award End Date: 6/30/2020 Total Years: 3 Total

Award Amount: \$158,913



**American
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MASSACHUSETTS

Anthony Rosenzweig, MD

Program Type: Strategically Focused Research Network Institution: Massachusetts General Hospital City: Boston Project Title: Extracellular RNA Markers And Modulators of Heart Failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$580,800

MASSACHUSETTS

Anthony Rosenzweig, MD

Program Type: Strategically Focused Research Network Institution: Massachusetts General Hospital City: Boston Project Title: Functional roles of circulating ncRNAs in pathological hypertrophy and heart failure Award Start Date: 7/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: \$1,042,800

MASSACHUSETTS

Anna Roto, BS, BS, MS, MPH

Program Type: Predoctoral Fellowship Institution: Boston University, Boston City: Boston 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

MASSACHUSETTS

Jeffrey Saffitz, PhD, MD

Program Type: Transformational Project Award Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Arrhythmogenic Cardiomyopathy is an Inflammatory Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Ane Miren Salvador, PharmD, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: Development of conditional-siRNA programmable riboswitch for targeting adverse cardiac remodeling Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Rahul Kumar Sevakula, PhD

Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: Application of Deep Learning on InPatient Telemetry Data for Prediction of Cardiac Arrhythmias Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$104,060



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MASSACHUSETTS

Richard Sherwood, PhD

Program Type: Transformational Project Award Institution: Brigham & Women's Hospital
City: Boston Project Title: Toward gain-of-function CRISPR/Cas9 gene therapy for LDLR
frameshift mutations Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Su Ryon Shin, PhD, MS, BS

Program Type: Innovative Project Award Institution: Brigham & Women's Hospital City:
Boston Project Title: In situ bioprinting of personalized iPSC-laden oxygen generating
implants for myocardial infarction treatment Award Start Date: 7/1/2019 Award End
Date: 6/30/2021 Total Years: 2 Total Award Amount: \$200,000

MASSACHUSETTS

Jiunn Song, BA

Program Type: Predoctoral Fellowship Institution: Harvard Medical School City: Boston
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

MASSACHUSETTS

Kai Song, BS, PhD

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

MASSACHUSETTS

Jonathan Soucy, BS

Program Type: Predoctoral Fellowship Institution: Northeastern University, Boston City:
Boston 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

MASSACHUSETTS

Xuewu Sui, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard School of Public Health City:
Boston Project Title: Unraveling the structural and biochemical mechanisms for lipid
droplet biogenesis Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2
Total Award Amount: \$104,060



**American
Heart
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MASSACHUSETTS

Yizhi Sun, BS, PhD

Program Type: Postdoctoral Fellowship Institution: Dana-Farber Cancer Institute,
Boston City: Boston Project Title: Functional and mechanistic studies of a mitochondrial
phosphocreatine phosphatase in beige adipocytes Award Start Date: 1/1/2019 Award
End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

MASSACHUSETTS

Filip Swirski, PhD

Program Type: Established Investigator Award Institution: Massachusetts General
Hospital City: Boston Project Title: Colony-stimulating Factors in Cardiovascular
Disease Award Start Date: 1/1/2017 Award End Date: 12/31/2021 Total Years: 5 Total
Award Amount: \$400,000

MASSACHUSETTS

Rongya Tao, PhD

Program Type: Transformational Project Award Institution: Boston Children's Hospital
City: Boston Project Title: Target Follistatin to alleviate obesity and
hypercholesterolemia Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total
Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Ludovic Trinquart, PhD

Program Type: Strategically Focused Research Network Institution: Boston University
Medical Campus City: Boston Project Title: Clinical and genetic prediction of lifetime
risk of atrial fibrillation and its complications Award Start Date: 7/1/2018 Award End
Date: 6/30/2022 Total Years: 4 Total Award Amount: \$798,485

MASSACHUSETTS

Eva Tsaousidou, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard School of Public Health City:
Boston Project Title: Metaflammation regulation by components of the small non-
coding RNA processing machinery Award Start Date: 7/1/2018 Award End Date:
6/30/2020 Total Years: 2 Total Award Amount: \$110,456

MASSACHUSETTS

Freny Varghese, BSC, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: University of Massachusetts Medical
School City: Worcester Project Title: Combination CaMKII α and Cx43 gene painting
therapy: A Synergistic approach to treat AF and AF induced cardiac remodeling Award
Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount:
\$106,532



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MASSACHUSETTS

Amanda Vest, BSC, MBBS, MPH

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

MASSACHUSETTS

Mary Wallingford, BS, MA, PhD

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

MASSACHUSETTS

Conor Walsh, BS, MS, PhD

Program Type: Collaborative Sciences Award Institution: Harvard University, Cambridge City: Cambridge Project Title: Intracortical control of soft robotics for restoration of hand function after stroke Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$374,292

MASSACHUSETTS

Yi Wang, MB, MSc, PhD

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: Functional role of LincRNA-p21 in cardiac hypertrophy and heart failure Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years: 2 Total Award Amount: \$110,456

MASSACHUSETTS

Jason Wasfy, MD, MS, MSc, BS

Program Type: Career Development Award Institution: Massachusetts General Hospital City: Boston Project Title: Effects of Medicaid Expansion on Process and Outcome Measures for Patients with Heart Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$231,000

MASSACHUSETTS

Jui-Hsia Weng, BS, MS, PhD

Program Type: Postdoctoral Fellowship Institution: Harvard Medical School City: Boston Project Title: Novel Anti-Inflammatory Hepatokine for Cardiovascular Medicine Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$114,368



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MASSACHUSETTS

Marsha Wibowo, BS

Program Type: Predoctoral Fellowship Institution: Joslin Diabetes Center City: Boston
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

MASSACHUSETTS

Jason Williams, BA, PhD

Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City:
Boston Project Title: Mechanisms of Accelerated Atherogenesis due to Clonal
Hematopoiesis Award Start Date: 1/1/2019 Award End Date: 6/30/2021 Total Years: 2
Total Award Amount: \$106,532

MASSACHUSETTS

Hao Wu, PhD

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

MASSACHUSETTS

Huimin Yan, BS, MS, PhD

Program Type: AHA Institutional Research Enhancement Award (AIREA) Institution:
University of Massachusetts Boston City: Boston Project Title: Effect of Exercise Training
on Microvascular Function and Sympathetic Reactivity in African American and
Caucasian Woman Award Start Date: 1/1/2019 Award End Date: 12/31/2020 Total Years:
2 Total Award Amount: \$154,000

MASSACHUSETTS

Huan Yang, PhD

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

MASSACHUSETTS

Batuhan Yenilmez, BSc, MSc

Program Type: Predoctoral Fellowship Institution: University of Massachusetts Medical
School City: Worcester 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



MASSACHUSETTS

Mikyung Yu, PhD

Program Type: Collaborative Sciences Award Institution: Brigham & Women's Hospital
City: Boston Project Title: Development of non-invasive diagnostic tools and therapeutic agents for superficial erosion using nanotechnology Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: \$220,002

MASSACHUSETTS

Lai-Ming Yung, PhD

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

MASSACHUSETTS

Tracyyuanfan Zhang, PhD, MSE

Program Type: Postdoctoral Fellowship Institution: Boston Children's Hospital City: Boston Project Title: Jagged1 as therapeutic target for cardiomyopathy in Duchenne muscular dystrophy Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Xian Zhang, PhD

Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City: Boston Project Title: Role of subcutaneous fat mast cells in adipose tissue thermogenesis and systemic energy expenditure Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: \$104,060

MASSACHUSETTS

Yu Zhang, PhD, MS, BS

Program Type: Transformational Project Award Institution: Brigham & Women's Hospital City: Boston Project Title: A Bioinspired Pro-Healing Medical Adhesive towards Myocardial Infarction Treatment Award Start Date: 7/1/2019 Award End Date: 6/30/2022 Total Years: 3 Total Award Amount: \$300,000

MASSACHUSETTS

Qiuyu Zhu, BS, BA, MD, PhD

Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: Dissecting the Role of a Novel Genetic Risk Factor ARHGEF26 in Coronary Artery Disease Award Start Date: 1/1/2019 Award End Date: 12/31/2019 Total Years: 1 Total Award Amount: \$56,140