American Heart Association
Awardees in Alpha Order by State

Last Update: August 2018

GEORGIA • HAWAIÎ • IDAHO • ILLINOIS • INDIANA • IOWA • KANSAS • KENTUCKY • LOUISIANA • MAINE • MARYLAND • MASSACHUSETTS

GEORGIA
Abdelsaid, Mohammed BA, MS
Program Type: Scientist Development Grant Institution: Mercer University School of Medicine City: Savannah Project Title: Role of pericytes in diabetes-induced pathological cerebral neovascularization. Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

GEORGIA
Al Badri, Ahmed MD
Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City: Atlanta Project Title: Peripheral Vascular Function and Structure in Coronary Microvascular Dysfunction Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $118,628

GEORGIA
Alonso, Alvaro MD, MPH
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
Aonuma, Tatsuya MD, PhD
Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta 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

GEORGIA
Ash, Dipankar PhD
Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta Project Title: Cu transporter ATP7A promotes angiogenesis by limiting autophagic degradation of VEGFR2 Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $104,060
GEORGIA

Atawia, Reem BS, MS
Program Type: Predoctoral Fellowship  Institution: Augusta University  City: Augusta  Project Title: Role of arginase in obesity-induced vascular endothelial and adipocyte dysfunction  Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $53,688

GEORGIA

Bae, Seongho 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

Bagi, Zsolt PhD, MD
Program Type: Grant-in-Aid  Institution: Augusta University  City: Augusta  Project Title: Adenosine kinase regulation of conducted vasodilation  Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $154,000

GEORGIA

Baltrus, Peter
Program Type: Strategically Focused Research Network  Institution: Morehouse School of Medicine  City: Atlanta  Project Title: Population Project: Social and Environmental Factors contributing to Cardiovascular Risk and Resilience among Blacks  Award Start Date: 7/1/2015  Award End Date: 6/30/2019  Total Years: 4  Total Award Amount: $681,367

GEORGIA

Barany, Deborah BA, MA
Program Type: Postdoctoral Fellowship  Institution: University of Georgia  City: Augusta  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

Butcher, Joshua PhD, MS
Program Type: Postdoctoral Fellowship  Institution: Augusta University  City: Augusta  Project Title: Augmented Muscle Mass Prevents Obesity-Derived Hypertension  Award Start Date: 1/1/2017  Award End Date: 12/31/2018  Total Years: 2  Total Award Amount: $106,350

GEORGIA

Cui, Xiaobing 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

Czikora, Istvan 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

Davila, Alec BS  
Program Type: Predoctoral Fellowship  
Institution: Augusta University  
City: Augusta  
Project Title: Impaired conducted vasodilation in HFpEF  
Award Start Date: 7/1/2018  
Award End Date: 6/30/2020  
Total Years: 3  
Total Award Amount: $53,688

GEORGIA

Dedhia, Raj 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

Dhandapani, Krishnan BS, MS  
Program Type: Grant-in-Aid  
Institution: Augusta University  
City: Augusta  
Project Title: Astrocyte mediated hematoma resolution after ICH  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

GEORGIA

Easley, Thomas BS, MS  
Program Type: Predoctoral Fellowship  
Institution: Georgia Tech Research Corporation  
City: Atlanta  
Project Title: Quantification of Mitral Valve-In-Ring Performance and Safety  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $53,688

GEORGIA

Espinosa-Garcia, Claudia BSC, MSc  
Program Type: Postdoctoral Fellowship  
Institution: Emory University, Atlanta  
City: Atlanta  
Project Title: Microglial polarization and BDNF signaling: New targets for progesterone against global cerebral ischemia  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $106,532
GEORGIA  
Fernandez Esmerats, Joan BS, MS  
**Program Type:** Predoctoral Fellowship  
**Institution:** Georgia Tech Research Corporation  
**City:** Atlanta  
**Project Title:** Role of miR-1237-3p in aortic valve disease  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $53,688  

GEORGIA  
Florentin, Anat BSC, MSc  
**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  
Fouda, Abdelrahman 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  
Garber, Michael MPH, BA  
**Program Type:** Predoctoral Fellowship  
**Institution:** Emory University, Atlanta  
**City:** Atlanta  
**Project Title:** Evaluating the effect of bike infrastructure on population-level cycling in Atlanta using smartphone-generated data  
**Award Start Date:** 7/1/2018  
**Award End Date:** 6/30/2020  
**Total Years:** 2  
**Total Award Amount:** $53,688  

GEORGIA  
Gillis, Ellen 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  
Han, Pengcheng PhD  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Emory University, Atlanta  
**City:** Atlanta  
**Project Title:** Deriving left ventricular cardiomyocytes from human induced pluripotent stem cells  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $110,456  

GEORGIA  
Hernandes, Marina PhD  
**Program Type:** Scientist Development Grant  
**Institution:** Emory University, Atlanta  
**City:** Atlanta  
**Project Title:**
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

Ibrahim, Ahmed 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

Kim, Il-Man 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

Kim, Yongtae PhD
Program Type: Scientist Development Grant Institution: Georgia Tech Research Corporation City: Atlanta Project Title: Engineering of anti-miRNA Transporting HDL for Treating Endothelial Inflammation in Experimental Atherosclerosis Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $308,000

GEORGIA

Kovacs, Laszlo 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

Kovacs-Kasa, Anita PhD, MSc
Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta Project Title: HDAC7 in MLCP-mediated endothelial barrier preservation Award Start Date: 6/30/2020 Total Years: 2 Total Award Amount: $110,456

GEORGIA

Kwong, Jennifer 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
GEORGIA  
*Levit, Rebecca 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  
*Li, Jie PhD*

**Program Type:** Scientist Development Grant  
**Institution:** Augusta University  
**City:** Augusta  
**Project Title:** Role of Ufm1 conjugation in the heart  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $231,000

GEORGIA  
*Lin, Huiping 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  
*Liu, Ting 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

GEORGIA  
*Liu, Xu BS, MS*

**Program Type:** Postdoctoral Fellowship  
**Institution:** Emory University, Atlanta  
**City:** Atlanta  
**Project Title:** Structure-function of tafazzin in cardiac muscle wasting  
**Award Start Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $106,532

GEORGIA  
*Mamenko, Mykola PhD*

**Program Type:** Scientist Development Grant  
**Institution:** Augusta University  
**City:** Augusta  
**Project Title:** The role of capacitative calcium entry in AVP-dependent water transport by the kidney  
**Award Start Date:** 7/1/2015  
**Award End Date:** 6/30/2019  
**Total Years:** 4  
**Total Award Amount:** $308,000
GEORGIA
Naqvi, Nawazish PhD, MSc
Program Type: Grant-in-Aid
Institution: Emory University, Atlanta
City: Atlanta
Project Title: Identifying mechanism of T3 mediated proliferation in mitotically quiescent cardiomyocytes
Award Start Date: 7/1/2017
Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $154,000

GEORGIA
Nowak, Scott 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
Oneill, W Charles 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
Onohara, Daisuke MD PhD
Program Type: Postdoctoral Fellowship
Institution: Emory University, Atlanta
City: Atlanta
Project Title: Strategy to Suppress Left Ventricular Remodeling in Secondary Ischemic Mitral Regurgitation
Award Start Date: 7/1/2017
Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $118,628

GEORGIA
Osman, Islam 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
Palmer, Jacqueline PT, BS
Program Type: Postdoctoral Fellowship
Institution: Emory University, Atlanta
City: Atlanta
Project Title: Cortical connectivity during functional balance reactions in stroke survivors
Award Start Date: 7/1/2018
Award End Date: 6/30/2020
Total Years: 2
Total Award Amount: $106,532

GEORGIA
Platt, Manu PhD, BS
**Program Type:** Grant-in-Aid  
**Institution:** Georgia Tech Research Corporation  
**City:** Atlanta  
**Project Title:** Mechanisms for and prevention of large artery damage due to sickle cell disease  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

GEORGIA

Qiu, Hong PhD

**Program Type:** Scientist Development Grant  
**Institution:** University of Georgia, Athens  
**City:** Athens  
**Project Title:** Dissect Role of Heparan Sulfate from NG2+ Cells in Hematopoietic Stem Cell Function  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2020  
**Total Years:** 3  
**Total Award Amount:** $231,000

GEORGIA

Quyyumi, Arshed MBBS, MD

**Program Type:** Strategically Focused Research Network  
**Institution:** Emory University, Atlanta  
**City:** Atlanta  
**Project Title:** Impact of technology-based Intervention for improving self-management behaviors in Black adults  
**Award Start Date:** 7/1/2015  
**Award End Date:** 6/30/2019  
**Total Years:** 4  
**Total Award Amount:** $1,267,222

GEORGIA

Ramadhin, Jessica BA

**Program Type:** Predoctoral Fellowship  
**Institution:** University of Georgia Research Foundation, Inc.  
**City:** Athens  
**Project Title:** Natural Human Milk Sugar, LNFPiII, as a Therapeutic for Obesity & Metabolic Syndrome  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $51,900

GEORGIA

Rezvan, Amir MD, MS

**Program Type:** Innovative Research Grant  
**Institution:** Emory University, Atlanta  
**City:** Atlanta  
**Project Title:** The role of liver fibrosis in atherosclerosis  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $150,000

GEORGIA

Rodriguez Miguelez, Paula PhD, MS

**Program Type:** Career Development Award  
**Institution:** Augusta University  
**City:** Augusta  
**Project Title:** Improving Cardiovascular Health in Patients with Chronic Obstructive Pulmonary Disease: a Mechanistic Approach  
**Award Start Date:** 7/1/2018  
**Award End Date:** 8/31/2020  
**Total Years:** 3  
**Total Award Amount:** $231,000

GEORGIA

Romero, Maritza MD, DSc

**Program Type:** Grant-in-Aid  
**Institution:** Augusta University  
**City:** Augusta  
**Project Title:** Role of Growth
Hormone Releasing Hormone (GHRH) receptor in diabetes-associated dyslipidemia Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $154,000

GEORGIA
Rudic, Dan PhD
Program Type: Grant-in-Aid Institution: Augusta University City: Augusta Project Title: Vascular clock mechanisms in remodeling and atherosclerosis Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

GEORGIA
Sayed Razavi Rizi, Mohammad MS, BS
Program Type: Predoctoral Fellowship Institution: Georgia Tech Research Corporation City: Atlanta Project Title: Quantifying the role of mechanical-overloads in maladaptive growth and remodeling of collecting lymphatic vessels. Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $53,688

GEORGIA
Searles, Charles MD, BA
Program Type: Strategically Focused Research Network Institution: Emory University, Atlanta City: Atlanta Project Title: MicroRNA and metabolic profiles associated with social and environmental risk factors in blacks Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $1,141,382

GEORGIA
Sielicka, Alicja PhD
Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City: Atlanta Project Title: Surgical repair induced leaflet fibrosis and its inhibition in mitral valve repair Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $114,368

GEORGIA
Singla, Bhupesh BSC, MSc
Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta Project Title: Matrix regulation of lymphangiogenesis in atherosclerosis Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $104,060

GEORGIA
Sullivan, Jennifer 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

Sun, Wei 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

Sun, Yu-Yo PhD
Program Type: Scientist Development Grant  Institution: Emory University, Atlanta  City: Atlanta  Project Title: Acute Therapy and Primary Stroke Prevention in Humanized Sickle Mice  Award Start Date: 7/1/2017  Award End Date: 6/30/2020  Total Years: 3  Total Award Amount: $231,000

GEORGIA

Takemiya, Kiyoko 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

GEORGIA

Tawfik, Amany MD, MSc
Program Type: Scientist Development Grant  Institution: Augusta University  City: Augusta  Project Title: Retinal Endothelial Cell Barrier Dysfunction in Hyperhomocysteinemia; Potential Role in Diabetic Retinopathy  Award Start Date: 7/1/2016  Award End Date: 6/30/2019  Total Years: 3  Total Award Amount: $231,000

GEORGIA

Taylor, Herman MD, MPH
Program Type: Strategically Focused Research Network  Institution: Morehouse School of Medicine  City: Atlanta  Project Title: Biological and socio-cultural determinants and management of Cardiovascular Health Factors in Multi-ethnic Populations  Award Start Date: 7/1/2015  Award End Date: 6/30/2019  Total Years: 4  Total Award Amount: $619,229

GEORGIA

Trac, David BS, BA
Program Type: Predoctoral Fellowship  Institution: Emory University, Atlanta  City: Atlanta  Project Title: Improving the therapeutic functionality of child cardiac progenitor cells by spheriacl aggregation  Award Start Date: 1/1/2017  Award End Date: 12/31/2018  Total Years: 2  Total Award Amount: $51,900
GEORGIA

Trusty, Phillip BS, MS
Program Type: Predoctoral Fellowship Institution: Georgia Tech Research Corporation City: Atlanta
Project Title: Improved Management of Fontan Associated Liver Disease: A hemodynamic approach
Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $53,688

GEORGIA

Tucker, Matthew BS, MA
Program Type: Postdoctoral Fellowship Institution: Augusta University City: Augusta
Project Title: Improving Vascular Health in Cystic Fibrosis: A Mechanistic Approach
Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $110,456

GEORGIA

Wang, Jinhui BS, PhD
Program Type: Scientist Development Grant Institution: Emory University, Atlanta City: Atlanta
Project Title: Dissecting the directional regeneration of ventricular epicardium
Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $308,000

GEORGIA

Wang, Mong-Heng PhD
Program Type: Grant-in-Aid Institution: Augusta University City: Augusta
Project Title: Interaction of sEH and angiotensin II in retinopathy
Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

GEORGIA

Wang, Pengfei BS, MS
Program Type: Postdoctoral Fellowship Institution: Emory University, Atlanta City: Atlanta
Project Title: Targeted Delivery of anti-miR-712 to Inhibit Atherosclerosis using DNA Nanoparticles
Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $110,456

GEORGIA

Wang, Xiaonan MD
Program Type: Institute - Bayer Discovery Grant Institution: Emory University, Atlanta City: Atlanta
Project Title: Treatment of muscle atrophy yields benefits for the heart through exosome carried microRNA
Award Start Date: 7/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $150,000

GEORGIA

Wang, Yanhua PhD, MS
Program Type: Career Development Award Institution: Emory University, Atlanta City: Atlanta
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
Wei, Zheng 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
Williams, Clintoria PhD, BS
Program Type: Scientist Development Grant
Institution: Emory University, Atlanta
City: Atlanta
Project Title: Selective regulation of distal nephron sodium handling by calcineurin isoforms
Award Start Date: 1/1/2016 Award End Date: 6/30/2020 Total Years: 4 Total Award Amount: $308,000

GEORGIA
Xue, Bingzhong PhD
Program Type: Grant-in-Aid
Institution: Georgia State University
City: Atlanta
Project Title: Neurotrophin 3 regulates brown/beige adipocyte thermogenesis via sympathetic innervation of adipose tissue.
Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

GEORGIA
Yao, Yao BS, MS
Program Type: Scientist Development Grant
Institution: University of Georgia, Athens
City: Athens
Project Title: Pericytic laminin regulates pericycle differentiation and blood vessel integrity in the brain
Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

GEORGIA
Yin, Hang PhD
Program Type: Grant-in-Aid
Institution: University of Georgia, Athens
City: Athens
Project Title: Functions of Lin28a in brown adipose lineage determination and thermogenic activation
Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

GEORGIA
Yu, Liqing PhD, MD
Program Type: Grant-in-Aid
Institution: Georgia State University
City: Atlanta
Project Title: Macrophage Triglyceride Hydrolysis and Atherosclerosis
Award Start Date: 7/1/2017 Award End Date: 6/30/2019
Total Years: 2 Total Award Amount: $154,000
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<thead>
<tr>
<th>GEORGIA</th>
<th>Yue, Jingwen BS, MS</th>
<th>Predoctoral Fellowship</th>
<th>University of Georgia, Athens</th>
<th>Athens</th>
<th>The role of heparan sulfate in fibrinolysis</th>
<th>7/1/2017</th>
<th>6/30/2019</th>
<th>2</th>
<th>$53,688</th>
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<td>Zhang, Quanguang PhD</td>
<td>Innovative Project Award</td>
<td>Augusta University</td>
<td>Augusta</td>
<td>Combination Treatment with Pulsed Electromagnetic Field and Hypothermia in Global Cerebral Ischemia</td>
<td>7/1/2018</td>
<td>6/30/2020</td>
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<td>GEORGIA</td>
<td>Zhou, An PhD</td>
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<td>Atlanta</td>
<td>TrxG proteins as novel epigenetic regulators of neuronal excitability and their roles in ischemic stroke</td>
<td>7/1/2017</td>
<td>6/30/2019</td>
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<td>Neddylation in Adipose Tissue Development and Obesity</td>
<td>7/1/2018</td>
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<td>$231,000</td>
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<td>GEORGIA</td>
<td>Zhou, Jiliang PhD, MD</td>
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<td>Augusta</td>
<td>Novel role of the lncRNA NEAT1 in smooth muscle phenotypic modulation</td>
<td>1/1/2017</td>
<td>12/31/2021</td>
<td>5</td>
<td>$400,000</td>
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<tr>
<td>GEORGIA</td>
<td>Zou, Jianqiu PhD</td>
<td>Postdoctoral Fellowship</td>
<td>Augusta University</td>
<td>Augusta</td>
<td>A novel posttranslational mechanism underlying cardiac metabolic maturation</td>
<td>7/1/2017</td>
<td>6/30/2019</td>
<td>2</td>
<td>$104,060</td>
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<tr>
<td>HAWAII</td>
<td>Anderson, Cynthia BS, MA</td>
<td>Postdoctoral Fellowship</td>
<td>University of Hawaii</td>
<td>Honolulu</td>
<td></td>
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</table>
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  
**Bratincsak, Andras 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

HAWAII  
**Schunke, Kathryn PhD**  
**Program Type**: Career Development Award  
**Institution**: University of Hawaii  
**City**: Honolulu  
**Project Title**: HIF-1 Activity can be Inhibited in the Heart by Protein Kinase C Binding Protein 1  
**Award Start Date**: 7/1/2018  
**Award End Date**: 6/30/2021  
**Total Years**: 3  
**Total Award Amount**: $231,000

HAWAII  
**Tallquist, Michelle PhD**  
**Program Type**: Grant-in-Aid  
**Institution**: University of Hawaii  
**City**: Honolulu  
**Project Title**: Role of Tcf21 in cardiac fibroblasts  
**Award Start Date**: 7/1/2017  
**Award End Date**: 6/30/2019  
**Total Years**: 2  
**Total Award Amount**: $154,000

IDAHO  
**Beard, Richard 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  
**Abdel Majeed, Yazan BSC**  
**Program Type**: Predoctoral Fellowship  
**Institution**: University of Illinois at Chicago  
**City**: Chicago  
**Project Title**: Effect of altering movement metrics identified by predictive models on stroke recovery outcomes  
**Award Start Date**: 7/1/2018  
**Award End Date**: 6/30/2019  
**Total Years**: 1  
**Total Award Amount**: $26,844

ILLINOIS  
**Allen, Norrina BS, MPH**  
**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

Allen, Norrina BS, MPH  
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 Cardiovascular  
Award Start Date: 7/1/2018  
Award End Date: 6/30/2020  
Total Years: 2  
Total Award Amount: $365,466

ILLINOIS

Ameer, Guillermo ScD  
Program Type: Grant-in-Aid  
Institution: Northwestern University, Evanston  
City: Evanston  
Project Title: Developing imaging-compatible 3D-printed bioresorbable scaffolds  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $153,626

ILLINOIS

Ardehali, Hossein PhD, MD  
Program Type: Grant-in-Aid  
Institution: Northwestern University, Chicago  
City: Chicago  
Project Title: Role of tristetraprolin in cardiac fatty acid metabolism and the development of heart failure  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

ILLINOIS

Arora, Rishi MD, MD  
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

Burridge, Paul 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

Byun, Sangwon PhD, MS  
Program Type: Postdoctoral Fellowship  
Institution: University of Illinois, Champaign-Urbana  
City: Urbana  
Project Title: Control of bile acid/cholesterol levels by Src phosphorylation of FXR  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $106,350
ILLINOIS
Carnethon, Mercedes PhD, MPH
Program Type: Strategically Focused Research Network Institution: Northwestern University, Chicago
City: Chicago Project Title: Contribution of Fibroblast Growth Factor 23 (FGF23) to Racial Disparities in Left Ventricular Mass and Albumin/Creatinin Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $763,704

ILLINOIS
Chen, Tianji 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
Collins, Kerrie BS
Program Type: Predoctoral Fellowship Institution: University of Illinois at Chicago City: Chicago
Project Title: Septins regulate Src mediated podosome formation and matrix degradation. Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $51,900

ILLINOIS
Das, Aditi PhD
Program Type: Scientist Development Grant Institution: University of Illinois, Champaign-Urbana City: Urbana
Project Title: Biochemical mechanism of CYP2J2 epoxygenase Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $308,000

ILLINOIS
De, Taniya 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
de Almeida, Lucia PhD, MS
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
Deberge, Matthew 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

- **Feinstein, Matthew 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

- **Gajwani, Priyanka 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

- **Ghosh, Asish 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

- **Glinton, Kristofor 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

- **Grayczyk, James BS**  
  **Program Type:** Predoctoral Fellowship  
  **Institution:** Loyola University Chicago  
  **City:** Chicago  
  **Project Title:** Staphylococcus aureus suppression of immune responses via metabolic cofactors  
  **Award Start Date:** 7/1/2017  
  **Award End Date:** 6/30/2019  
  **Total Years:** 2  
  **Total Award Amount:** $53,688

- **Greenland, Philip 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**

*Greenland, Philip 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**

*Harijith, Anantha 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**

*Hill, Anita Nayo 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**

*Hou, Lifang MD, MSc*

**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**

*Imoukhuede, Princess PhD, BS*

**Program Type:** Scientist Development Grant  
**Institution:** University of Illinois, Champaign-Urbana  
**City:** Urbana  
**Project Title:** Predicting new targets for inducing sprouting angiogenesis via systems biology  
**Award Start Date:** 1/1/2016  
**Award End Date:** 12/31/2019  
**Total Years:** 4  
**Total Award Amount:** $308,000

**ILLINOIS**

*Joslin, Amelia 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**

*Kang, Hojin PhD, MS*

**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**

*Kim, Young-Chae PhD, MS*

**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**

*Klingensmith, Jon BSEE, MS*

**Program Type:** AHA Institutional Research Enhancement Award (AIREA)  
**Institution:** Southern Illinois University, Edwardsville  
**City:** Edwardsville  
**Project Title:** Volumetric assessment of epicardial adipose tissue using echocardiography  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**ILLINOIS**

*Krishack, Paulette BS, MS*

**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

**ILLINOIS**

*Lei, Yuk Man BA*

**Program Type:** Predoctoral Fellowship  
**Institution:** University of Chicago  
**City:** Chicago  
**Project Title:** The Role of Microbiota in Allograft Rejection  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $51,900

**ILLINOIS**

*Li, Jing 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
*Liu, Xiaolei PhD, MS*
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
*Liu, Yuru PhD*
Program Type: Grant-in-Aid
Institution: University of Illinois at Chicago
City: Chicago
Project Title: Sphingosine-1-phosphate as an angiocrine mediator in alveolar repair following lung injury
Award Start Date: 7/1/2017
Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $154,000

ILLINOIS
*Mace, Camille 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
*Marino, Bradley MD, BA*
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

ILLINOIS
*Marsboom, Glenn PhD, MS*
Program Type: Scientist Development Grant
Institution: University of Illinois at Chicago
City: Chicago
Project Title: Functional Characterization of a New Caveolin-1 Mutation Associated with Heritable Human Pulmonary Arterial Hypertension
Award Start Date: 1/1/2015
Award End Date: 12/31/2018
Total Years: 4
Total Award Amount: $308,000

ILLINOIS
*McDermott, Mary 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
McDermott, Mary 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

Moskowitz, Ivan 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

Oliveira, Suellen Darc 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

Ostadhossein, Fatemeh BSC, MSc
Program Type: Predoctoral Fellowship  
Institution: University of Illinois, Champaign-Urbana  
City: Urbana  
Project Title: antimicrobial caged hafnium oxide nanoparticles for detection and therapeutic intervention of endocarditis  
Award Start Date: 7/1/2018  
Award End Date: 6/30/2020  
Total Years: 2  
Total Award Amount: $53,688

Paik, Wonbeom MS, BS
Program Type: Predoctoral Fellowship  
Institution: Loyola University Medical Center  
City: Maywood  
Project Title: Protection from lethal Staphylococcus aureus sepsis by probiotic exopolysaccharide  
Award Start Date: 7/1/2018  
Award End Date: 7/30/2019  
Total Years: 1  
Total Award Amount: $26,844

Palekar, Rohun BS, PhD
Program Type: Postdoctoral Fellowship  
Institution: Northwestern University, Chicago  
City: Chicago  
Project Title: Synthetic Lipoprotein Nanoparticles as Biosensors for Rapid Assessment of Lecithin:Cholesterol Acyltransferase Activity  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $104,060
ILLINOIS

Papadaki, Maria BSC, PhD
Program Type: Postdoctoral Fellowship Institution: Loyola University Chicago City: Chicago Project Title: The role of methylglyoxal on the cardiac myofilament Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $104,060

ILLINOIS

Passman, Rod BA, MD
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

Passman, Rod BA, MD
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

Perez-Pinera, Pablo 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

ILLINOIS

Puckelwartz, Megan 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

Radhakrishnan, Ishwar PhD, BS
Program Type: Grant-in-Aid Institution: Northwestern University, Evanston City: Evanston Project Title: Biochemical and Structural Studies of the Sin3L/HDAC Complex Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

ILLINOIS

Rhodes, Katherine BS, BS
Program Type: Predoctoral Fellowship Institution: University of Chicago City: Chicago Project Title:
Mapping Functional Variation in Gene Regulatory Dynamics in Human Cardiomyocytes

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

ILLINOIS

Rowton, Megan 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

Ruppar, Todd BSN, MSN

Program Type: Grant-in-Aid  
Institution: Rush University Medical Center  
City: Chicago  
Project Title: Self-Care Interventions Meta-Analysis for Heart Failure (SCIMA-HF)  
Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $153,210

ILLINOIS

Ruthenburg, Alexander 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

Rydeen, Ariel 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

Rymer, William 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

ILLINOIS

Schnell, Susanne MSc, PhD

Program Type: Scientist Development Grant  
Institution: Northwestern University, Chicago  
City: Chicago  
Project Title: Comprehensive Cardiac and Neurovascular 4D flow MRI for Improved Embolization
Therapy in VGAM patients **Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** $231,000

ILLINOIS  
**Seimetz, Joe 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  
**Shah, Sanjiv 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  
**Sivaramakrishnan, Anjali 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  
**Sladojevic, Nikola MD PhD**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** University of Chicago  
**City:** Chicago  
**Project Title:** Novel strategy to protect blood-brain barrier integrity by modulating RGSS in ischemic stroke.  
**Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** $125,120

ILLINOIS  
**Suresh, Nina PhD**  
**Program Type:** Scientist Development Grant  
**Institution:** Rehabilitation Institute of Chicago  
**City:** Chicago  
**Project Title:** Tracking the evolution of spasticity in acute stroke  
**Award Start Date:** 7/1/2016 **Award End Date:** 6/30/2019 **Total Years:** 3 **Total Award Amount:** $230,999

ILLINOIS  
**Tabit, Corey BS, BA**  
**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
Tang, Wei-Jen PhD
Program Type: Grant-in-Aid Institution: University of Chicago City: Chicago Project Title: Structure and functions of chemokine CCL5-CXCL4 hetero-oligomer Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $154,000

ILLINOIS
Vali, Alireza BSC, MSc
Program Type: Postdoctoral Fellowship Institution: Northwestern University, Chicago City: Chicago Project Title: Comprehensive Assessment of Hemodynamics in Intracranial Atherosclerotic Disease Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $106,532

ILLINOIS
Van Horn, Linda BS, MA
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
Wary, Kishore PhD
Program Type: Grant-in-Aid Institution: University of Illinois at Chicago City: Chicago Project Title: Mechanisms of Ischemic Preconditioning Mediated de novo Neovascularization Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

ILLINOIS
Webster, Robert BA, MD
Program Type: Mentored Clinical & Population Research Program Institution: Ann & Robert H. Lurie Children's Hospital of Chicago City: Chicago Project Title: Population prevalence of cardiac disease in families after sudden unexpected death Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $153,973

ILLINOIS
Wilkins, Kevin BS
Program Type: Predoctoral Fellowship Institution: Northwestern University, Chicago City: Chicago Project Title: Static and dynamic cortical activity underlying the negative impact of lifting on hand opening post-stroke Award Start Date: 7/1/2018 Award End Date: 6/30/2019 Total Years: 1 Total Award Amount: $26,844
ILLINOIS

**Winter, Deborah 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

**Wolf, Myles MD, MD**

**Program Type:** Strategically Focused Research Network  
**Institution:** Northwestern University, Chicago  
**City:** Chicago  
**Project Title:** Phosphate and FGF23: Dietary and Molecular Mediators of Health Disparities in Cardiovascular and Kidney Diseases  
**Award Start Date:** 7/1/2015  
**Award End Date:** 6/30/2019  
**Total Years:** 4  
**Total Award Amount:** $702,705

ILLINOIS

**Wolff, Ian BS**

**Program Type:** Predoctoral Fellowship  
**Institution:** Northwestern University, Evanston  
**City:** Evanston  
**Project Title:** Characterization of Kinesin-12/KLP-18 activity essential for acentrosomal meiotic spindle assembly in C. elegans  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $51,900

ILLINOIS

**Wren, Lisa BS**

**Program Type:** Predoctoral Fellowship  
**Institution:** Northwestern University, Chicago  
**City:** Chicago  
**Project Title:** Understanding Calmodulinopathies in an Animal Model  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $53,688

ILLINOIS

**Yang, Xiaoyan 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

**Yi, Sijia BS, PhD**

**Program Type:** Postdoctoral Fellowship  
**Institution:** Northwestern University, Evanston  
**City:** Evanston  
**Project Title:** Nanostructure-enhanced Targeting of Dendritic Cells to Elicit Treg Responses in the Treatment of Atherosclerosis  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $106,532
Zarkooob, Hoda 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

Zhang, Lianghui 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

Ahmad, Shaad BA, PhD
Program Type: Scientist Development Grant
Institution: Indiana State University, Terre Haute
City: Terre Haute
Project Title: Genetic, Genomic and Computational Analyses of Cardiogenic Roles of Forkhead Transcription Factors
Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3
Total Award Amount: $231,000

Bansal, Ruchi 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

Basile, David PhD
Program Type: Grant-in-Aid
Institution: Indiana University, Indianapolis
City: Indianapolis
Project Title: Role of renal endothelial side population as a source of progenitor activity during growth or response to injury
Award Start Date: 7/1/2017 Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $154,000

Brindise, Melissa 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: 6/30/2019
Total Years: 2
Total Award Amount: $53,688
**INDIANA**

*Chen, Zhenhui 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**

*Cortes Selva, Diana MS, BS*

**Program Type:** Predoctoral Fellowship  
**Institution:** Purdue University, West Lafayette  
**City:** West Lafayette  
**Project Title:** Delineating the role of hepatic macrophages in Schistosoma mansoni induced protection from atherosclerosis  
**Award Start Date:** 7/1/2018  
**Award End Date:** 6/30/2019  
**Total Years:** 1  
**Total Award Amount:** $26,844

**INDIANA**

*Frump, Andrea PhD*

**Program Type:** Postdoctoral Fellowship  
**Institution:** Indiana University, Indianapolis  
**City:** Indianapolis  
**Project Title:** Apelin-mediated regulation of right ventricular angiogenesis in pulmonary hypertension  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $110,456

**INDIANA**

*Gaji, Rajshekhar PhD, DVM*

**Program Type:** Career Development Award  
**Institution:** Indiana University, Indianapolis  
**City:** Indianapolis  
**Project Title:** Mechanistic function of a unique plant like nuclear kinase in molecular pathogenesis of Toxoplasma gondii  
**Award Start Date:** 7/1/2018  
**Award End Date:** 6/30/2021  
**Total Years:** 3  
**Total Award Amount:** $231,000

**INDIANA**

*Gowher, Humaira 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**

*Harber, Matthew 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

Leung, Jacqueline BS, PhD
Program Type: Postdoctoral Fellowship Institution: Indiana University, Bloomington City: Bloomington Project Title: Role of the apical polar ring in Toxoplasma gondii proliferation Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $114,368

INDIANA

Liu, Juli PhD
Program Type: Postdoctoral Fellowship Institution: Indiana University, Indianapolis City: Indianapolis Project Title: A novel human-specific long non-coding RNA, HBL1, regulates cardiomyocyte development from human pluripotent stem cells Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $102,550

INDIANA

Pang, Peter MD, MS
Program Type: Innovative Research Grant Institution: Indiana University, Indianapolis City: Indianapolis Project Title: Lung Ultrasound Driven Strategy-of-Care To Treat Pulmonary Congestion in Patients with AHF Award Start Date: 1/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $149,998

INDIANA

Sieng, Monita BS
Program Type: Predoctoral Fellowship Institution: Purdue University, West Lafayette City: West Lafayette Project Title: Molecular mechanism of Rap1A-dependent activation of PLCepsilon in cardiovascular disease Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $53,688

INDIANA

Sjogren, Benita MSc, PhD
Program Type: Scientist Development Grant Institution: Purdue University, West Lafayette City: West Lafayette Project Title: Targeting molecular mechanisms of RGS2 protein degradation for novel cardiovascular therapeutics. Award Start Date: 1/1/2015 Award End Date: 12/31/2018 Total Years: 4 Total Award Amount: $308,000

INDIANA

Tesini Roseguini, Bruno PT, MSc
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
INDIANA

**Tisdale, James 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

**Vincentz, Joshua 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

**Wessel, Jennifer PhD, MPH**

**Program Type:** Scientist Development Grant  
**Institution:** Indiana University, Indianapolis  
**City:** Indianapolis  
**Project Title:** Using Child’s Genetic Risk to Stimulate Diabetes Risk Reducing Change in Families  
**Award Start Date:** 1/1/2015  
**Award End Date:** 12/31/2018  
**Total Years:** 4  
**Total Award Amount:** $308,000

INDIANA

**Wu, Yueh-Fu 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:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $53,688

INDIANA

**Yang, Lei PhD**

**Program Type:** Grant-in-Aid  
**Institution:** Indiana University, Indianapolis  
**City:** Indianapolis  
**Project Title:** MicroRNA-126 Regulates Human Heart Development  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $154,000

IOWA

**Abel, Evan 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
IOWA

Ahern, Christopher 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

Campbell, Hannah BS
Program Type: Predoctoral Fellowship
Institution: University of Iowa, Iowa City
City: Iowa City
Project Title: Force-induced apoptosis and the mechanoprotective role of PAK2
Award Start Date: 7/1/2018
Award End Date: 6/30/2020
Total Years: 2
Total Award Amount: $53,688

Catov, Janet 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

Chauhan, Anil PhD, MT
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

Dayal, Sanjana 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

Dhanesha, Nirav PhD
Program Type: Postdoctoral Fellowship
Institution: University of Iowa, Iowa City
City: Iowa City
Project Title: Mechanistic Role of Integrin alpha9beta1 in Modulation of Arterial Thrombosis
Award Start Date: 7/1/2017
Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $110,456

Doddupattar, Prakash PhD
Program Type: Postdoctoral Fellowship
Institution: University of Iowa, Iowa City
City: Iowa City
**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**  
**Greiner, Alexander BA**  
**Program Type:** Predoctoral Fellowship  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** Assessing the Role of MSX1 in Cardiac Fibrosis and Sudden Cardiac Death  
**Award Start Date:** 7/1/2018  
**Award End Date:** 6/30/2020  
**Total Years:** 2  
**Total Award Amount:** $53,688

**IOWA**  
**Grobe, Justin PhD, BS**  
**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

**IOWA**  
**Grove, Justin PhD, BS**  
**Program Type:** Strategically Focused Research Network  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** Molecular Mechanisms of Vasopressin-Induced Preeclampsia  
**Award Start Date:** 4/1/2015  
**Award End Date:** 3/31/2019  
**Total Years:** 4  
**Total Award Amount:** $909,912

**IOWA**  
**Grumbach, Isabella MD PhD**  
**Program Type:** Grant-in-Aid  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** CaMKII in mitochondria drives smooth muscle migration and neointimal hyperplasia  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**IOWA**  
**Grumbach, Isabella 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**  
**Guo, Ang BS, PhD**  
**Program Type:** Scientist Development Grant  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** Novel functions of posttranslationally processed Junctophilin-2  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $231,000
Holwerda, Seth PhD
Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City: Iowa City Project Title: Anxiety-mediated impairments in large elastic artery function and the autonomic nervous system Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $98,950

Idiga, Sharon BS
Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City: Iowa City Project Title: Novel Endocrine Circuit Regulating Sugar Satiety Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $53,688

Kassan, Modar 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

Lira, Vitor PhD
Program Type: Scientist Development Grant Institution: University of Iowa, Iowa City City: Iowa City Project Title: Molecular insights into exercise-mediated protection against diabetic cardiomyopathy Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

Liu, Jing PhD, MD
Program Type: Postdoctoral Fellowship Institution: University of Iowa, Iowa City City: Iowa City Project Title: MicroRNA-204 in Aortic Aneurysmal Disease Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $104,060

Liu, Yujia BS
Program Type: Predoctoral Fellowship Institution: University of Iowa, Iowa City City: Iowa City Project Title: Interplay Between AKAP1-scaffolded Calcineurin&PKA in Mitochondrial Fragmentation and Post-ischemic Neuronal Survival Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $51,900

Matasic, Daniel BS, MBA
Program Type: Predoctoral Fellowship  Institution: University of Iowa, Iowa City  City: Iowa City  Project Title: Post-Translational Modification Crosstalk in Cardiac Sodium Channels and Arrhythmogenesis  Award Start Date: 1/1/2017  Award End Date: 12/31/2018  Total Years: 2  Total Award Amount: $51,900

IOWA  
McNeill, Elizabeth 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  
Nuxoll, Eric PhD, 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  
Pereira Alambert, Renata BS, MS  
Program Type: Scientist Development Grant  Institution: University of Iowa, Iowa City  City: Iowa City  Project Title: Energy-Deficient Muscle as a Source for Circulating Fibroblast Growth Factor 21  Award Start Date: 7/1/2015  Award End Date: 6/30/2019  Total Years: 4  Total Award Amount: $308,000

IOWA  
Perschbacher, Katherine BA  
Program Type: Predoctoral Fellowship  Institution: University of Iowa, Iowa City  City: Iowa City  Project Title: Molecular Mechanisms of RGS2 in Preeclampsia  Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $53,688

IOWA  
Pierce, Gary PhD, MS  
Program Type: Strategically Focused Research Network  Institution: University of Iowa, Iowa City  City: Iowa City  Project Title: Early Vascular Dysfunction and Elevated Copeptin in Human Preeclampsia  Award Start Date: 4/1/2015  Award End Date: 3/31/2019  Total Years: 4  Total Award Amount: $887,488

IOWA  
Rahmouni, Kamal PhD  
Program Type: Established Investigator Award  Institution: University of Iowa, Iowa City  City: Iowa City  Project Title: mTORC1 Signaling in the Hypothalamus and Cardiovascular Regulation  Award Start Date: 1/1/2014  Award End Date: 12/31/2018  Total Years: 5  Total Award Amount: $400,000
IOWA
*Ripley, Brittany 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
*Sabharwal, Rasna BS, MS*
**Program Type:** Grant-in-Aid  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** Ang-(1-7) protects against stress-induced cardiac morbidity and mortality in muscular dystrophy  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

IOWA
*Santillan, Mark BS, BA*
**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
*Santillan, Mark BS, BA*
**Program Type:** Strategically Focused Research Network  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** Predicting Preeclampsia via Copeptin: Underrepresented Minorities & Synergy with Other Biomarkers  
**Award Start Date:** 4/1/2015  
**Award End Date:** 3/31/2019  
**Total Years:** 4  
**Total Award Amount:** $1,221,000

IOWA
*Sapouckey, Sarah 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
*Sigmund, Curt BA, MA*
**Program Type:** Strategically Focused Research Network  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:** University of Iowa Strategically Focused Hypertension Research Center  
**Award Start Date:** 4/1/2015  
**Award End Date:** 3/31/2019  
**Total Years:** 4  
**Total Award Amount:** $690,800

IOWA
*Slusarski, Diane PhD*
**Program Type:** Grant-in-Aid  
**Institution:** University of Iowa, Iowa City  
**City:** Iowa City  
**Project Title:**
Elucidating the Mechanisms of the McKusick-Kaufman syndrome gene MKKS/BBS6 in congenital heart disease

**Award Start Date:** 7/1/2017  **Award End Date:** 6/30/2019  **Total Years:** 2  **Total Award Amount:** $154,000

**IOWA**

**Song, Long-Sheng 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**

**Sylvers, Kelli 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**

**Thiel, William BS, PhD**
**Program Type:** Innovative Project Award  **Institution:** University of Iowa, Iowa City  **City:** 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**

**Thiel, William BS, PhD**
**Program Type:** Transformational Project Award  **Institution:** University of Iowa, Iowa City  **City:** Iowa City  **Project Title:** Deciphering mechanisms of vascular disease with cell and process specific ligands  **Award Start Date:** 7/1/2018  **Award End Date:** 6/30/2021  **Total Years:** 3  **Total Award Amount:** $300,000

**IOWA**

**Udofot, Ofonime BSC, MSc**
**Program Type:** Postdoctoral Fellowship  **Institution:** University of Iowa, Iowa City  **City:** Iowa City  **Project Title:** Inhibition of extracellular histones in myocardial depression in sepsis  **Award Start Date:** 7/1/2018  **Award End Date:** 6/30/2020  **Total Years:** 2  **Total Award Amount:** $106,532

**IOWA**

**Urak, Kevin BS, MS**
**Program Type:** Predoctoral Fellowship  **Institution:** University of Iowa, Iowa City  **City:** Iowa City  **Project Title:** Targeting Extracellular Histones with RNA Aptamers for the Treatment of Sepsis  **Award Start Date:** 1/1/2017  **Award End Date:** 12/31/2018  **Total Years:** 2  **Total Award Amount:** $51,900
IOWA

**Vikram, Ajit BS, MS**

**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

**Weiss, Robert MD**

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

**Wu, Jing MD, PhD**

**Program Type:** Postdoctoral Fellowship  
**Institution:** University of Iowa, Iowa City  
**Project Title:** The Role of Endothelial Cullin3 in Vascular Function and Blood Pressure Regulation  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $104,060

IOWA

**Yang, Ling PhD**

**Program Type:** Scientist Development Grant  
**Institution:** University of Iowa, Iowa City  
**Project Title:** Integration of Inflammatory Signaling and the Unfolded Protein Response by Nitrosylation Signaling in Obesity  
**Award Start Date:** 7/1/2015  
**Award End Date:** 6/30/2019  
**Total Years:** 4  
**Total Award Amount:** $308,000

KANSAS

**Kozai, Keisuke PhD**

**Program Type:** Postdoctoral Fellowship  
**Institution:** University of Kansas Medical Center  
**Project Title:** Trophoblast-directed pathways regulating uterine spiral artery restructuring  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $98,950

KANSAS

**McFarlane, Jeff 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

Miao, Yinglong 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

KENTUCKY

Berron, Bradley PhD, BS
Program Type: Innovative Project Award Institution: University of Kentucky, Lexington 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

Cassis, Lisa 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

Daugherty, Alan 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

Daugherty, Alan 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

Jones, Steven 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

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

KENTUCKY
Lee, Sangderk PhD
Program Type: Grant-in-Aid  Institution: University of Kentucky College of Medicine  City: Lexington  Project Title: Deciphering the regulatory mechanism of hepatic VLDL production by heparin binding EGF-like growth factor (HB-EGF)  Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $154,000

KENTUCKY
Ly, Han 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
Muradashvili, Nino MD
Program Type: Scientist Development Grant  Institution: University of Louisville  City: Louisville  Project Title: Hyperhomocysteinemia exacerbates short-term memory reduction after traumatic brain injury  Award Start Date: 7/1/2017  Award End Date: 6/30/2020  Total Years: 3  Total Award Amount: $231,000

KENTUCKY
Nystoriak, Matthew 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
Pushpakumar, Sathnur PhD, MD
Program Type: Scientist Development Grant  Institution: University of Louisville  City: Louisville  Project
Title: Epigenetic Mechanism of Renovascular Remodeling in Hyperhomocysteinemia  
Award Start Date: 7/1/2015  Award End Date: 6/30/2019  Total Years: 4  Total Award Amount: $308,000

KENTUCKY

**Satin, Jonathan PhD**  
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

**Sawada, Hisashi 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

**Stivers, Katlin BA, MS**  
Program Type: Predoctoral Fellowship  
Institution: University of Louisville  
City: Louisville  
Project Title: Regulation of Adipose Tissue Inflammation by Resident Myeloid Derived Suppressor Cells  
Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $53,688

KENTUCKY

**Veeranki, Sudhakar PhD, DVM**  
Program Type: Scientist Development Grant  
Institution: University of Louisville  
City: Louisville  
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

**Venditto, Vincent 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

**Weaver, Chelsea BS, AS**  
Program Type: Predoctoral Fellowship  
Institution: University of Kentucky, Lexington  
City: Lexington  
Project Title: The African Green Monkey: A Novel Model of Spontaneous Hypertensive Pregnancy Disorders  
Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $53,688
KENTUCKY

Wei, Yinan BS, MS
Program Type: Grant-in-Aid Institution: University of Kentucky, Lexington City: Lexington Project Title: Role of E. coli ETT2 in endothelial disruption and sepsis Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $154,000

LOUISIANA

Alam, Shafiul PhD, MSc
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

Chaparro Lanfranco, Maria Pia PhD, MS
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

Finney, Alexandra BS
Program Type: Predoctoral Fellowship Institution: Louisiana State University Health Sciences Center Shreveport City: Shreveport Project Title: EphA2 Mediates Vascular Smooth Muscle Fibroproliferative Response in Vascular Remodeling Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $51,900

LOUISIANA

Intapad, Suttira 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

LOUISIANA

Jin, Liliang 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

Lee, Reggie PhD, BS

Program Type: Postdoctoral Fellowship  
Institution: Louisiana State University Health Sciences Center Shreveport  
City: Shreveport  
Project Title: Therapeutic potential of palmitic acid methyl ester against cerebral ischemia  
Award Start Date: 7/1/2017  
Award End Date: 12/30/2019  
Total Years: 2  
Total Award Amount: $114,368

LOUISIANA

Lin, Hung Wen BS, PhD

Program Type: Grant-in-Aid  
Institution: Louisiana State University Health Sciences Center Shreveport  
City: Shreveport  
Project Title: Neuronal fatty acid methylation by protein arginine methyltransferase  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

LOUISIANA

Liu, Hongbing 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

LOUISIANA

Meadows, Stryder PhD, BS

Program Type: Scientist Development Grant  
Institution: Tulane University, New Orleans  
City: New Orleans  
Project Title: Molecular characterization of vascular anastomosis  
Award Start Date: 7/1/2016  
Award End Date: 6/30/2019  
Total Years: 3  
Total Award Amount: $231,000

LOUISIANA

Rutkai, Ibolya 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

Sharp, Thomas 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

Vozenilek, Aimee BS
Program Type: Predoctoral Fellowship  
Institution: Louisiana State University Health Sciences Center  
City: Shreveport  
Project Title: Contribution of myeloid-associated lipin-1 to macrophage pro-inflammatory responses  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $53,688

LOUISIANA

Wang, Jeffrey BS
Program Type: Clinical Health Profession Student Training Program  
Institution: Louisiana State University, New Orleans  
City: New Orleans  
Project Title: Synthetic Degradation of Activated STAT6 by PARP1 Inhibition in TH2 Response  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $53,688

MAINE

Harrison, David 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

Lessard, Amanda BS, PhD
Program Type: Postdoctoral Fellowship  
Institution: Maine Medical Center  
City: Portland  
Project Title: Role of retinoids during myocardial infarction  
Award Start Date: 1/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $98,950

MAINE

Liaw, Lucy PhD
Program Type: Grant-in-Aid  
Institution: Maine Medical Center  
City: Portland  
Project Title: The vascular-adipose microenvironment and susceptibility to vascular disease  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

MAINE

Liaw, Lucy 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

MAINE

Robich, Michael MD
Program Type: Mentored Clinical & Population Research Program Institution: Maine Medical Center City: Portland Project Title: Resveratrol in diabetic patients undergoing cardiac surgery Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

MAINE
Rosenthal, Nadia
Program Type: Innovative Research Grant Institution: The Jackson Laboratory City: Bar Harbor Project Title: Heart-Specific Modulation of Macrophages Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $150,000

MAINE
Townsend, Kristy 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
Abraham, Maria Roselle MBBS
Program Type: Innovative Research Grant Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Microfluidic 3-D Printing of Myocardial Tissue Constructs to Examine the Metabolic Basis of Hypertrophic Cardiomyopathy Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $149,562

MARYLAND
Agnetti, Giulio 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
Ahima, Rexford 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
Anderson, Mark 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

Bahouth, Mona 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

Bahouth, Mona 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

Barreto, Sebastian 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

Barth, Andreas MD PhD
Program Type: Scientist Development Grant Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Linking Electrical and Metabolic Remodeling in the Failing Heart via Alternatively Splicing Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

MARYLAND

Bennett, Wendy 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

Bogorad, Maxim BS
Program Type: Predoctoral Fellowship Institution: Johns Hopkins University City: Baltimore Project Title: In Vitro Vasculature for Investigating Mechanisms of Neutrophil Induced Capillary No-Reflow in Ischemia Reperfusion Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $51,900
MARYLAND

Boyle, Patrick BSC, PhD
Program Type: Scientist Development Grant Institution: Johns Hopkins University City: Baltimore
Project Title: Patient-specific modeling to unveil mechanistic insights on perpetuation and ablation of persistent atrial fibrillation Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

MARYLAND

Boyman, Liron PhD
Program Type: Scientist Development Grant Institution: University of Maryland, Baltimore City: Baltimore
Project Title: Mitochondrial Calcium Signaling in Heart; Physiological and Pathophysiological Implications Award Start Date: 1/1/2015 Award End Date: 12/31/2018 Total Years: 4 Total Award Amount: $308,000

MARYLAND

Catania, Selen PhD
Program Type: Scientist Development Grant Institution: University of Maryland, Baltimore City: Baltimore
Project Title: Role of LRP1 in Regulating Aneurysm Formation & Inflammation in the Vasculature Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $308,000

MARYLAND

Cihakova, Daniela PhD, MD
Program Type: Grant-in-Aid Institution: Johns Hopkins University School of Medicine City: Baltimore
Project Title: DRIVERS OF POST-INFARCT CARIDIAC REMODELING Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

MARYLAND

Clark, Jeanne 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

Cole, John MS, MD
Program Type: Institute - Bayer Discovery Grant Institution: University of Maryland, Baltimore City: Baltimore
Project Title: The genetics and biomarkers of small vessel stroke Award Start Date: 7/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $150,000
MARYLAND

Cudmore, Robert PhD
Program Type: Scientist Development Grant  Institution: Johns Hopkins University School of Medicine
City: Baltimore  Project Title: Longitudinal in vivo two-photon imaging of cerebral vascular plasticity following stroke in awake, behaving young and adult mice.  Award Start Date: 1/1/2016  Award End Date: 6/30/2020  Total Years: 4  Total Award Amount: $308,000

MARYLAND

Doshi, Ashish 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

MARYLAND

Foster, D Brian 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

Frank, Kristi BS, BS
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

Fu, Mao MD PhD
Program Type: Grant-in-Aid  Institution: University of Maryland, Baltimore  City: Baltimore  Project Title: Functional genetic variants for lipoprotein (a) levels  Award Start Date: 1/1/2017  Award End Date: 12/31/2018  Total Years: 2  Total Award Amount: $154,000

MARYLAND

Fu, Yingli BS, ME
Program Type: Scientist Development Grant  Institution: Johns Hopkins University School of Medicine  City: Baltimore  Project Title: High-throughput generation of image-visible embolic microcapsules for obesity treatment  Award Start Date: 7/1/2016  Award End Date: 6/30/2019  Total Years: 3  Total Award Amount: $231,000
MARYLAND

Fukunaga, Ryuya PhD
Program Type: Scientist Development Grant Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Regulatory mechanisms in small RNA silencing Award Start Date: 1/1/2015 Award End Date: 12/31/2018 Total Years: 4 Total Award Amount: $308,000

MARYLAND

Gao, Wei Dong DPhil, MD
Program Type: Grant-in-Aid Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Myofilament Desensitization in Hypertrophic Cardiomyopathy in Mice Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

MARYLAND

Gerecht, Sharon PhD
Program Type: Established Investigator Award Institution: Johns Hopkins University City: Baltimore Project Title: REGULATING HYPOXIA IN SYNTHETIC HYDROGELS FOR THE CONSTRUCTION AND DELIVERY OF VASCULAR NETWORKS TO ALLEVIATE ISCHEMIA Award Start Date: 1/1/2015 Award End Date: 12/31/2018 Total Years: 4 Total Award Amount: $320,000

MARYLAND

Hahn, Jin-Oh PhD, MS
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

Halushka, Marc BS, MD PhD
Program Type: Grant-in-Aid Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Profiling Intercalated Disc Components in Arrhythmogenic Cardiomyopathy Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

MARYLAND

Han, Xiaoning PhD, MD
Program Type: Scientist Development Grant Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Role of Secreted Frizzled-related Protein 3 in Regulation of Inflammation after Intracerebral Hemorrhage Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

MARYLAND

Hart, Gerald 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  
Hays, Allison MD  
Program Type: Grant-in-Aid  Institution: Johns Hopkins University School of Medicine  City: Baltimore  
Project Title: Mechanisms relating PCSK9, inflammation and coronary endothelial dysfunction in HIV+ people  Award Start Date: 7/1/2017  Award End Date: 6/30/2019  Total Years: 2  Total Award Amount: $154,000

MARYLAND  
Hibino, Narutoshi 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  
Kass, David 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

MARYLAND  
Kim, Grace 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  
Konstantinidis, Klitos MD  
Program Type: Postdoctoral Fellowship  Institution: Johns Hopkins University School of Medicine  City: Baltimore  
Project Title: A novel pathway to prevent excessive CaMKII activation  Award Start Date: 7/1/2018  Award End Date: 6/30/2020  Total Years: 2  Total Award Amount: $122,960

MARYLAND  
Kuzmiak-Glancy, Sarah BS, PhD  
Program Type: Scientist Development Grant  Institution: University of Maryland  City: College Park
**Project Title:** Matching Myocardial Energy Supply to Increases in Demand: Altered Calcium Activation in Heart Failure  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $231,000

**MARYLAND**  
*Kwon, Chulan 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**  
*Kwon, Chulan PhD*  
**Program Type:** Grant-in-Aid  
**Institution:** Johns Hopkins University School of Medicine  
**City:** Baltimore  
**Project Title:** Role of Spalt-like Gene in Cardiac Development  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**MARYLAND**  
*Lan, Xi PhD*  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Johns Hopkins University School of Medicine  
**City:** Baltimore  
**Project Title:** Role of Soluble Epoxide Hydrolase in Gray and White Matter Injury after Intracerebral Hemorrhage  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $114,368

**MARYLAND**  
*Lee-Summers, Jennifer 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**  
*Li, Deqiang 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**  
*Li, Xiaowei PhD*  
**Program Type:** Career Development Award  
**Institution:** Johns Hopkins University School of Medicine
City: Baltimore  
Project Title: Promoting Organization and Integration of Transplanted Stem cells for Brain Tissue Regeneration after Stroke  
Award Start Date: 7/1/2018  
Award End Date: 6/30/2021  
Total Years: 3  
Total Award Amount: $231,000

MARYLAND  
Lin, Michelle MD, MPH  
Program Type: Mentored Clinical & Population Research Program  
Institution: Johns Hopkins University School of Medicine  
City: Baltimore  
Project Title: Determinants of Collateral Perfusion Failure after Nonlacunar Stroke  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

MARYLAND  
Liu, Peiying PhD  
Program Type: Grant-in-Aid  
Institution: Johns Hopkins University School of Medicine  
City: Baltimore  
Project Title: A one-stop-shop scheme for hemodynamic imaging in cerebrovascular diseases  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $154,000

MARYLAND  
Marsh, Elisabeth 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  
Maruthur, Nisa 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  
Mistriotis, Panagiotis BS, MSc  
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

MARYLAND  
Montasser, May BS, MS  
Program Type: Grant-in-Aid  
Institution: University of Maryland, Baltimore  
City: Baltimore  
Project Title:
Identification and characterization of a novel LDL lowering locus on a founder population. **Award Start Date:** 7/1/2017  **Award End Date:** 6/30/2019  **Total Years:** 2  **Total Award Amount:** $154,000

MARYLAND  
**Ong, Chin Siang MBBS, MBBS**  
**Program Type:** Predoctoral Fellowship  
**Institution:** Johns Hopkins University School of Medicine  
**City:** Baltimore  
**Project Title:** Novel Stem Cell Therapy for Heart Failure Using 3D Printed Cardiac Tissue  
**Award Start Date:** 7/1/2017  **Award End Date:** 6/30/2019  **Total Years:** 2  **Total Award Amount:** $53,688

MARYLAND  
**Osei-Owusu, James 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  
**Ouyang, Pamela 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  
**Ouyang, Pamela 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  
**Pandey, Deepesh 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

MARYLAND  
**Pashakhanloo, Farhad PhD, BS**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Johns Hopkins University  
**City:** Baltimore  
**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
MARYLAND  

**Pasrija, Chetan MD**  
Program Type: Postdoctoral Fellowship  
Institution: University of Maryland, Baltimore  
City: Baltimore  
Project Title: Novel Treatment Repair for Ischemic Mitral Regurgitation  
Award Start Date: 7/1/2018  
Award End Date: 6/30/2019  
Total Years: 1  
Total Award Amount: $56,140

MARYLAND  

**Pham, Luu BS, MD**  
Program Type: Mentored Clinical & Population Research Program  
Institution: Johns Hopkins University School of Medicine  
City: Baltimore  
Project Title: Acute Effects of Nocturnal Hypoxemia on Cardiometabolic Stress and Gene Expression  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

MARYLAND  

**Post, Wendy 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  

**Ranek, Mark 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  

**Ruan, Linhao BS, MS**  
Program Type: Predoctoral Fellowship  
Institution: Johns Hopkins University School of Medicine  
City: Baltimore  
Project Title: Understanding the mechanisms of Mitochondria as Guardian in Cytosol  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $53,688

MARYLAND  

**Saria, Suchi 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

Schar, Michael 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

Schmidt, William 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

MARYLAND

Sharma, Sudhish 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

Shilagardi, Khurts PhD
Program Type: Scientist Development Grant Institution: Johns Hopkins University City: Baltimore Project Title: Novel function of ABC transporters in cell fusion. Award Start Date: 7/1/2015 Award End Date: 6/30/2019 Total Years: 4 Total Award Amount: $308,000

MARYLAND

Wan, Jieru 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

Wan, Mei PhD
Program Type: Grant-in-Aid Institution: Johns Hopkins University School of Medicine City: Baltimore Project Title: Mechanisms of Parathyroid Hormone-Accelerated Endothelium Repair Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

MARYLAND

Wang, Jian PhD, MD
**Program Type:** Grant-in-Aid  
**Institution:** Johns Hopkins University School of Medicine  
**City:** Baltimore  
**Project Title:** 20-HETE and hemorrhagic brain injury  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**MARYLAND**  
**Whelton, Seamus BA, MPH**  
**Program Type:** Mentored Clinical & Population Research Program  
**Institution:** Johns Hopkins University School of Medicine  
**City:** Baltimore  
**Project Title:** Modeling the long-term impact of coronary artery calcium on the competing risk of CVD versus non-CVD mortality  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**MARYLAND**  
**Yun, Xin 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

**MARYLAND**  
**Zhang, Li 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**  
**Zimmerman, Stefan MD, BA**  
**Program Type:** Grant-in-Aid  
**Institution:** Johns Hopkins University School of Medicine  
**City:** Baltimore  
**Project Title:** Spectral CT Extracellular Volume Mapping for Quantification of Focal Myocardial Fibrosis  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**MASSACHUSETTS**  
**Abrams, Dominic MBBS, MD**  
**Program Type:** Collaborative Sciences Award  
**Institution:** Boston Children's Hospital  
**City:** Boston  
**Project Title:** Towards precision medicine in inherited arrhythmias using patient-derived induced pluripotent stem cells  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $59,400

**MASSACHUSETTS**  
**Aguirre, Aaron MD PhD**  
**Program Type:** Fellow-to-Faculty Transition Award  
**Institution:** Massachusetts General Hospital  
**City:**
Boston Project Title: Cellular imaging of ischemia/reperfusion injury in the beating heart Award Start Date: 7/1/2014 Award End Date: 6/30/2019 Total Years: 5 Total Award Amount: $593,000

MASSACHUSETTS
Allegretti, Andrew 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
Almamun, Md PhD, MS
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

MASSACHUSETTS
Al-Shaar, Laila BSC, MSc
Program Type: Predoctoral Fellowship Institution: Harvard School of Public Health City: Boston Project Title: BMI and physical activity in relation to Outcomes after Myocardial Infarction-Analysis of two prospective cohort studies Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $53,688

MASSACHUSETTS
Amorim de Cerqueira Filho, Edilberto MD
Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: Dynamic EEG reactivity signatures underlying recovery trajectories in hypoxic brain injury Award Start Date: 1/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $118,650

MASSACHUSETTS
Andraski, Allison BS
Program Type: Predoctoral Fellowship Institution: Harvard School of Public Health City: Boston Project Title: Apolipoprotein A-IV function on HDL in humans: metabolism, proteomics, and cholesterol efflux across HDL size Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $51,900

MASSACHUSETTS
Annabi, Nasim PhD
Program Type: Scientist Development Grant Institution: Northeastern University, Boston City: Boston Project Title: Engineering bioprintable Cardiac Tissues Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000
MASSACHUSETTS

Aragam, Krishna BA, MD
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

Armoundas, Antonis PhD
Program Type: Institute - Uncovering New Patterns Grant Institution: Massachusetts General Hospital City: Boston Project Title: Predicting In-Hospital Cardiac Arrest Using Machine Learning and Massive Streaming Electronic Patient Data Award Start Date: 4/2/2018 Award End Date: 3/31/2019 Total Years: 1 Total Award Amount: $150,000

MASSACHUSETTS

Asnani, Aarti BA, MD
Program Type: Career Development Award Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Defining the Role of CYP1 Enzymes in Doxorubicin Cardiotoxicity Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: $231,000

MASSACHUSETTS

Awad, Louis PhD, PT
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: 6/30/2021 Total Years: 2 Total Award Amount: $199,958

MASSACHUSETTS

Awad, Louis PhD, PT
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

Bachschmid, Markus PhD
Program Type: Grant-in-Aid Institution: Boston University Medical Campus City: Boston Project Title: Impaired cysteine-thiol redox signaling in metabolic cardiovascular disease Award Start Date: 1/1/2016 Award End Date: 12/31/2018 Total Years: 3 Total Award Amount: $198,000
MASSACHUSETTS

Barbieri, Riccardo PhD
Program Type: Grant-in-Aid  
Institution: Massachusetts General Hospital  
City: Boston  
Project Title:  
EFFECTS OF TRANSCUTANEOUS VAGAL NERVE STIMULATION ON HYPERTENSION  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2018  
Total Years: 3  
Total Award Amount: $198,000

MASSACHUSETTS

Bazzone, Lindsey 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

Benjamin, Emelia 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

Biddinger, Sudha 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

Black, Lauren PhD, MS
Program Type: Grant-in-Aid  
Institution: Tufts University, Medford  
City: Medford  
Project Title: A 3-D model of the infarct microenvironment for the evaluation of delivery strategies for cell-based therapies following  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2018  
Total Years: 3  
Total Award Amount: $198,000

MASSACHUSETTS

Bonaca, Marc 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

MASSACHUSETTS
Bonaca, Marc 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
Breault, David 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
Brooks, Danielle 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
Cartier, Andreane BSC, MS
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
Chen, Hong BSC, MS
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

MASSACHUSETTS
Cheung, Pui BS, MS
Program Type: Fellow-to-Faculty Transition Award
Institution: Massachusetts General Hospital
City: Boston
Project Title: Characterization of Novel Signaling Pathways involved in Water Balance Disorders
Award Start Date: 7/1/2017
Award End Date: 6/30/2022
Total Years: 5
Total Award Amount: $593,000

MASSACHUSETTS
Chien, Cheng-Hao PhD
Program Type: Postdoctoral Fellowship
Institution: Tufts University, Boston
City: Boston
Project Title: Interrogating AMPK Dynamics in Synaptic Transmission and Obesity
Award Start Date: 7/1/2017
Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $106,532

MASSACHUSETTS
Chin, Michael 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
Chouchani, Edward 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
Choudhury, Sangita 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
Chung, David MD PhD
Program Type: Postdoctoral Fellowship
Institution: Massachusetts General Hospital
City: Boston
Project Title: Mechanisms of secondary injury after aneurysmal subarachnoid hemorrhage
Award Start Date: 7/1/2018
Award End Date: 6/30/2020
Total Years: 2
Total Award Amount: $125,120

MASSACHUSETTS
Cocchi, Michael BA, MD
Program Type: Scientist Development Grant
Institution: Beth Israel Deaconess Medical Center
City: Boston
Project Title:
Boston  
**Project Title:** Esmolol to Treat the Cardiovascular Effects of Septic Shock  
**Award Start Date:** 1/1/2015  
**Award End Date:** 12/31/2018  
**Total Years:** 4  
**Total Award Amount:** $308,000

**MASSACHUSETTS**  
**Courties, Gabriel PhD**  
**Program Type:** Scientist Development Grant  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Regulatory T cells resolve MI-induced emergency hematopoiesis  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $231,000

**MASSACHUSETTS**  
**Daane, Jacob PhD**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Northeastern University, Boston  
**City:** Boston  
**Project Title:** Evolution-directed screen to identify regulators of cardiovascular biology  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $103,328

**MASSACHUSETTS**  
**Das, Saumya BA, MD**  
**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**  
**Debold, Edward PhD, MS**  
**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**  
**Del Monte, Federica 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**  
**Diaco, Thomas BS, MD**  
**Program Type:** Collaborative Sciences Award  
**Institution:** Harvard School of Public Health  
**City:** Boston  
**Project Title:** Analysis of platelet function and microRNA-mRNA profiles in neonatal cardiac patients  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $453,318
MASSACHUSETTS

**Domian, Ibrahim MD PhD**

Program Type: Grant-in-Aid  
Institution: Massachusetts General Hospital  
City: Boston  
Project Title: The Role of Proteolysis in Cardiac Development and Disease  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

MASSACHUSETTS

**Dorbala, Sharmila MD, MPH**

Program Type: Collaborative Sciences Award  
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: 7/1/2016  
Award End Date: 6/30/2019  
Total Years: 3  
Total Award Amount: $374,790

MASSACHUSETTS

**Ellinor, Patrick 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

**Elmariah, Sammy MD, MPH**

Program Type: Fellow-to-Faculty Transition Award  
Institution: Massachusetts General Hospital  
City: Boston  
Project Title: Multimodality Prediction of Left Ventricular Remodeling and Clinical Outcomes in Patients with Aortic Stenosis  
Award Start Date: 7/1/2014  
Award End Date: 6/30/2019  
Total Years: 5  
Total Award Amount: $593,000

MASSACHUSETTS

**Engelberg, Klemens MSc, PhD**

Program Type: Postdoctoral Fellowship  
Institution: Boston College, Chestnut Hill  
City: Chestnut Hill  
Project Title: Cytokinetic signaling pathways as putative drug targets in the heart parasite Toxoplasma gondii  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $114,368

MASSACHUSETTS

**Etherton, Mark MD PhD, BS**

Program Type: Clinical Scientist Training Program  
Institution: Massachusetts General Hospital  
City: Boston  
Project Title: Advanced Neuroimaging to Predict Functional Outcomes After Ischemic Stroke  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $118,628
Fan, Qiuyun BS, PhD
Program Type: Postdoctoral Fellowship Institution: Massachusetts General Hospital City: Boston Project Title: TractCaliber MRI for Characterizing Axonal Damage in Ischemic Stroke Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $110,456

Farokhzad, Omid 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

Feinberg, Mark 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

Fetterman, Jessica BA, PhD
Program Type: Mentored Clinical & Population Research Program Institution: Boston University Medical Campus City: Boston Project Title: E-cigarette-Induced Endothelial Dysfunction in Human Participants Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $154,000

Fletcher, Elizabeth 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

Fredenburgh, Laura MD, MA
Program Type: Grant-in-Aid Institution: Brigham & Women’s Hospital City: Boston Project Title: YAP/TAZ Regulation of TGF-beta/BMP Signaling and Vascular Remodeling in Pulmonary Arterial Hypertension Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000
MASSACHUSETTS

Freedman, Jane 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

Fuster, Jose BS, PhD

Program Type: Scientist Development Grant  
Institution: Boston University Medical Campus  
City: Boston  
Project Title: Role of age-associated TET2 mutations in atherosclerosis  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2019  
Total Years: 3  
Total Award Amount: $231,000

MASSACHUSETTS

Gaca, Anthony BS, PhD

Program Type: Postdoctoral Fellowship  
Institution: Massachusetts Eye & Ear Infirmary, Boston  
City: Boston  
Project Title: New mobile element class in the evolution of pathogenic Enterococcus faecalis  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $102,550

MASSACHUSETTS

Garlo, Katherine MD

Program Type: Mentored Clinical & Population Research Program  
Institution: Brigham & Women's Hospital  
City: Boston  
Project Title: Safety and Efficacy of Non Vitamin K Novel Antagonists Compared with Warfarin in Patients with Atrial Fibrillation and  
Award Start Date: 7/1/2017  
Award End Date: 6/30/2019  
Total Years: 2  
Total Award Amount: $154,000

MASSACHUSETTS

Gaudet, Rachelle PhD

Program Type: Grant-in-Aid  
Institution: Harvard University, Cambridge  
City: Cambridge  
Project Title: Direct Identification of Druggable Sites in TRPA1  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2018  
Total Years: 3  
Total Award Amount: $198,000

MASSACHUSETTS

Ghosh, Arpan BSC, MSc

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**

**Gopal, Deepa 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

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**MASSACHUSETTS**

**Guo, Yuxuan 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

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**MASSACHUSETTS**

**Haemmig, Stefan PhD**

**Program Type:** Postdoctoral Fellowship  
**Institution:** Brigham & Women's Hospital  
**City:** Boston  
**Project Title:** Role of the IncRNA 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

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**MASSACHUSETTS**

**Hanafy, Khalid MD PhD**

**Program Type:** Grant-in-Aid  
**Institution:** Beth Israel Deaconess Medical Center  
**City:** Boston  
**Project Title:** HO-1 and TLR4 in Sterile Fever after Subarachnoid Hemorrhage  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

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**MASSACHUSETTS**

**Harding, Ian 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

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**MASSACHUSETTS**

**Hedjazi Moghari, Mehdi BSC, MSc**

**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

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**MASSACHUSETTS**

**Herman, Mark BSE, MD**

**Program Type:** Collaborative Sciences Award  
**Institution:** Beth Israel Deaconess Medical Center  
**City:** Boston
Boston Project Title: Genomic and Genetic Investigation of Sugar-Induced Cardiometabolic Risk Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $496,141

MASSACHUSETTS
Heyward, Frankie BA, BA
Program Type: Postdoctoral Fellowship Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Cell-type specific epigenomic profiles as a tool to identify novel transcriptional pathways regulating weight loss Award Start Date: 7/1/2018 Award End Date: 6/30/2020 Total Years: 2 Total Award Amount: $106,532

MASSACHUSETTS
Hossain, Mir BS, MS
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
Huang, Zhanpeng PhD, BS
Program Type: Scientist Development Grant Institution: Boston Children's Hospital City: Boston Project Title: Molecular mechanisms of the protection of CIP against cardiac remodeling Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

MASSACHUSETTS
Huffman, Jeff MD
Program Type: Mentor-AHA Mentee Award Institution: Massachusetts General Hospital City: Boston Project Title: Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $45,000

MASSACHUSETTS
Jaffe, Iris PhD, MD
Program Type: Established Investigator Award Institution: Tufts Medical Center City: Boston Project Title: Extra-Renal Mineralocorticoid Receptors in Hypertension and Atherosclerosis Award Start Date: 1/1/2014 Award End Date: 12/31/2018 Total Years: 5 Total Award Amount: $400,000

MASSACHUSETTS
Jaffre, Fabrice PhD
Program Type: Scientist Development Grant Institution: Beth Israel Deaconess Medical Center City: Boston Project Title: Deciphering novel molecular mechanisms underlying hypertrophic cardiomyopathy in Noonan syndrome using iPS cells Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000
MASSACHUSETTS

**Jatkar, Aditi MS**

**Program Type:** Predoctoral Fellowship  
**Institution:** Harvard School of Public Health  
**City:** Boston  
**Project Title:** Mechanisms coordinating de novo lipogenesis with triglyceride synthesis  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $53,688

MASSACHUSETTS

**Jiang, Mengxi PhD**

**Program Type:** Postdoctoral Fellowship  
**Institution:** Whitehead Institute for Biomedical Research, Cambridge  
**City:** Cambridge  
**Project Title:** The role of long non-coding RNA IncE3 in depot-specific adipocyte development and function  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $110,456

MASSACHUSETTS

**Kalluri, Aditya BS**

**Program Type:** Predoctoral Fellowship  
**Institution:** Harvard University, Cambridge  
**City:** Cambridge  
**Project Title:** High-dimensional characterization of endothelial cell transcriptional response to environmental drivers of shock subtype  
**Award Start Date:** 7/1/2018  
**Award End Date:** 6/30/2019  
**Total Years:** 1  
**Total Award Amount:** $26,844

MASSACHUSETTS

**Kang, Peter MD, BA**

**Program Type:** Grant-in-Aid  
**Institution:** Beth Israel Deaconess Medical Center  
**City:** Boston  
**Project Title:** Thrombus targeted nano drug delivery system for thromboembolic diseases  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

MASSACHUSETTS

**Kant, Shashi PhD**

**Program Type:** Scientist Development Grant  
**Institution:** University of Massachusetts Medical School  
**City:** Worcester  
**Project Title:** Mitogen Kinase Kinase 4 links insulin resistance and atherosclerosis  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $231,000

MASSACHUSETTS

**Kellnberger, Stephan PhD, MSc**

**Program Type:** Postdoctoral Fellowship  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Integrated NIRF-IVUS imaging system to assess the role of plaque inflammation and burden on plaque progression  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $114,368
MASSACHUSETTS

Kim, Edy 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

Kim, Jonghan PhD
Program Type: Grant-in-Aid Institution: Northeastern University, Boston City: Boston Project Title: Multifunctional Nanochelators to Correct Cardiac Hypertrophy and Hyperlipidemia in Iron Overload Disorders Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $154,000

MASSACHUSETTS

Kimberly, W. Taylor 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

Kolachalama, Vijaya 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

Koupenova, Milka BS, PhD
Program Type: Scientist Development Grant Institution: University of Massachusetts Medical School City: Worcester Project Title: Platelets, Viruses and Antiviral response Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $231,000

MASSACHUSETTS

Kuo, Yu-Ting 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

Kwan, Gene MD, MPH
Program Type: Mentored Clinical & Population Research Program Institution: Boston Medical Center
**City:** Boston  
**Project Title:** A Mixed Methods Evaluation of Barriers to Heart Failure Care in Rural Haiti  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $154,000

**MASSACHUSETTS**

**Lewis, Gregory BA, MD**  
**Program Type:** Institute - Grand Challenge Grant  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Metabolic Profiling of Exercise to Predict Cardiometabolic Risk  
**Award Start Date:** 7/1/2015  
**Award End Date:** 6/30/2019  
**Total Years:** 4  
**Total Award Amount:** $2,000,000

**MASSACHUSETTS**

**Li, Shasha MD, MS**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Localizing Central Swallowing Functions by Combining Noninvasive Brain Stimulation with Neuroimaging  
**Award Start Date:** 1/1/2017  
**Award End Date:** 12/31/2018  
**Total Years:** 2  
**Total Award Amount:** $102,550

**MASSACHUSETTS**

**Liao, Ronglih PhD**  
**Program Type:** Collaborative Sciences Award  
**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:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $374,554

**MASSACHUSETTS**

**Libby, Peter 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

**MASSACHUSETTS**

**Liu, Cong-Lin MD, MS**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Brigham & Women's Hospital  
**City:** Boston  
**Project Title:** IL18 uses two alternative receptors in abdominal aortic aneurysm  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $103,328

**MASSACHUSETTS**

**Liu, Junxiu PhD, MS**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Tufts University, Boston  
**City:** Boston  
**Project Title:**
Comparative and cost-effectiveness of population strategies to improve diet and reduce CVD among low-income Americans. **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2019 **Total Years:** 2 **Total Award Amount:** $106,532

**MASSACHUSETTS**  
**Lu, Michael MD**  
**Program Type:** Institute - Uncovering New Patterns Grant  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Deep learning to automate coronary calcium quantification and predict cardiovascular risk from lung cancer screening CT  
**Award Start Date:** 4/2/2018  
**Award End Date:** 3/31/2019  
**Total Years:** 1  
**Total Award Amount:** $150,000

**MASSACHUSETTS**  
**Lubitz, Steven BS, MD**  
**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**  
**Luptak, Ivan 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**  
**Mader, Timothy MD, NONE**  
**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

**MASSACHUSETTS**  
**Malhotra, Rajeev BA, MS**  
**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**  
**Marini, Sandro MD**
Program Type: Postdoctoral Fellowship  Institution: Massachusetts General Hospital  City: Boston  Project Title: Impact of Self-reported vs. genetic ancestry on modeling of intracerebral hemorrhage outcomes  Award Start Date: 7/1/2018  Award End Date: 6/30/2020  Total Years: 2  Total Award Amount: $125,120

Massachusetts  

McGrath, Martina 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  

McKeown, Nicola PhD  
Program Type: Collaborative Sciences Award  Institution: Tufts University, Boston  City: Boston  Project Title: Genomic and Genetic Investigation of Sugar-Induced Cardiometabolic Risk  Award Start Date: 7/1/2016  Award End Date: 6/30/2019  Total Years: 3  Total Award Amount: $253,859

MASSACHUSETTS  

Milan, David MSc, MD  
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

MASSACHUSETTS  

Nezafat, Reza 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

MASSACHUSETTS  

Nigwekar, Sagar 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 Arteriolopathy  Award Start Date: 7/1/2015  Award End Date: 6/30/2020  Total Years: 5  Total Award Amount: $593,000

MASSACHUSETTS  

Opotowsky, Alexander MD, MPH  
Program Type: Innovative Research Grant  Institution: Boston Children's Hospital  City: Boston  Project Title: CLINICAL AND PROTEOMIC PATHOPHENOTYPING OF FOUR CONGENITAL HEART DISEASE
ARCHETYPES

Award Start Date: 1/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $150,000

MASSACHUSETTS

Osborne, Michael BSE, MD
Program Type: Career Development Award Institution: Massachusetts General Hospital City: Boston Project Title: The Effect of Mindfulness on Vascular Inflammation: A Multi-System PET/MRI Study Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: $230,988

Ozaki, C Keith MD
Program Type: Grant-in-Aid Institution: Brigham & Women's Hospital City: Boston Project Title: Protective Mechanisms by Protein Restriction in Intimal Hyperplasia Award Start Date: 1/1/2016 Award End Date: 12/31/2018 Total Years: 3 Total Award Amount: $198,000

Page, David MD
Program Type: Innovative Research Grant Institution: Whitehead Institute for Biomedical Research, Cambridge City: Cambridge Project Title: A Global Characterization of Sex Differences in the Human Heart Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $149,980

Park, Sang W 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

Parker, Kevin PhD
Program Type: Collaborative Sciences Award Institution: Wyss Institute City: Boston Project Title: Towards precision medicine in inherited arrhythmias using patient-derived induced pluripotent stem cells Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $345,000

Paynter, Nina PhD, MHSc
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: 9/30/2019 Total Years: 2 Total Award Amount: $184,868
MASSACHUSETTS

Penumatsa, Krishna PhD, MS
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

Perreault, Luke 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

Plummer, Ashlee 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

Pu, William MD
Program Type: Collaborative Sciences Award
Institution: Boston Children's Hospital
City: Boston
Project Title: Towards precision medicine in inherited arrhythmias using patient-derived induced pluripotent stem cells
Award Start Date: 7/1/2016
Award End Date: 6/30/2019
Total Years: 3
Total Award Amount: $345,600

Pu, William MD
Program Type: Innovative Research Grant
Institution: Boston Children's Hospital
City: Boston
Project Title: Forward genetic screen to discover regulators of mammalian cardiomyocyte maturation
Award Start Date: 1/1/2017
Award End Date: 12/31/2018
Total Years: 2
Total Award Amount: $150,000

Rabhi, Nabil PhD
Program Type: Postdoctoral Fellowship
Institution: Boston University Medical Campus
City: Boston
Project Title: Perivascular adipose tissue in cardiovascular disease
Award Start Date: 7/1/2017
Award End Date: 6/30/2019
Total Years: 2
Total Award Amount: $103,328

Rade, Jeffrey MD, BS
Program Type: Grant-in-Aid  
**Institution:** University of Massachusetts Medical School  
**City:** Worcester  
**Project Title:** Inhibition of non-platelet thromboxane generation  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $154,000

**MASSACHUSETTS**

*Roh, Jason BA, MD*  
**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**

*Rosen, Matthew 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

**MASSACHUSETTS**

*Rosenzweig, Anthony 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**

*Rosenzweig, Anthony 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**

*Saffitz, Jeffrey 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**

*Salvador, Ane Miren PharmD, MS*  
**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**

**Sands, Scott BS, PhD**

**Program Type:** Scientist Development Grant  **Institution:** Brigham & Women's Hospital  **City:** Boston

**Project Title:** Sleep apnea phenotyping for personalized therapy using clinical polysomnography  **Award Start Date:** 7/1/2015  **Award End Date:** 6/30/2019  **Total Years:** 4  **Total Award Amount:** $308,000

**SKUNK, Geraldine MD, MSc**

**Program Type:** Postdoctoral Fellowship  **Institution:** Brigham & Women's Hospital  **City:** Boston

**Project Title:** Impaired urinary sodium excretion, renal vascular resistance and sFlt1 in women with prior preeclampsia  **Award Start Date:** 1/1/2017  **Award End Date:** 6/30/2019  **Total Years:** 2  **Total Award Amount:** $120,800

**MASSACHUSETTS**

**Song, Kai 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**

**Strom, Jordan BS, MD**

**Program Type:** Career Development Award  **Institution:** Beth Israel Deaconess Medical Center  **City:** Boston

**Project Title:** Identification of the Components of Frailty Using Administrative Data and Metabolite Profiling  **Award Start Date:** 7/1/2018  **Award End Date:** 6/30/2021  **Total Years:** 3  **Total Award Amount:** $231,000

**MASSACHUSETTS**

**Sui, Xuewu 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

**MASSACHUSETTS**

**Swirski, Filip 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
Tan, Can Ozan PhD
Program Type: Scientist Development Grant Institution: Spaulding Rehabilitation Hospital, Boston City: Boston Project Title: Chronic Spinal Cord Injury and Short-Term Control of Cerebral Blood Flow in Humans Award Start Date: 1/1/2015 Award End Date: 12/31/2018 Total Years: 4 Total Award Amount: $308,000

MASSACHUSETTS
Taranto Montemurro, Luigi MD, MD
Program Type: Postdoctoral Fellowship Institution: Brigham & Women's Hospital City: Boston Project Title: Effect of desipramine on obstructive sleep apnea severity in patients with poor pharyngeal muscle compensation Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $120,800

MASSACHUSETTS
Tessier, Shannon PhD, MSc
Program Type: Career Development Award Institution: Massachusetts General Hospital City: Boston Project Title: Whole heart suspended animation: leveraging the zebrafish to solve the organ shortage. Award Start Date: 7/1/2018 Award End Date: 6/30/2021 Total Years: 3 Total Award Amount: $231,000

MASSACHUSETTS
Trinquart, Ludovic 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
Tsaousidou, Eva 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
Valero Munoz, Maria BSC, PhD
Program Type: Postdoctoral Fellowship Institution: Boston University Medical Campus City: Boston Project Title: Translational regulators of adipose tissue in HFrEF Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $110,456
MASSACHUSETTS
Van Leyen, Klaus PhD
Program Type: Grant-in-Aid Institution: Massachusetts General Hospital City: Boston Project Title: Investigating Novel Mechanisms for Increased Hemorrhage Following Ischemia Award Start Date: 1/1/2017 Award End Date: 12/31/2018 Total Years: 2 Total Award Amount: $154,000

MASSACHUSETTS
Varghese, Frency BSC, BS
Program Type: Postdoctoral Fellowship Institution: University of Massachusetts Medical School City: Worcester Project Title: Combination CaMKIIα 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

MASSACHUSETTS
Vest, Amanda BSC, MBBS
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
Vlahakes, Gus MD
Program Type: Grant-in-Aid Institution: Massachusetts General Hospital City: Boston Project Title: Molecular reduction of ischemic ventricular remodeling following ring annuloplasty Award Start Date: 1/1/2016 Award End Date: 12/31/2018 Total Years: 3 Total Award Amount: $198,000

MASSACHUSETTS
Wainford, Richard BSC, PhD
Program Type: Grant-in-Aid Institution: Boston University Medical Campus City: Boston Project Title: Neural Control of the Kidney and Blood Pressure Regulation Award Start Date: 7/1/2017 Award End Date: 6/30/2019 Total Years: 2 Total Award Amount: $154,000

MASSACHUSETTS
Wainford, Richard BSC, PhD
Program Type: Mentor-AHA Mentee Award Institution: Boston University Medical Campus City: Boston Project Title: Award Start Date: 7/1/2016 Award End Date: 6/30/2019 Total Years: 3 Total Award Amount: $60,000

MASSACHUSETTS
Wasfy, Jason MD, MS
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  
**Watanabe, Shinya PhD**  
**Program Type:** Scientist Development Grant  
**Institution:** University of Massachusetts Medical School  
**City:** Worcester  
**Project Title:** Molecular mechanism of histone variant H2A.Z deposition by chromatin remodeling factors  
**Award Start Date:** 7/1/2016  
**Award End Date:** 6/30/2019  
**Total Years:** 3  
**Total Award Amount:** $231,000

MASSACHUSETTS  
**Weiner, Rory MD**  
**Program Type:** Scientist Development Grant  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Exercise-Induced Concentric Left Ventricular Hypertrophy: Pathophysiologic Implications and Potential Reversibility  
**Award Start Date:** 1/1/2015  
**Award End Date:** 12/31/2018  
**Total Years:** 4  
**Total Award Amount:** $308,000

MASSACHUSETTS  
**Weng, Jui-Hsia BS, MS**  
**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

MASSACHUSETTS  
**Weng, Lu-Chen PhD**  
**Program Type:** Postdoctoral Fellowship  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Leveraging Genomics to Identify Causal Risk Factors for Atrial Fibrillation  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $106,532

MASSACHUSETTS  
**Wu, Hao 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  
**Wu, Ona PhD**  
**Program Type:** Institute - Uncovering New Patterns Grant  
**Institution:** Massachusetts General Hospital
**City:** Boston  
**Project Title:** Curation and HARMonization of stroke imagING (CHARMING) Study  
**Award Start Date:** 4/2/2018  
**Award End Date:** 3/31/2019  
**Total Years:** 1  
**Total Award Amount:** $148,016

**MASSACHUSETTS**  
**Xing, Changhong BS, MS**  
**Program Type:** Scientist Development Grant  
**Institution:** Massachusetts General Hospital  
**City:** Boston  
**Project Title:** Neuronal production of lipocalin-2 as a help-me signal for gliovascular activation  
**Award Start Date:** 7/1/2015  
**Award End Date:** 6/30/2019  
**Total Years:** 4  
**Total Award Amount:** $308,000

**MASSACHUSETTS**  
**Yu, Mikyung 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**  
**Zhang, Kehan BS, BSE**  
**Program Type:** Predoctoral Fellowship  
**Institution:** Boston University, Boston  
**City:** Boston  
**Project Title:** Intercellular Junctions in Cardiomyocyte Mechanotransduction  
**Award Start Date:** 7/1/2017  
**Award End Date:** 6/30/2019  
**Total Years:** 2  
**Total Award Amount:** $53,688

**MASSACHUSETTS**  
**Zhang, Tracy/Yuanfan 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**  
**Zhang, Xian 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