Innovative Research Grant

**Accornero, Federica PhD**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: The Ohio State University  
City/State: Columbus, OH  
Project Title: Gene expression regulation in the remodeling heart  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $150,000

**Agnetti, Giulio PhD**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Johns Hopkins University School of Medicine  
City/State: Baltimore, MD  
Project Title: New Paradigms in Heart Proteotoxicity and Failure  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2017  
Total Years: 2  
Total Award Amount: $150,000

**anand, sudarshan PhD**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Oregon Health & Science University, Portland  
City/State: Portland, OR  
Project Title: Manipulating endothelial DNA repair to regulate angiogenesis  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $150,000

**Anderson, Cheryl BA,MPH**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: University of California, San Diego  
City/State: La Jolla, CA  
Project Title: Use of stable carbon and nitrogen isotopes to improve dietary assessment for cardiovascular disease prevention  
Award Start Date: 1/1/2016  
Award End Date: 6/30/2018  
Total Years: 2  
Total Award Amount: $138,523

**Autieri, Michael PhD**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Temple University  
City/State: Philadelphia, PA  
Project Title: Reduction of blood viscosity and turbulence by magnetic field reduces atherosclerosis  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $150,000

**Baker, Jason MD,MS**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Minneapolis Medical Research Foundation  
City/State: Minneapolis, MN  
Project Title: HIV-associated Myocardial Fibrosis  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $149,807

**Belin De Chantemele, Eric PhD**  
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Augusta University  
City/State: Augusta, GA  
Project Title: Leptin-induced, Adipocyte-derived Aldosterone Secretion: A New Risk Factor for Metabolic and Cardiovascular Complication  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2017  
Total Years: 2  
Total Award Amount: $150,000
Benkoski, Jason BS, PhD
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Johns Hopkins University School of Medicine  
City/State: Baltimore, MD  
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

Bernstein, Daniel MD, BS
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: Stanford University School of Medicine, Palo Alto  
City/State: Palo Alto, CA  
Project Title: Identifying the Functional Consequences of Mitochondrial Heterogeneity  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $150,000

Boisvert, William BS, MS
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: University of Hawaii  
City/State: Honolulu, HI  
Project Title: Cholesterol crystals generated by endothelial cells may initiate atherogenesis  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2017  
Total Years: 2  
Total Award Amount: $150,000

Buford, Thomas PhD
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: University of Florida, Gainesville  
City/State: Gainesville, FL  
Project Title: Wearable technology to reduce sedentary behavior and CVD risk in older adults  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2017  
Total Years: 2  
Total Award Amount: $150,000

Caron, Kathleen PhD
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: University of North Carolina, Chapel Hill  
City/State: Chapel Hill, NC  
Project Title: Role of Cardiac Lymphatics in Resolution of Myocardial Edema and Injury  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2017  
Total Years: 2  
Total Award Amount: $149,998

Castro, Carlos PhD
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: The Ohio State University  
City/State: Columbus, OH  
Project Title: A Molecular Biophysical Approach for Studying Transvascular Function In Vitro  
Award Start Date: 1/1/2017  
Award End Date: 12/31/2018  
Total Years: 2  
Total Award Amount: $150,000

Chauhan, Anil PhD, MT
Program Type: Innovative Research Grant  
Funding Source: Association Wide  
Institution: University of Iowa, Iowa City  
City/State: Iowa City, IA  
Project Title: Targeting pyruvate kinase M2: A novel antiplatelet strategy to prevent thrombosis  
Award Start Date: 1/1/2016  
Award End Date: 12/31/2017  
Total Years: 2  
Total Award Amount: $150,000

Cherepanova, Olga PhD
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<th>Institution</th>
<th>City/State</th>
<th>Project Title</th>
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<th>Award End Date</th>
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<td>University of Virginia, Charlottesville</td>
<td>Charlottesville, VA</td>
<td>Role of the pluripotency factor OCT4 in endothelial cells during atherosclerosis development</td>
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<td>Massachusetts General Hospital</td>
<td>Boston, MA</td>
<td>Targeting the Over Active Carotid Body</td>
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<td>University of California, San Francisco</td>
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<td>Transcriptional Heart Maps for Deciphering Mechanism in the Inherited Cardiomyopathies</td>
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<td>Cedars-Sinai Medical Center</td>
<td>Los Angeles, CA</td>
<td>The Auto-immuneome in Coronary Artery Disease</td>
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<td>Association Wide</td>
<td>University of Missouri, Columbia</td>
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<td>Conversion of reactive astrocytes into neurons after ischemia by forced expression of NAMPT</td>
<td>1/1/2016</td>
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<td>Durante, William PhD</td>
<td>Innovative Research Grant</td>
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<td>University of Missouri, Columbia</td>
<td>Columbia, MO</td>
<td>Glutamine-derived ammonia and endothelial dysfunction in diabetes</td>
<td>1/1/2017</td>
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<td>University of Virginia, Charlottesville</td>
<td>Charlottesville, VA</td>
<td>Role of the pluripotency factor OCT4 in endothelial cells during atherosclerosis development</td>
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<td>12/31/2018</td>
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<td>University of Nevada, Reno</td>
<td>Reno, NV</td>
<td>Novel mechanism of brain prorenin and (pro)renin receptor in neural regulation of type 2 diabetes mellitus</td>
<td>1/1/2017</td>
<td>12/31/2018</td>
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<td>University of Southern California</td>
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<td>TESLA-Stroke: Transcutaneous Electrical Stimulation for Locomotor Ability after Stroke</td>
<td>1/1/2017</td>
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<td>Rutgers, The State University of New Jersey, RBHS</td>
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<td>A novel In-vivo platform of pluripotent stem cell differentiation unveils epimorphic changes in adult hearts</td>
<td>1/1/2016</td>
<td>12/31/2017</td>
<td>2</td>
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<td>Louisiana State University Health Sciences Center Shreveport</td>
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<td>A Novel Role For Neutrophils in Sickle Cell Disease: New Avenues To Target Cerebral Microvascular Dysfunction</td>
<td>1/1/2016</td>
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<td>University of Texas Southwestern Medical Center</td>
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<td>Investigation of the role of smooth-muscle cells in ischemia with magnetic force</td>
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<td>6/30/2018</td>
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<td>Cedars-Sinai Medical Center</td>
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<td>Fostering Angiogenesis as Therapy for Cerebral Ischemia in ICAS</td>
<td>1/1/2016</td>
<td>6/30/2018</td>
<td>2</td>
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<td>Yale University</td>
<td>New Haven, CT</td>
<td>Understanding the secretory language of stem cells to create an informed cell-free method to treat myocardial infarction</td>
<td>1/1/2016</td>
<td>12/31/2017</td>
<td>2</td>
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American Heart Association
Awardees by Program Type
Last Update: February 2017

Institution: University of Arizona, Tucson  City/State: Tucson, AZ  Project Title: The Spy-C method for in situ replacement of cMyBP-C in cardiac sarcomeres  Award Start Date: 1/1/2017  Award End Date: 12/31/2018  Total Years: 2  Total Award Amount: $150,000

Hong, Tingting  PhD,MD  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Cedars-Sinai Medical Center  City/State: Los Angeles, CA  Project Title: Plasma BIN1 is a marker of cardiac electrical stability  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Huang, Yun  PhD,MS  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Texas A&M University Health Science Center  City/State: College Station, TX  Project Title: Role of TET proteins during cardiac lineage specification  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Keeley, Ellen  BS,MD  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of Virginia, Charlottesville  City/State: Charlottesville, VA  Project Title: Fibrocytes and Myocardial Scarring after Acute Myocardial Infarction  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Kheradvar, Arash  MD,PhD  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of California, Irvine  City/State: Irvine, CA  Project Title: Ultrasound-Guided Delivery System for Accurate Positioning/Repositioning of Transcatheter Aortic Valves  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

King, Kevin  MD PhD,PhD  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Massachusetts General Hospital  City/State: Boston, MA  Project Title: Dissecting Cell-communication in Ischemic Cardiomyopathy using Single Cell Analysis  Award Start Date: 1/1/2017  Award End Date: 12/31/2018  Total Years: 2  Total Award Amount: $150,000

Lechleiter, James  PhD  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of Texas Health Science Center at San Antonio  City/State: San Antonio, TX  Project Title: Novel thyroid hormone-like neuroprotectants for stroke  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Liew, Sook-Lei  PhD,MA  
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of Southern California  City/State: Los Angeles, CA  Project Title: REINVENT: A Closed-Loop VR Neurofeedback System for Motor Recovery after Severe Stroke  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $149,446
American Heart Association
Awardees by Program Type
Last Update: February 2017

Mikkola, Hanna MD PhD
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: University of California, Los Angeles City/State: Los Angeles, CA Project Title: Enhancer RNAs in cardiovascular lineage choice Award Start Date: 1/1/2016 Award End Date: 12/31/2017 Total Years: 2 Total Award Amount: $150,000

Mofrad, Mohammad PhD
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: University of California, Berkeley City/State: Berkeley, CA Project Title: Quantified Heart Valve (QHV): A new intelligent class of passive, wireless medical devices Award Start Date: 1/1/2016 Award End Date: 12/31/2017 Total Years: 2 Total Award Amount: $150,000

Mungrue, Imran PhD,BSC
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: Louisiana State University, New Orleans City/State: New Orleans, LA Project Title: A novel method for Rapid Simultaneous Proteome Quantitation in biological samples Award Start Date: 1/1/2016 Award End Date: 12/31/2017 Total Years: 2 Total Award Amount: $150,000

Neelamegham, Sriram PhD
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: Research Foundation of SUNY City/State: Amherst, NY Project Title: Targeting cellular therapeutics in a pre-clinical model of myocardial infarction Award Start Date: 1/1/2016 Award End Date: 12/31/2017 Total Years: 2 Total Award Amount: $150,000

Page, David MD
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: Whitehead Institute for Biomedical Research, Cambridge City/State: Cambridge, MA 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

Papavasilisou, Georgia PhD
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: Illinois Institute of Technology, Chicago City/State: Chicago, IL Project Title: Controlled Peptide Co-delivery from Hydrogel Nanoparticle Matrices for Therapeutic Neovascularization of Ischemic Tissue Award Start Date: 1/1/2016 Award End Date: 12/31/2017 Total Years: 2 Total Award Amount: $149,993

Pinto, Alexander BS,PhD
Program Type: Innovative Research Grant Funding Source: Association Wide
Institution: The Jackson Laboratory City/State: Bar Harbor, ME 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
Pluznick, Jennifer BA, PhD
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Johns Hopkins University School of Medicine  City/State: Baltimore, MD  Project Title: Gut Microbial Metabolites and Hypertension  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Prisby, Rhonda PhD, MA
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of Delaware  City/State: Newark, DE  Project Title: Inflammatory Cytokines, Bone Marrow Blood Vessel Ossification and Ossified Emboli  Award Start Date: 1/1/2016  Award End Date: 6/30/2018  Total Years: 2  Total Award Amount: $149,897

Pu, William MD
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Boston Children's Hospital  City/State: Boston, MA  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

Ramamurthi, Anand PhD, MS
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Cleveland Clinic Foundation  City/State: Cleveland, OH  Project Title: Minimally Invasive Regenerative Therapy for Small Abdominal Aortic Aneurysms  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Reiter, Jeremy MD PhD
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of California, San Francisco  City/State: San Francisco, CA  Project Title: Endothelial Primary Cilia Protect Against Atherosclerosis  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Rezvan, Amir MD, MS
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Emory University, Atlanta  City/State: Atlanta, GA  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

Richter, Wito PhD
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: University of South Alabama, Mobile  City/State: Mobile, AL  Project Title: Regulation of PDE4 in heart failure  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000

Rittenberger, Jon MD, MS
Program Type: Innovative Research Grant  Funding Source: Association Wide
### American Heart Association

#### Awardees by Program Type

**Last Update: February 2017**

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<th>Institution</th>
<th>City/State</th>
<th>Project Title</th>
<th>Award Start Date</th>
<th>Award End Date</th>
<th>Total Years</th>
<th>Total Award Amount</th>
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<td>University of Pittsburgh</td>
<td>Pittsburgh, PA</td>
<td>Therapeutic exercise to improve 12-month quality of life after cardiac arrest</td>
<td>1/1/2017</td>
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<td>Program Type: Innovative Research Grant</td>
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<td>Role of gut microbiota derived short chain fatty acids in pediatric obesity</td>
<td>1/1/2016</td>
<td>12/31/2017</td>
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<td>Project Title: Role of gut microbiota derived short chain fatty acids in pediatric obesity</td>
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<td>Project Title: Role of gut microbiota derived short chain fatty acids in pediatric obesity</td>
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<td>Singh, Madhu PhD,MSc</td>
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<td>Program Type: Innovative Research Grant</td>
<td>Funding Source: Association Wide</td>
<td>TRIF-Dependent Innate Immune Pathways in Ang II Hypertension</td>
<td>1/1/2016</td>
<td>12/31/2017</td>
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<td>Project Title: TRIF-Dependent Innate Immune Pathways in Ang II Hypertension</td>
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<td>Project Title: Role of gut microbiota derived short chain fatty acids in pediatric obesity</td>
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<td>Award End Date: 12/31/2017 Total Years: 2 Total Award Amount: $150,000</td>
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<td>Voora, Deepak MD</td>
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<td>Funding Source: Association Wide</td>
<td>Ex vivo metabolomic profiling of statin-induced myopathy</td>
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<tr>
<td>Project Title: Ex vivo metabolomic profiling of statin-induced myopathy</td>
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<td>Wang, Da-Zhi PhD,BS</td>
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Zare, Richard PhD
Program Type: Innovative Research Grant  Funding Source: Association Wide
Institution: Stanford University, Stanford  City/State: Stanford, CA  Project Title: Monitoring Nanoparticle-Mediated Angiogenesis Using Mass Spectrometry Imaging  Award Start Date: 1/1/2016  Award End Date: 12/31/2017  Total Years: 2  Total Award Amount: $150,000