



American Heart Association Awardees by Program Type

Last Update: August 2019

Collaborative Sciences Award

Antonio Abbate, MD, PhD

Program Type: Collaborative Sciences Award **Institution:** Virginia Commonwealth University, Richmond **City/State:** Richmond, VA **Project Title:** Interleukin-1 Blockade for Treatment of Cardiac Sarcoidosis **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$63,309

Mark Anderson, MD, PhD

Program Type: Collaborative Sciences Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Eric Appel, PhD

Program Type: Collaborative Sciences Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Patient- and Disease-Specific Exosomes for Precision Therapeutics of Heart Failure **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$100,000

Daniel Bernstein, MD, BS

Program Type: Collaborative Sciences Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Alterations in Mechanosensing and Telomere Homeostasis Impact Progression of Dilated Cardiomyopathy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$150,000

Helen Blau, PhD, MA, BA

Program Type: Collaborative Sciences Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Alterations in Mechanosensing and Telomere Homeostasis Impact Progression of Dilated Cardiomyopathy **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$450,000

Simon Body, MB ChB

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



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Scott Cameron, MD, PhD, MS, BSC

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

Shuibing Chen, PhD

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

Phillip Cuculich, MD, MD, MD

Program Type: Collaborative Sciences Award **Institution:** Washington University **City/State:** Saint Louis, MO **Project Title:** EP-Guided Noninvasive Cardiac Radioablation for Ventricular Tachycardia (ENCORE-VT) **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$140,793

Federica Del Monte, MD, PhD

Program Type: Collaborative Sciences Award **Institution:** Beth Israel Deaconess Medical Center **City/State:** Boston, MA **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

Todd Evans, PhD

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

Omid Farokhzad, MD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City/State:** Boston, MA **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

Andrew Fire, PhD

Program Type: Collaborative Sciences Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Patient- and Disease-Specific Exosomes for Precision Therapeutics of Heart Failure **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$140,000



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Daniel Freeman, PhD

Program Type: Collaborative Sciences Award **Institution:** The Charles Stark Draper Laboratory, Inc. **City/State:** Tampa, FL **Project Title:** Miniature Wireless Neuromodulation for the Treatment of Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$62,160

Ketan Ghaghada, PhD

Program Type: Collaborative Sciences Award **Institution:** Baylor College of Medicine, Houston **City/State:** Houston, TX **Project Title:** Early Detection of Aortic Degeneration Using Nanoparticle Contrast-enhanced CT Imaging **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$378,347

Marc Halterman, PhD, MD

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

David Harrison, PhD

Program Type: Collaborative Sciences Award **Institution:** The Jackson Laboratory **City/State:** Bar Harbor, ME **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

Gerald Hart, PhD

Program Type: Collaborative Sciences Award **Institution:** Johns Hopkins University School of Medicine **City/State:** Baltimore, MD **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

Heather Hayenga, BS, PhD

Program Type: Collaborative Sciences Award **Institution:** University of Texas, Dallas **City/State:** Richardson, TX **Project Title:** Optically Modulation of Blood-Brain Barrier Tight Junctions by Molecular Hyperthermia **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$184,506

Leigh Hochberg, MD, PhD

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



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Ulrike Hoffmann, MD, PhD

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

W Gregory Hundley, MD

Program Type: Collaborative Sciences Award **Institution:** Virginia Commonwealth
University, Richmond **City/State:** Richmond, VA **Project Title:** Interleukin-1 Blockade for
Treatment of Cardiac Sarcoidosis **Award Start Date:** 7/1/2019 **Award End Date:**
6/30/2022 **Total Years:** 3 **Total Award Amount:** \$43,608

Jennifer Jordan, BS, PhD, MS

Program Type: Collaborative Sciences Award **Institution:** Virginia Commonwealth
University, Richmond **City/State:** Richmond, VA **Project Title:** Interleukin-1 Blockade for
Treatment of Cardiac Sarcoidosis **Award Start Date:** 7/1/2019 **Award End Date:**
6/30/2022 **Total Years:** 3 **Total Award Amount:** \$143,049

Rakez Kayed, PhD

Program Type: Collaborative Sciences Award **Institution:** The University of Texas
Medical Branch **City/State:** Galveston, TX **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:** \$264,000

W. Taylor Kimberly, MD, PhD

Program Type: Collaborative Sciences Award **Institution:** Massachusetts General
Hospital **City/State:** Boston, MA **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

Jordana Kron, MD

Program Type: Collaborative Sciences Award **Institution:** Virginia Commonwealth
University, Richmond **City/State:** Richmond, VA **Project Title:** Interleukin-1 Blockade for
Treatment of Cardiac Sarcoidosis **Award Start Date:** 7/1/2019 **Award End Date:**
6/30/2022 **Total Years:** 3 **Total Award Amount:** \$500,034

Scott Lemaire, MD

Program Type: Collaborative Sciences Award **Institution:** Baylor College of Medicine,
Houston **City/State:** Houston, TX **Project Title:** Early Detection of Aortic Degeneration
Using Nanoparticle Contrast-enhanced CT Imaging **Award Start Date:** 7/1/2019 **Award
End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$185,800



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Peter Libby, MD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital
City/State: Boston, MA **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

Josh Lipschutz, MD

Program Type: Collaborative Sciences Award **Institution:** Medical University of South
Carolina **City/State:** Charleston, SC **Project Title:** Genetic and Molecular Determinants
of Bicuspid and Calcific Aortic Valve Disease **Award Start Date:** 7/1/2017 **Award End
Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$200,000

Craig Morrell, DVM, PhD

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

Ivan Moskowitz, PhD, MD

Program Type: Collaborative Sciences Award **Institution:** University of Chicago
City/State: Chicago, IL **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

Bradley Nilsson, PhD

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

Russell Norris, PhD

Program Type: Collaborative Sciences Award **Institution:** Medical University of South
Carolina **City/State:** Charleston, SC **Project Title:** Genetic and Molecular Determinants
of Bicuspid and Calcific Aortic Valve Disease **Award Start Date:** 7/1/2017 **Award End
Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$253,000

Beth Pruitt, PhD, BS, MS

Program Type: Collaborative Sciences Award **Institution:** Stanford University, Stanford
City/State: Stanford, CA **Project Title:** Alterations in Mechanosensing and Telomere
Homeostasis Impact Progression of Dilated Cardiomyopathy **Award Start Date:**
7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$150,000



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Zhenpeng Qin, BS, MS, PhD

Program Type: Collaborative Sciences Award **Institution:** University of Texas, Dallas
City/State: Richardson, TX **Project Title:** Optically Modulation of Blood-Brain Barrier
Tight Junctions by Molecular Hyperthermia **Award Start Date:** 7/1/2019 **Award End
Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$340,494

Subha Raman, MD

Program Type: Collaborative Sciences Award **Institution:** The Ohio State University
City/State: Columbus, OH **Project Title:** Brown adipose tissue as a therapeutic for
diabetes-induced cardiovascular disease **Award Start Date:** 7/1/2017 **Award End Date:**
6/30/2020 **Total Years:** 3 **Total Award Amount:** \$125,000

Clifford Robinson, BS, MD

Program Type: Collaborative Sciences Award **Institution:** Washington University
City/State: Saint Louis, MO **Project Title:** EP-Guided Noninvasive Cardiac Radioablation
for Ventricular Tachycardia (ENCORE-VT) **Award Start Date:** 7/1/2019 **Award End Date:**
6/30/2022 **Total Years:** 3 **Total Award Amount:** \$596,185

Mario Romero-Ortega, PhD

Program Type: Collaborative Sciences Award **Institution:** University of Texas, Dallas
City/State: Richardson, TX **Project Title:** Miniature Wireless Neuromodulation for the
Treatment of Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021
Total Years: 3 **Total Award Amount:** \$561,165

Matthew Rosen, BS, PhD

Program Type: Collaborative Sciences Award **Institution:** Massachusetts General
Hospital **City/State:** Boston, MA **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

Alexander Ruthenburg, PhD, BA

Program Type: Collaborative Sciences Award **Institution:** University of Chicago
City/State: Chicago, IL **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

Ying Shen, PhD, MD

Program Type: Collaborative Sciences Award **Institution:** Baylor College of Medicine,
Houston **City/State:** Houston, TX **Project Title:** Early Detection of Aortic Degeneration
Using Nanoparticle Contrast-enhanced CT Imaging **Award Start Date:** 7/1/2019 **Award
End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$185,800



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Kevin Sheth, BA, MD

Program Type: Collaborative Sciences Award **Institution:** Yale University **City/State:** New Haven, CT **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:** \$401,589

Scott Smith, PhD

Program Type: Collaborative Sciences Award **Institution:** University of Texas Southwestern Medical Center **City/State:** Dallas, TX **Project Title:** Miniature Wireless Neuromodulation for the Treatment of Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$63,166

Janet Snell-Bergeon, PhD

Program Type: Collaborative Sciences Award **Institution:** University of Colorado Denver **City/State:** Denver, CO **Project Title:** DISCOVERY AND VALIDATION OF BIOMARKERS OF CARDIOVASCULAR COMPLICATIONS IN TYPE 1 DIABETES **Award Start Date:** 7/1/2017 **Award End Date:** 6/30/2020 **Total Years:** 3 **Total Award Amount:** \$253,338

Kristin Stanford, PhD

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

Kristy Townsend, PhD

Program Type: Collaborative Sciences Award **Institution:** University of Maine **City/State:** Orono, ME **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

Wanpen Vongpatanasin, MD

Program Type: Collaborative Sciences Award **Institution:** University of Texas Southwestern Medical Center **City/State:** Dallas, TX **Project Title:** Miniature Wireless Neuromodulation for the Treatment of Hypertension **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$63,166

Conor Walsh, BS, MS, PhD

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



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Quinn Wells, BS, PharmD, MD

Program Type: Collaborative Sciences Award **Institution:** Vanderbilt University Medical Center **City/State:** Nashville, TN **Project Title:** Identification of Genetic Variants Associated with Anthracycline-related Cardiotoxicity **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2021 **Total Years:** 3 **Total Award Amount:** \$374,999

Phillip Yang, MD

Program Type: Collaborative Sciences Award **Institution:** Stanford University, Stanford **City/State:** Stanford, CA **Project Title:** Patient- and Disease-Specific Exosomes for Precision Therapeutics of Heart Failure **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$510,000

Wei Yang, BS, MS, PhD

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

Junjie Yao, PhD

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

Mikyung Yu, PhD

Program Type: Collaborative Sciences Award **Institution:** Brigham & Women's Hospital **City/State:** Boston, MA **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

Qibin Zhang, PhD

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



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Jiangbing Zhou, PhD

Program Type: Collaborative Sciences Award **Institution:** Yale University **City/State:** New Haven, CT **Project Title:** Optically Modulation of Blood-Brain Barrier Tight Junctions by Molecular Hyperthermia **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2022 **Total Years:** 3 **Total Award Amount:** \$225,000

Mark Ziolo, PhD

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