



## American Heart Association Awardees by Program Type

Last Update: August 2019

### Institute - AI and ML

#### **Deeptankar Demazumder, MD, PhD, BS**

**Program Type:** Institute - AI and ML **Institution:** University of Cincinnati **City/State:** Cincinnati, OH **Project Title:** Critical Health Assessment & Outcomes Study/Score in the cardiovascular ICU (CHAOS-ICU) **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$200,000

#### **Ahmed Fahmy, PhD**

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

#### **C Alberto Figueroa, PhD**

**Program Type:** Institute - AI and ML **Institution:** University of Michigan Medical Center **City/State:** Ann Arbor, MI **Project Title:** A Cloud-computing Machine Learning and Computational Fluid Dynamics Framework for Assessment of Coronary Disease **Award Start Date:** 7/1/2019 **Award End Date:** 6/30/2021 **Total Years:** 2 **Total Award Amount:** \$200,000

#### **Jane Leopold, MD**

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

#### **Ramaraju Rudraraju, PhD, MS, BS**

**Program Type:** Institute - AI and ML **Institution:** University of Alabama at Birmingham **City/State:** Birmingham, AL **Project Title:** MACHINE LEARNING FOR PREDICTING MECHANICAL CIRCULATORY SUPPORT OUTCOMES **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$198,854



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**Suchi Saria, PhD**

**Program Type:** Institute - AI and ML **Institution:** Johns Hopkins University **City/State:** Baltimore, MD **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

**Chun Yuan, PhD**

**Program Type:** Institute - AI and ML **Institution:** University of Washington, Seattle **City/State:** Seattle, WA **Project Title:** Automated Vessel Wall Screening to Predict Cardiovascular Risk **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$199,492

**Gengsheng Zeng, PhD**

**Program Type:** Institute - AI and ML **Institution:** University of Utah **City/State:** Salt Lake City, UT **Project Title:** Sub-second image reconstruction for real-time cardiac MRI via machine-learning with complex weights **Award Start Date:** 7/1/2018 **Award End Date:** 6/30/2020 **Total Years:** 2 **Total Award Amount:** \$200,000