

2018 Research Update:

The Foundation's research grants to Principal Investigator Dr. Roselle Abraham, now at the University of California, San Francisco, continue to yield results, with three scientific publications appearing in prestigious journals to date this year. Several additional invited or accepted papers will be published as well. The following papers acknowledging Foundation support have been published in 2018; they describe important advances across a wide range of areas from biomarkers, imaging, and genetics to energetics, arrhythmia, and software analytics for assessing clinical data:

- American Journal of Cardiology, 2018 May 1, "Stress Myocardial Blood Flow Heterogeneity Is a Positron Emission Tomography Biomarker of Ventricular Arrhythmias in Patients with Hypertrophic Cardiomyopathy."
- JCI (The Journal of Clinical Investigation) Insight, 2018 Mar 22. "Allele-specific differences in transcription, miRNome, and mitochondrial function in two hypertrophic cardiomyopathy mouse models."
- Journal of Nuclear Cardiology, 2018 Feb. 8, "Comparison of two software systems for quantification of myocardial blood flow in patients with hypertrophic cardiomyopathy."

In addition to these publications, four additional papers are in the publication process. Dr. Abraham and colleagues are authoring an invited paper titled "Redox regulation of pro-fibrotic gene expression in cardiac myocytes is mediated by microRNA-29." Papers have also been accepted, pending ongoing revisions, in the Journal of the American Society of Echocardiography, the Journal of Nuclear Cardiology, and the Journal of American College of Cardiology – Clinical Electrophysiology.