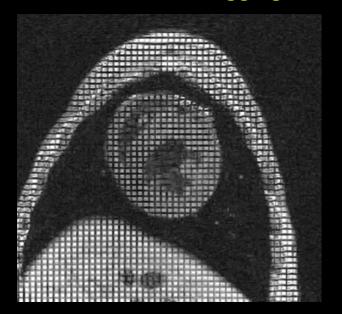
Cardiac Imaging for Precision Medicine Elliot McVeigh, PhD

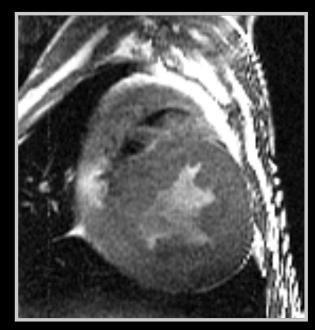
Professor of Bioengineering, Medicine, Radiology *University of California San Diego*

Conflicts: Dr. McVeigh is an inventor on licensed US patents for real-time MRI and interventional devices. Dr. McVeigh is a co-founder and shareholder of MR Interventions Inc. Dr. McVeigh's funding, career advancement and livelihood depends on publishing positive results

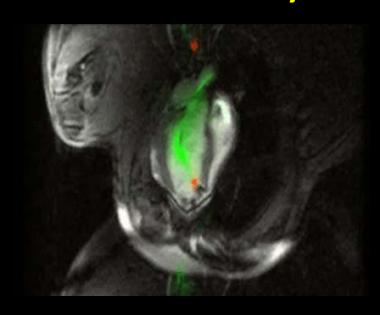
LV function with tagging



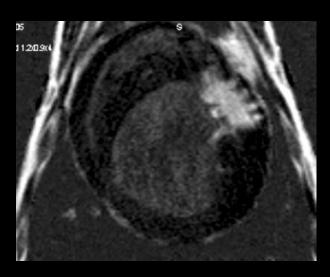
MR Guided Ablation



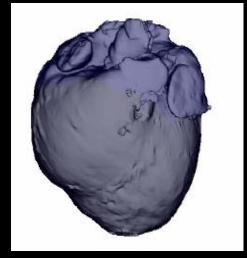
MR Guided Catheter Injection



High Resolution Infarct Imaging

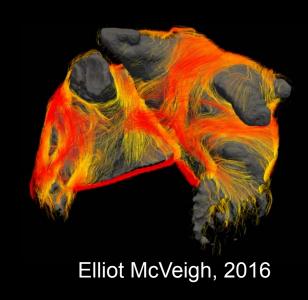


Arrhythmia Prediction



Trayanova et al

DTI for Atrial Fiber Maps

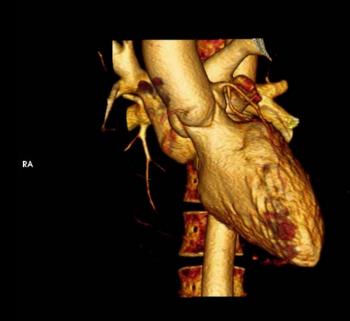


Coronary CT Angiography



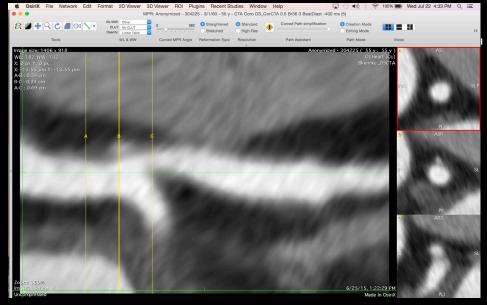








(the *ultimate* phenotyping)



WL: 500 WW: 500



A

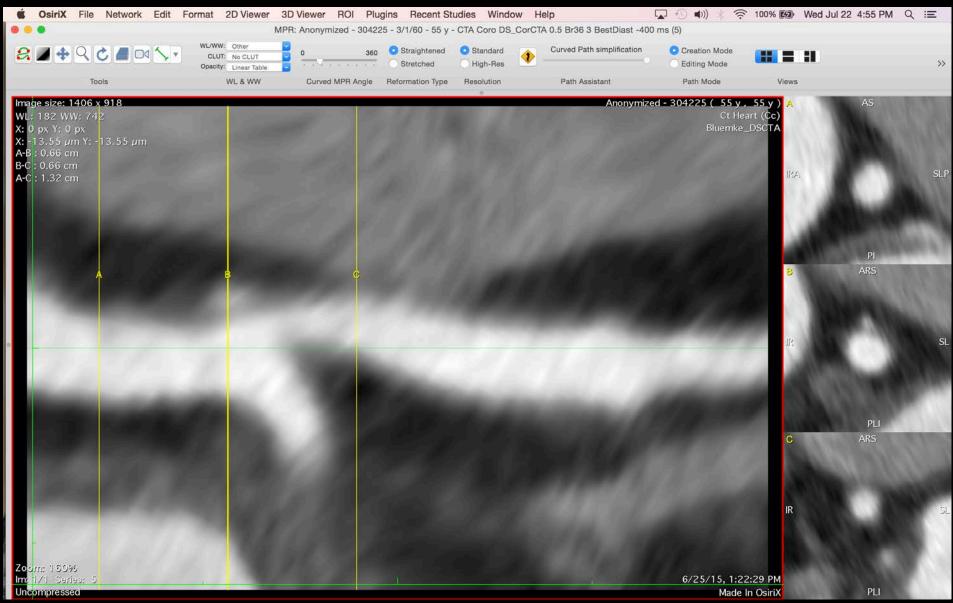
Coronary CT LV function + LA function



LP



Coronary CT Angiography



Coronary CT Angiography

