

Report of Funded and Unfunded Projects

Clinical Research

- 2/2015 – **Student Research Associate** IRB approved retrospective study using cardiac MRI to assess for a pattern of viability and dysfunction in various types of heart failure
5/2016 PI, Javed Butler, MD
Stony Brook Medicine
- 7/2018 – **Clinical and Research Fellow** Biorepository Studying the Relationship Between Biomarkers and Heart Failure (PREFER-HF Registry):
present PI, Hanna Gaggin, MD MPH Prospective evaluation of the relationship between serial biomarker measurements and echocardiographic features in patients with heart failure
Division of Cardiology
Massachusetts General Hospital
- 6/2020 – **Clinical and Research Fellow** Massachusetts General Hospital Cardiovascular
present PIs, Ami Bhatt, MD and Jagmeet Singh Telemedicine Registry (MGH CTR); IRB approved retrospective study to investigate predictors of telemedicine use with the goals of reducing barriers and increasing access to virtual care
MD PhD
Division of Cardiology
Massachusetts General Hospital

Basic/Translational Research

- 10/2007 – **Senior Research Technician** Study the temporal and spatial dynamics of marker
7/2012 PI, Ann C. Foley, PhD expression using novel genome edited mouse embryonic stem cells (ESc) in order to elucidate the extraembryonic signals that control cardiogenesis, chamber specificity, and sinoatrial node formation during cardiomyocyte differentiation.
Weill Cornell Medical College
- 8/2013 – **Student Research Associate** Investigate the contractile potential and syncytial
8/2014 PI, Jianchang Yang, MD PhD contribution of cardiac stem/progenitor cells isolated from adult mouse heart tissue to provide stem cell based regenerative therapies for infarcted cardiac tissue, arrhythmias, and heart failure
Stony Brook University Hospital
- 9/2016 – **Postdoctoral Research Associate** Investigate the role of modified RNA as a novel gene
6/2018 PI, Lior Zangi, PhD transfer system in the reactivation of cardiomyocyte proliferation, cardiac regeneration, as well as the de novo production of cardiomyocytes to rescue systolic function post myocardial infarct and in congestive heart failure
Icahn School of Medicine at Mount Sinai
- 12/2019 – **Postdoctoral Fellow** Use of novel, high-throughput genomics (including single
present PI, Jon and Christine Seidman, MD cell/nuclear RNA sequencing, quantitative RNA in situ hybridization) to transcriptionally profile pathologic human and mouse heart tissue. This will guide our understanding of the cardiac microarchitecture and the spatiotemporal signaling of cardiomyocytes and non-

myocytes and will shed light on the biomechanics of inherited and acquired cardiomyopathy, with the overall aim of discovering novel molecular targets needed for drug development.