In Person Lecture: Deciphering the Metabolic Origins of Heart Failure: Towards Novel Therapeutic Targets

During the development of heart failure, the myocardium undergoes fuel metabolic reprogramming that reduces the capacity for ATP production. This ultimately leads to an “energy starvation” that contributes to the pathogenesis of heart failure. The Kelly Lab has delineated the transcriptional regulatory circuitry that controls mitochondria function and fuel oxidation in the developing heart. In addition, metabolomic and proteomic profiling has identified nodal points for re-balancing the metabolic derangements of the failing heart. Dr. Kelly’s presentation will cover these topics.