

# PIONEERS IN BIOMEDICAL RESEARCH SEMINAR

Presented by the Fralin Biomedical Research Institute at VTC and co-sponsored by the institute's Center for Vascular and Heart Research



DANIEL KELLY, Ph.D.

Willard and Rhoda Ware Professor  
Director, Penn and CHOP Cardiovascular Institutes  
Perelman School of Medicine  
University of Pennsylvania  
Children's Hospital of Philadelphia

## *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.

FRIDAY, MARCH 22, at 11 a.m.

Room R3012, 2 Riverside Circle  
Watch live via Zoom at <https://FralinBioMed.info/PBR-Join>



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