AHA SUMMER UNDERGRADUATE RESEARCH PROGRAM IN CARDIOVASCULAR SCIENCES

Research Symposium

THURSDAY, AUGUST 3 // 9-10AM // BST 1295 CONFERENCE ROOM

Featuring the following presentations by SURP students:

**Eric M. Cecco**

*The Effect of Oxygen on Nitrite Reduction to Nitric Oxide by the Mitochondrial Molybdopterin Enzyme mARC2*

Exploring the role of mARC-2 in hypoxic nitrite-dependent nitric oxide signaling, a new aspect of the mammalian nitrite pathway

**Lauren Voltz**

*The Role of PINK1 in Pulmonary Arterial Hypertension*

Investigating the mechanisms through which PINK1 modulates endothelial cell function and mitochondrial respiration, as well as protecting against injury and vascular remodeling in PAH

**Arnab Ray**

*TSC2 in Pulmonary Hypertension*

Exploring the PAH-specific mechanisms inducing deficiency of growth suppressor TSC2, an important player in the mTOR pathway, and increased growth of human pulmonary arterial vascular smooth muscle cells

**Rohan Shah**

*Post-translational Regulation of Proteins in the sGC Pathway*

Examining the regulation of soluble guanylate cyclase and cytochrome bS reductase 3 and its consequences on the vasculature

**Eric Hyzny**

*Endothelial Cell Telomerase Function in Pulmonary Arterial Hypertension*

A new role for telomerase in influencing the aberrant proliferative phenotype of endothelial cells in pulmonary hypertension

Sponsored by:

All are welcome

Breakfast will be served

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