The Robert M. Berne Cardiovascular Research Center Presents

Brant Isakson, PHD

Affiliation: Associate Professor
Department of Molecular Physiology and Biological Physics, Resident faculty member of the Robert M. Berne Cardiovascular Research Center. University of Virginia, Charlottesville VA

Endothelial cell alpha hemoglobin in hypoxia

Mammals compensate for local hypoxia in the systemic circulation by vasodilating resistance arteries to increase blood flow to affected organs. Using novel mouse models of alpha hemoglobin developed by our lab, I will provide evidence that endothelial cell alpha hemoglobin can act as a nitrite reductase to locally produce nitric oxide. This work may explain the observed hypoxic adaption observed in patients with alpha thalassemia, independent of anemia.

Thursday December 17th, 2020
11:00 AM-12:00 PM
Zoom

Contact:
Mary Sheffer
Program Administrator
CVRC, UVA
MR5 1010
PO Box 801394
Charlottesville, VA 22908
434-243-9943
Mt3kx@virginia.edu