The Robert M. Berne Cardiovascular Research Center Presents

Joshua Drake, Post-Doctoral Fellow

Mitochondrial Quality and Stress Signaling: Location, Location, Location

Mitochondria are essential organelles for energy production and their quality is intimately connected to our physical performance and susceptibility to the development of chronic disease and, thus, our healthspan. As mitochondria become damaged due to environmental stressors or as a consequence of time, for example, damaged mitochondria must be removed and degraded to maintain and/or improve overall quality, through a process called mitophagy. My work has elucidated a mechanism by which exercise promotes mitophagy in skeletal muscle through the energetic sensor AMPK that is spatially distinct to mitochondria and may have implications for how we interpret systemic mitochondrial stress response.

Thursday May 11, 2017
11:00 AM-12:00 PM
MR5 3005

Hosted By: Zhen Yan, PhD
Refreshments Served