Weekly Seminar

1:25 pm - 2:15 pm
Friday, April 7, 2017
Heritage Hall - Room 125

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“Transcriptional Regulators of Skeletal Muscle Mitochondrial Function and their Role in Exercise-Induced Adaptions”

Exercise has been shown to be the best intervention in the treatment of many diseases. Many of the benefits of exercise are mediated by adaptations induced in skeletal muscle. The peroxisome proliferator-activated receptor gamma coactivator-1 (PGC-1) family of transcriptional coactivators has emerged as being key mediators of the exercise response and is considered to be essential for many of the adaptations seen in skeletal muscle. Here we evaluate skeletal muscle loss of function models of PGC-1s to determine their contributions to skeletal muscle mitochondrial function as well as exercise-induced adaptations.