



Discovery Science
Emerging Scholars Lecture

“Novel Regulators of Obesity-Induced Insulin Resistance and Diabetes”



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Further investigation is needed to understand the molecular players involved in obesity-induced insulin resistance. We have utilized a dietary switch mouse model to perform transcriptomics of the skeletal muscle, and compared these findings with RNA-seq of human obese-diabetic muscle. This multispecies approach identified key genes that tracked with the insulin resistant state in both mouse and human muscle, including Cysteine and glycine-rich protein 3 (Csrp3). Csrp3 expression is decreased in obese-insulin resistant muscle and plays an important role in insulin-stimulated glucose uptake.

Thursday

December 6, 2018

9:30 a.m.

206 Preston Research Building

This lecture series features the most promising young scientists who are making notable discoveries as postdoctoral fellows or early career faculty.

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