



CENTER FOR
INTEGRATED
BIOSYSTEMS

Nutrition & Food Sciences

Presents a joint seminar by

Dr. Mike Lefevre

**USTAR Professor
Center for Advanced Nutrition
Utah State University**

Location: Merrill-Cazier Library room 154
October 17, 2007 from 3:30 – 4:30 PM

In Vivo and In Vitro Metabolic Effects of Anthocyanin-rich Grape Skin Extracts

Because of their antioxidant properties, anthocyanins (polyphenols that provide color to berries and other fruits) are hypothesized to have beneficial effects. In a hypothesis-generating study, we employed a global genomics and proteomics approach in mice to identify potential novel health benefits of anthocyanins. Initial animal data suggested an effect of anthocyanins on features of both fat and carbohydrate metabolism. Studies in tissue culture have confirmed effects of anthocyanins on the regulation of genes involved in both fatty acid and glucose metabolism. However, interpretation of these findings along with translation of the results to specific health benefits is complicated by a number of factors that will be discussed.

Refreshments will follow in the Biotechnology Building Lobby

Seminar