



## **Dr. David H. Wasserman**

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# **DISTRIBUTED CONTROL OF MUSCLE GLUCOSE UPTAKE IN HEALTH AND INSULIN RESISTANCE**

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3:30 PM**

**The University Center Shiloh Room**

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*Dr. Wasserman is a leading expert in metabolism and diabetes research and has an active NIH-funded research program focusing on the pathogenesis, prevention and treatment of metabolic diseases such as obesity and diabetes. His research addresses mechanisms that control hepatic and muscle glucose metabolism and energy balance when modifications in diet and physical activity are employed. His studies highlight tissue-specific metabolic responses and environment-gene interactions in normal physiology, insulin resistant states induced by high fat feeding and in insulin sensitive states induced by physical exercise. Dr. Wasserman uses multidisciplinary approaches in his research such as use of a variety of genetically engineered animal models, isotopic techniques and analytical methods that allow metabolism studies from gene to the whole organism. As such, his research is not only critical to basic understanding of fuel metabolism but also has important implications to diabetes, obesity and heart disease.*