Our Methods and Standards Papers

Keywords: in vivo, mouse phenotyping, bariatric surgery, Diabetic Neuropathy, echocardiography, hyperinsulinemic-euglycemic clamps, long chain fatty acid, feeding behavior, ventricular, vascular, insulin signaling

Metabolic Pathophysiology Core

- Considerations in the Design of Hyperinsulinemic-Euglycemic Clamps in the Conscious Mouse
- Glucose Metabolism in Vivo in Four Commonly Used Inbred Mouse Strains
- Long Chain Fatty Acid Uptake in Vivo: Comparison of [125I]-BMIPP and [3H]-Bromopalmitate
- NIH Experiment in Centralized Mouse Phenotyping: the Vanderbilt Experience and Recommendations for Evaluating Glucose Homeostasis in the Mouse
- Lost in Translation (A Perspective on the Current State of the Mouse Glucose Clamping Field - 2009)
- Assessment of Feeding Behavior in Laboratory Mice
- Standard Operating Procedures for Describing and Performing Metabolic Tests of Glucose Homeostasis in Mice
- Assessment of Different Bariatric Surgeries in the Treatment of Obesity and Insulin Resistance in Mice
- Markers of Glycemic Control in the Mouse: Comparisons of 6-h and Overnight-fasted Blood Glucose to HbA1c
- Approach to Assessing Determinants of Glucose Homeostasis in the Conscious Mouse

Cardiovascular Pathophysiology and Complications Core

- Characterization of Susceptibility of Inbred Mouse Strains to Diabetic Nephropathy
- Echocardiographic Evaluation of Ventricular Function in Mice
- Temporal Changes in Ventricular Function Assessed Echocardiographically in Conscious and Anesthetized Mice