Aim 1: **Identify the physiological mechanisms contributing to energy conservation and insulin resistance during pregnancy.** Age matched pregnant and non-pregnant female mice will be compared in this study. Energy expenditure, insulin sensitivity, and macronutrient absorptive efficiency will be evaluated

Background:

Methods:

*Animals:*

*Body Composition:*

*Insulin Sensitivity:*

*Energy Expenditure:*

*Digestive Physiology:*

Expected Results and Potential Pitfalls: