**Abstract   
Introduction  
Methods**

*Animal care and use*

Virgin female C57/bl6J mice were obtained from Jackson Laboratory at XX days of age. After XX week of acclimatization, they were single housed and dietary treatment began.

Animals were bred in house

*Insulin Tolerance and Glucose Tolerance Testing*

Baseline glucose and insulin tolerance were assessed at young adulthood during NCD diet period (~ postnatal day 70). Animals were transferred into a cage with no food during the early light cycle, with water freely available. After 6 hours, fasting blood glucose was assessed using tail clip and a handheld glucometer (OneTouch Ultra). Shortly thereafter, an intraperitoneal injection of insulin (Humulin, u-100; 0.75u/kg body weight). Blood glucose was assessed every 15 minutes for 2 hours. One week later, glucose tolerance was assessed in a similar way (1.5u/kg lean mass). Insulin and glucose tolerance were then re-assessed after high fat diet feeding (~PND 140-160) (insulin dose 2.5u/kg lean mass, glucose dose 1.0u/kg lean mass)  
**Results**

**Discussion  
Conclusion**

References