

Zucker Diabetic Fatty (ZDF) rat

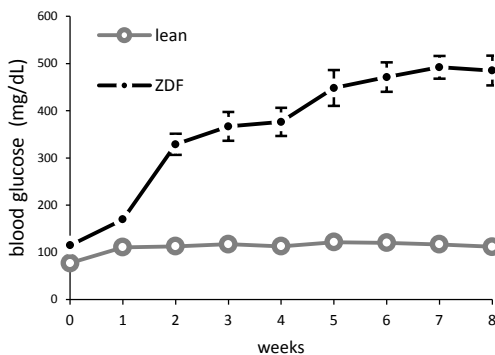
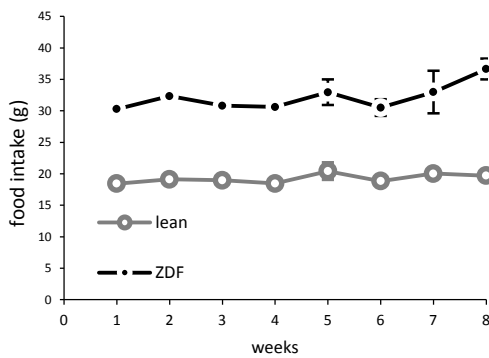
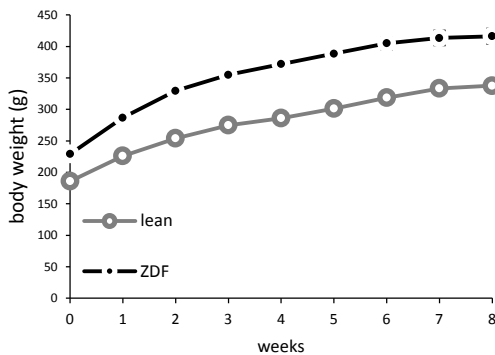
A genetic rat model for the study of type 2 diabetes, hyperglycemia, insulin resistance, hyperinsulinemia, hypertriglyceridemia, hypercholesterolemia and cardiovascular or renal complications

ANIMAL MODEL

- Background strain: Zucker Diabetic Fatty rat
- Positive reference compounds: metformin, pioglitazone

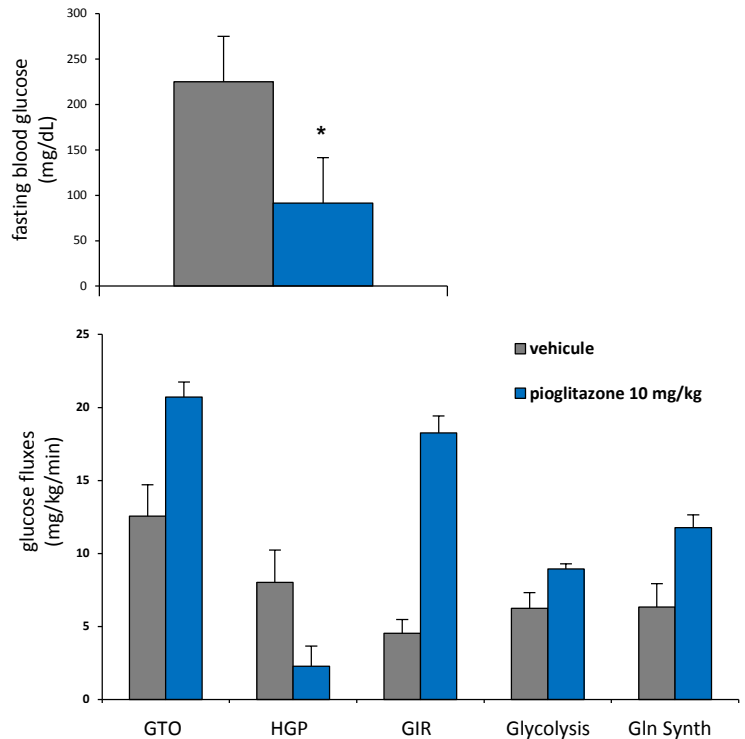
PATHOPHYSIOLOGICAL FEATURES

Body weight food intake and fed blood glucose



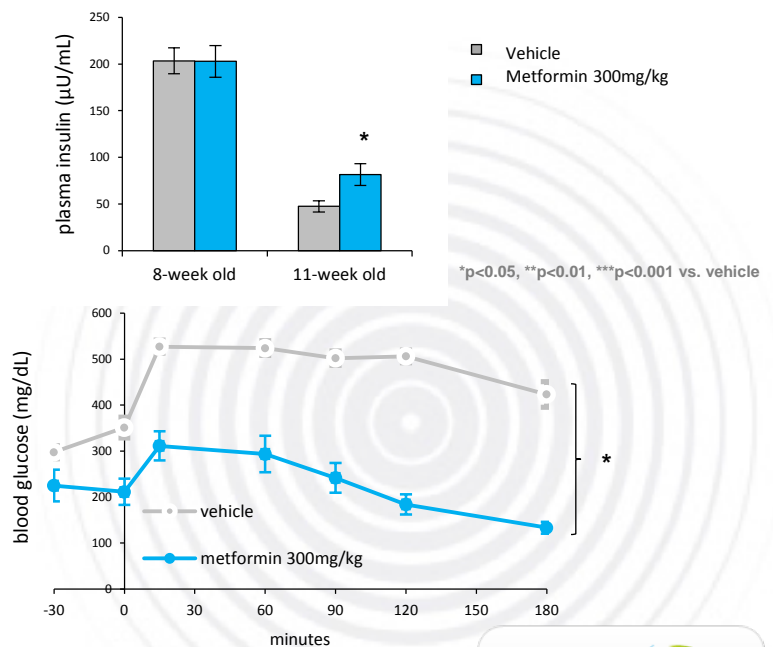
PHARMACOLOGICAL VALIDATION

Effect of pioglitazone



GTO= glucose turn over (whole body glucose utilization rate)
GIR = glucose infusion rate

Effect of metformin



*p<0.05, **p<0.01, ***p<0.001 vs. vehicle