Zucker Diabetic Fatty (ZDF) rat

**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"