

Indirect calorimetry in mice

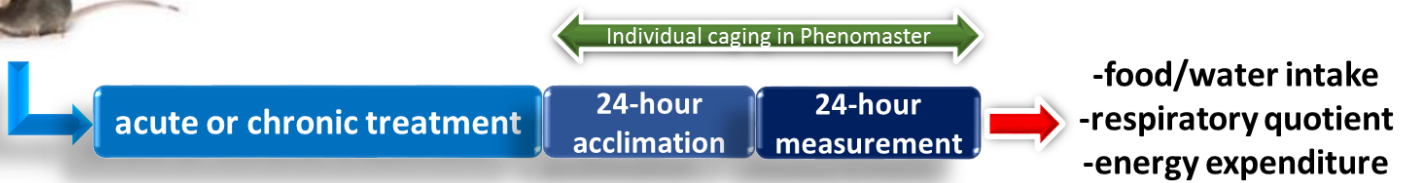
- ✓ Continuous measurement (every 10 minutes) of food and water intake
- ✓ Assess respiratory quotient, energy expenditure

Key benefits

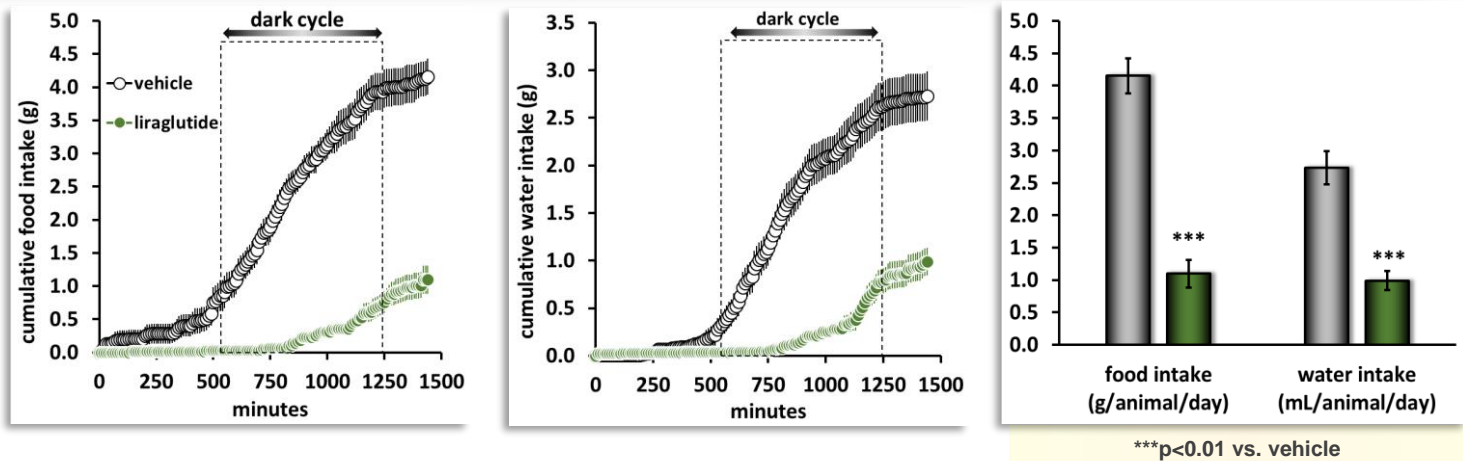
- ✓ Get access to the Phenomaster system to evaluate your drugs on energy expenditure and food/water intake after an acute or chronic treatment in mice.

EXPERIMENTAL DESIGN

- **Animal model:** mice (C57BL6/J, DIO, db/db, etc.)
- **Reference compound:** GLP-1 receptor agonist (e.g. liraglutide 100µg/kg i.p. as single dose)
- **Indirect calorimetry measurement:** after treatment period, animals are acclimatized over 24 hours in Phenomaster individual cages prior to 24-hour metabolic measurements.



ACUTE TREATMENT WITH LIRAGLUTIDE REDUCES BOTH FOOD INTAKE AND WATER INTAKE



LIRAGLUTIDE ACUTELY REDUCES BOTH RESPIRATORY QUOTIENT AND ENERGY EXPENDITURE

