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### **Area of Expertise:**

- Hypothalamic regulation of appetite in birds

### **Focus of Research:**

- Role of neuropeptides in appetite regulation of broilers during the early post hatch period
- Role of neuropeptides in behavior of broilers during the early post hatch period
- Role of neuropeptides in appetite regulation of anorexic and obese chicken models
- Role of neuropeptides in behavior of anorexic and obese chicken models

### **Current Funded Projects (Source):**

- Mechanisms of Neuropeptide Y's effects on adipose tissue deposition in chickens (USDA)
- The effects of dietary fat quantity and  $\alpha$ -melanocyte stimulating hormone on appetite regulatory mechanisms and adiposity in broiler chickens (John Lee Pratt Animal Nutrition Program)
- Effects of dietary macronutrient composition and exogenous neuropeptide Y on appetite regulation and adipose tissue development in broiler chickens (John Lee Pratt Animal Nutrition Program)
- Mechanisms of neuropeptide Y's contribution to appetite and growth of chickens (USDA)