FRI Neuroscience

Faculty: Chris Bishop, Terry Deak & Lisa Savage
Research Educator: Corinne Kiessling

Freshman SPRING COURSE
• Introduction to diseases of the Central Nervous System & behavioral neuroscience techniques
• Rodent handling & care
• Live and video scoring for basic cognitive behavior assessment in rats
• Live & video scoring for basic motor behavior assessment in rats
• Basic laboratory skills
• Real-time reverse transcription polymerase chain reaction (PCR)
• Process tissue for high performance chromatography (HPLC)
• Data collection & management

PRODUCTS: Research report & proposal

Sophomore FALL COURSE
Continue working on research projects
Assaying pharmacological drug effects
Data collection & management
Statistics
Scientific writing, communication, & presentation
PRODUCTS: Research report & poster

SUMMER FELLOW
Introduction to behavioral pharmacology
Systemic injections
Assaying drug effects
Continue with research project

EXPECTED DATA: Determine novel neural substrates for behavior in a rodent model of Parkinson’s disease with cognitive dysfunction.