ADVANCED SCIENCE RESEARCH CENTER

RODENT BEHAVIORAL ANALYSIS SUITE

The **Rodent Behavioral Analysis Suite** contains three high-quality sound-attenuating test rooms, each equipped with a video tracking system with multiple arena, multiple body point, and trial and hardware control modules. This allows the behavioral assessment of a variety of panels of anxiety, depression, learning tasks, and automated motor function characterization. The Suite also provides a variety of mazes, optogenetic stimulation tool box, and foot shock chambers for various animal models and behavioral analysis.

For consultation on experimental design and instrument capabilities, please contact Jia Liu at **JLIU1@GC.CUNY.EDU** or via telephone at 212-413-3183

The facility welcomes users from CUNY, other academic and research institutions, start-up companies and industry.

For more information:
NEURO.ASRC.CUNY.EDU/RBAS/

AVAILABLE INSTRUMENTATION

ETHOVISION XT
State-of-the-art video tracking system for automatically recording animal activity and movement

PRIZMATIX OPTOGENETICS TOOLKIT
Stand-alone optogenetics pulser and LED system

MAZES AND FOOT SHOCK CHAMBERS
Mazes and programmable shock chambers for research on anxiety, depression and learning for mice

COMPLEX RUNNING WHEEL
Variation from the standard running wheels to explore behavioral and learning deficits

MOTOR FUNCTION ASSESSMENT
Rotor rods, treadmill, and balance beams

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CITY UNIVERSITY OF NEW YORK

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