

Resource Summary Report

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Penn Neurobehavior Testing Core

RRID:SCR_010024

Type: Tool

Proper Citation

Penn Neurobehavior Testing Core (RRID:SCR_010024)

Resource Information

URL: <http://eagle-i.itmat.upenn.edu/i/00000138-baad-3af2-9cd7-d7e280000000>

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Description: Core facility that provides the following services: Behavioral testing training, Behavioral testing consultation service, Neurobehavior Testing Core access, Evaluation of anxiety behavior, Evaluation of circadian activity and rest/activity patterns, Measurement of sleep/wake patterns, Video image analysis of behavioral assays, Tissue harvest and histology prep service, Customized behavior batteries. The Neurobehavior Testing Core provides core facilities and services to test mice in state of the art assays of simple and complex behaviors, including the assessment of circadian rhythms and sleep, learning and memory, motor and sensory function, as well as behavioral assays relevant to translational studies of neurological, neurodevelopmental and psychiatric disorders. The core offers comprehensive behavior phenotyping of your mice or can train your lab personnel to perform the tests in the facility. In addition, we provide consultation on study design including appropriate tests, mouse line/strain, numbers of animals, control groups and breeding strategies. The core will also provide consultation regarding ULAR, IACUC and other regulatory issues. Assistance with data analysis is also available. The behavior apparatus available in the core includes: running wheels and beam splitters to measure circadian activity and rest/activity patterns as well as EEG/EMG recording chambers to measure sleep/wake states. Motor function is assessed using open field activity monitors and Rotarod. Apparatus to measure anxiety-like behavior including zero maze, light/dark chamber, passive/active avoidance chambers and hole poke arenas are also available. Extensive assessment of cognition, learning and memory is conducted with Morris water maze, radial arm maze, 5 choice serial reaction time test and object recognition tests. Tests of behaviors associated with depression (forced swim), schizophrenia (startle/PPI), social interaction (choice and social memory), and drug addiction (conditioned place preference) are also available. Tests of general health and responsiveness are also performed, as these are critical for the evaluation of complex behavior. Support for the core is provided by the

Comprehensive Neuroscience Center, the Institute for Translational Medicine and Therapeutics, the Center for Sleep and Circadian Neurobiology and the Perelman School of Medicine.

Resource Type: access service resource, core facility, service resource

Keywords: behavioral assay, data analysis, polysomnography, tissue harvesting, histological sample preparation

Funding:

Resource Name: Penn Neurobehavior Testing Core

Resource ID: SCR_010024

Alternate IDs: nlx_156495

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Record Last Update: 20250412T055444+0000

Ratings and Alerts

No rating or validation information has been found for Penn Neurobehavior Testing Core.

No alerts have been found for Penn Neurobehavior Testing Core.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.