

CNS Drug Delivery Capability Showcase

Precise CNS drug delivery.
Confidence in the data.
Faster decisions for preclinical CNS programs.

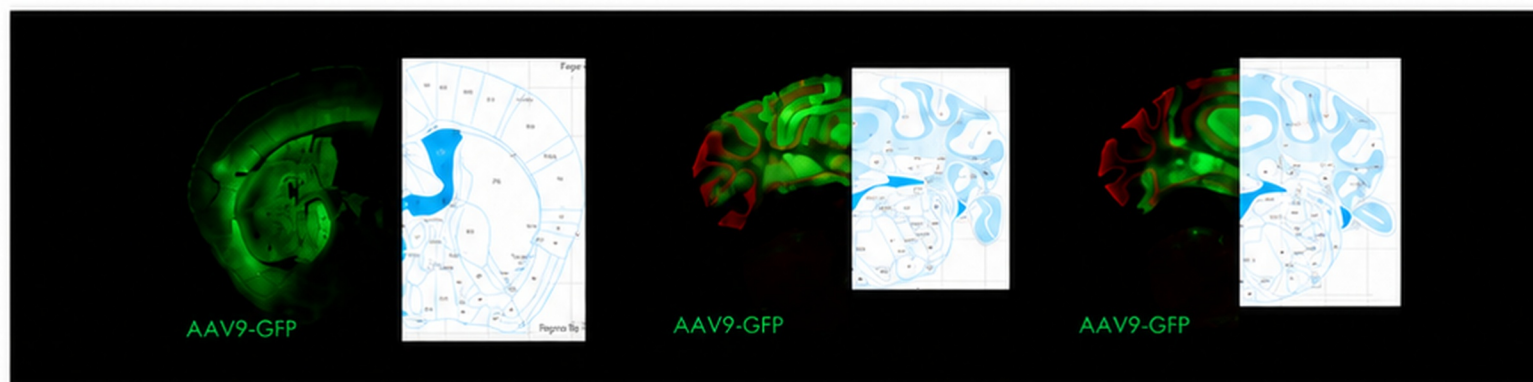


Figure 1. AAV9-CAG-eGFP delivery to striatum, cerebellum, and cisterna magna in C57BL/6 mice demonstrates regional distribution following precise CNS administration.

PRECLINICAL CNS DELIVERY

Effective drug delivery is the bridge between a promising therapeutic candidate and a meaningful in vivo result. MuriPhys combines state-of-the-art stereotaxic robotics, proprietary dosing methods, and decades of preclinical development experience to deliver compounds into the CNS with micrometer-level precision.

Our platform is designed to minimize within- and between-study variability, improve reproducibility, and generate trustworthy data that helps partners conserve time, budget, and critical program momentum.

- Robotic accuracy**
Advanced stereotaxic platforms support repeatable delivery to defined CNS targets.
- Study-ready execution**
CNS, systemic delivery, necropsy, tissue collection, and downstream readouts in one CRO workflow.
- Reproducible biology**
Specialized microdissection methods support cleaner biodistribution and expression analyses.

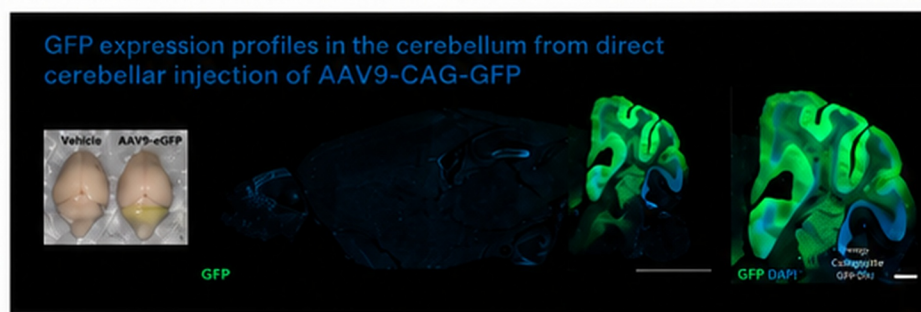


Figure 2. GFP expression profiles in the cerebellum of FVB mice after direct cerebellar injection of AAV9-CAG-GFP.

NOW OFFERING

Proof-of-Concept Grant Program

Selected biotech companies can access MuriPhys proof-of-concept studies at direct out-of-pocket cost, generating decision-ready pilot data while preserving early-stage capital.

Scan to learn more about MuriPhys.

muriphys.com

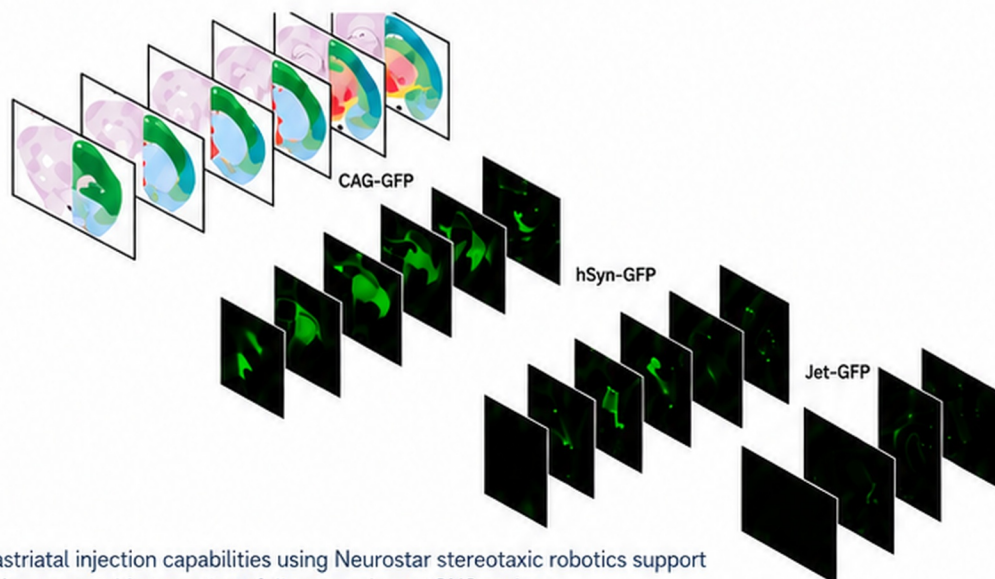




CNS Capabilities Showcase

Precision delivery. Functional readouts.
Integrated preclinical CNS studies.

ROBOT-GUIDED CNS DELIVERY



Intrastriatal injection capabilities using Neurostar stereotaxic robotics support precise, repeatable targeting of disease-relevant CNS regions.

Precision CNS Drug Delivery

- ✓ Intraparenchymal ICV / ICM / IT
- ✓ CED
- ✓ Robot-guided stereotaxy

Micron-level targeting

Wireless Telemetry: EEG, EMG & Tremor in rodents

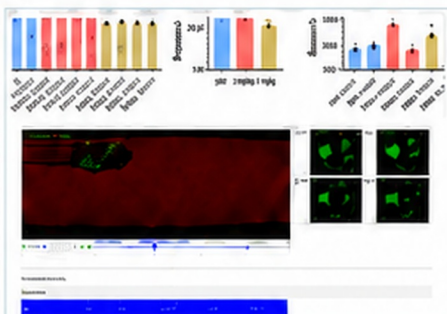
Synchronized acquisition in freely moving animals



In Vivo Electrophysiology

Wireless telemetry and synchronized functional readouts for freely moving rodents. Capture EEG, EMG, tremor and behavior-linked signals with study-ready QC.

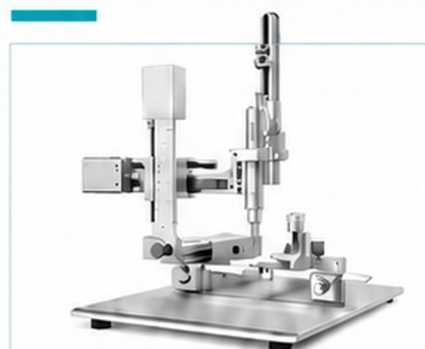
EEG | EMG | Tremor | Telemetry



Behavioral Analytics

Quantify gait, locomotion, pain, anxiety-like behavior and other disease-relevant phenotypes with Noldus CatWalk, BlackBox (blackboxbio.com), Rotarod and additional video-tracked behavioral testing platforms.

CatWalk | BlackBox | Pain / anxiety | And more



Robot-Guided TBI Models

Neurostar-based targeting supports reproducible TBI model execution and integration with dosing, longitudinal behavior and downstream functional endpoints.

TBI | Stereotaxy | Longitudinal endpoints

ONE INTEGRATED CNS WORKFLOW

Study design > precise delivery > behavior > electrophysiology > tissue collection / bioanalysis
From proof-of-concept through IND-enabling studies.