

Resource Summary Report

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Northwestern University Mouse Histology and Phenotyping Laboratory Core Facility

RRID:SCR_017870

Type: Tool

Proper Citation

Northwestern University Mouse Histology and Phenotyping Laboratory Core Facility
(RRID:SCR_017870)

Resource Information

URL: <http://mhpl.facilities.northwestern.edu/>

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Description: Core provides assistance with standard and customized research specific histology services for variety of tissues (i.e., mouse, rat, sheep, pig, zebrafish, etc.) for routine histology, and immunohistochemistry. Provides Pathologist consultation to help develop strategies to elucidate phenotypes and gain mechanistic insight regarding biologic actions of targeted molecule(s) or toxicity of exogenously administered substances. Provides training opportunities for learning histology techniques and phenotyping analysis. Services include Immunohistochemistry (IHC) . Using tyramide signal amplification (TSA) and ABC methods (automated), with DAB chromogenic substrate; Immunofluorescence (IF)- Single and multiple staining; TUNEL assay; Freezing and embedding of tissues for histology; Frozen sections; Paraffin block processing and Paraffin sections; Hematoxylin and Eosin staining of sections; Specialized histochemical staining of sections (e.g. Trichrome, PAS, Luxol fast blue, Cresyl violet, and many other stains); Dissection and tissue collection; Histopathology (slide interpretation); Histopathology toxicity evaluation; Training in necropsy techniques including perfusion of mice and special tissue dissection; Assistance with development of animal pathology protocols.

Abbreviations: MHPL

Synonyms: Mouse Histology and Phenotyping Laboratory

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

Keywords: Mouse, histology, phenotyping, tissue, rat, sheep, pig, zebrafish, immunohistochemistry, pathology, consultation, target, molecule, toxicity, substance, training, analysis, immunofluorescence, TUNEL, assay, freezing, embedding, paraffin,

block, processing, section, necropsy, service, core

Availability: Open

Resource Name: Northwestern University Mouse Histology and Phenotyping Laboratory Core Facility

Resource ID: SCR_017870

Alternate IDs: ABRF_702

Record Creation Time: 20220129T080337+0000

Record Last Update: 20260808T190651+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Mouse Histology and Phenotyping Laboratory Core Facility.

No alerts have been found for Northwestern University Mouse Histology and Phenotyping Laboratory Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Kaiho T, et al. (2026) B6 Donor Lungs Develop Chronic Lung Allograft Dysfunction-like Pathology Across Histocompatibility Mismatches in Murine Lung Transplantation. Transplantation direct, 12(6), e1958.

John NW, et al. (2026) Sustained Local Delivery of Sodium Butyrate To Support Muscle Recovery in a Murine Model of Hindlimb Ischemia. ACS applied bio materials, 9(4), 2315.

Rakotomamonjy J, et al. (2025) Epilepsy Associated Gene, Pcdh7, Is Dispensable for Brain Development in Mice. Genes, 16(8).