Resource Summary Report

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New York University School of Medicine Langone Health Experimental Pathology Research Laboratory Core Facility

RRID:SCR_017928 Type: Tool

Proper Citation

New York University School of Medicine Langone Health Experimental Pathology Research Laboratory Core Facility (RRID:SCR_017928)

Resource Information

URL: <u>https://med.nyu.edu/research/scientific-cores-shared-resources/experimental-pathology-research-laboratory</u>

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Description: Core provides services, access to instruments, and training to facilitate production of animal tissue samples for morphological and molecular analyses. Supports multiplex immunofluorescence staining, RNA in situ hybridization (ISH), and imaging analysis. Services include tissue preparation, processing, and sectioning, as well as histochemistry and immunohistochemistry of fresh, frozen, and fixed animal tissues, can optimize and validate commercial or proprietary antibodies for chromogenic or fluorescence-based immunohistochemistry including seven-color multiplexing.Provides access to database listing antibodies that have been tested in lab to date and are currently in stock.Offers basic imaging resources and digital whole-slide scanning of stained tissue sections, which allows researchers to view their slides online at their convenience.Researchers can also rent our self-service instruments. These include embedding station, microtome, cryostat, and vibratome. Provides access to brightfield and fluorescence upright and dissecting microscopes,laser capture microdissection scope, and high-throughput multispectral imaging system.To reserve time on instrument, faculty, staff, and investigators must be registered in iLab.

Synonyms: NYU Langon Experimental Pathology Research Laboratory, New York University School of Medicine Langone Health Experimental Pathology Research Laboratory

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

Keywords: Experimental, pathology, animal, tissue, production, instrument, morphological, molecular, analysis, immunofluorescence, staining, RNA, in situ, hybridization, imaging, analysis, sectioning, tissue, histochemistry, immunochemistry, antibody, listing, imaging, service, core, ABRF, USEDit

Funding: NIH Office of the Director S10 OD021747

Availability: Open

Resource Name: New York University School of Medicine Langone Health Experimental Pathology Research Laboratory Core Facility

Resource ID: SCR_017928

Alternate IDs: ABRF_823

Alternate URLs: https://coremarketplace.org/?FacilityID=823&citation=1

Record Creation Time: 20220129T080337+0000

Record Last Update: 20250517T060344+0000

Ratings and Alerts

No rating or validation information has been found for New York University School of Medicine Langone Health Experimental Pathology Research Laboratory Core Facility.

No alerts have been found for New York University School of Medicine Langone Health Experimental Pathology Research Laboratory Core Facility.

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Ortigoza MB, et al. (2024) Inhibiting influenza virus transmission using a broadly acting

neuraminidase that targets host sialic acids in the upper respiratory tract. mBio, 15(2), e0220323.

Aggarwal SD, et al. (2024) Pneumococcal pneumonia is driven by increased bacterial turnover due to bacteriocin-mediated intra-strain competition. Communications biology, 7(1), 1628.

Ulrich RJ, et al. (2024) Prophage-encoded methyltransferase drives adaptation of communityacquired methicillin-resistant Staphylococcus aureus. bioRxiv : the preprint server for biology.

Duarte Afonso Serdan T, et al. (2024) Slit3 Fragments Orchestrate Neurovascular Expansion and Thermogenesis in Brown Adipose Tissue. bioRxiv : the preprint server for biology.

Samper N, et al. (2024) Kir6.1, a component of an ATP-sensitive potassium channel, regulates natural killer cell development. Frontiers in immunology, 15, 1490250.

Encarnación-Rosado J, et al. (2024) Targeting pancreatic cancer metabolic dependencies through glutamine antagonism. Nature cancer, 5(1), 85.

Molenaars M, et al. (2024) Acute inhibition of iron-sulfur cluster biosynthesis disrupts metabolic flexibility in mice. bioRxiv : the preprint server for biology.

Karz A, et al. (2024) MetFinder: A Tool for Automated Quantitation of Metastatic Burden in Histological Sections From Preclinical Models. Pigment cell & melanoma research.

Maiti G, et al. (2024) Paracrine regulations of IFN-? secreting CD4 + T cells by lumican and biglycan are protective in allergic contact dermatitis. bioRxiv : the preprint server for biology.

Samper N, et al. (2024) Kir6.1, a component of an ATP-sensitive potassium channel, regulates natural killer cell development. bioRxiv : the preprint server for biology.

Zhang W, et al. (2023) Mouse genome rewriting and tailoring of three important disease loci. Nature, 623(7986), 423.

Rodriguez-Rodriguez BA, et al. (2023) A neonatal mouse model characterizes transmissibility of SARS-CoV-2 variants and reveals a role for ORF8. Nature communications, 14(1), 3026.

Ortigoza MB, et al. (2023) Targeting host sialic acids in the upper respiratory tract with a broadly-acting neuraminidase to inhibit influenza virus transmission. bioRxiv : the preprint server for biology.

Sun Q, et al. (2023) Dedifferentiation maintains melanocyte stem cells in a dynamic niche. Nature, 616(7958), 774.

Noval MG, et al. (2023) MAVS signaling is required for preventing persistent chikungunya heart infection and chronic vascular tissue inflammation. Nature communications, 14(1), 4668.

Durmus N, et al. (2023) Resistin-like Molecule ? and Pulmonary Vascular Remodeling: A Multi-Strain Murine Model of Antigen and Urban Ambient Particulate Matter Co-Exposure. International journal of molecular sciences, 24(15).

Glytsou C, et al. (2023) Mitophagy Promotes Resistance to BH3 Mimetics in Acute Myeloid Leukemia. Cancer discovery, 13(7), 1656.

Tu NH, et al. (2023) Calcitonin Related Polypeptide Alpha Mediates Oral Cancer Pain. Cells, 12(13).

Wang YH, et al. (2022) Distinct roles of ORAI1 in T cell-mediated allergic airway inflammation and immunity to influenza A virus infection. Science advances, 8(40), eabn6552.

Kleffman K, et al. (2022) Melanoma-Secreted Amyloid Beta Suppresses Neuroinflammation and Promotes Brain Metastasis. Cancer discovery, 12(5), 1314.