Resource Summary Report

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Pennsylvania University Perelman School of Medicine Stem Cell and Xenograft Core Facility

RRID:SCR_010035
Type: Tool

Proper Citation

Pennsylvania University Perelman School of Medicine Stem Cell and Xenograft Core Facility (RRID:SCR_010035)

Resource Information

URL: https://www.med.upenn.edu/scxc/

Proper Citation: Pennsylvania University Perelman School of Medicine Stem Cell and Xenograft Core Facility (RRID:SCR_010035)

Description: Offers in vivo services specializing in immunodeficient and xenograft models (PDX, humanized immune system). Facility has dedicated BSL2 barrier space equipped with optical imaging, for applications ranging from immunotherapy, cancer biology, infectious diseases and regenerative medicine. Offers services centered around repository of live and fully annotated cells from adult patients with hematologic malignancies (AML, ALL, MPN, MDS), and hematopoietic stem/progenitor cells from healthy donors (BM, CB, and FL).

Abbreviations: Pennsylvania University Perelman School of Medicine SCXC

Synonyms: Penn Stem Cell and Xenograft Core (SCXC), Penn Stem Cell and Xenograft Core, Penn Stem Cell & Xenograft Core

Resource Type: material resource, access service resource, service resource, tissue bank, biomaterial supply resource, core facility, organism supplier, training service resource

Keywords: xenograft, ABRF, USEDit, healthy donor, umbilical, cord, tissue, bank, human, hematopoietic, malignancy, service, whole, bone, marrow, blood, sorter, leukemia, imaging

Funding:

Resource Name: Pennsylvania University Perelman School of Medicine Stem Cell and Xenograft Core Facility

Resource ID: SCR_010035

Alternate IDs: nlx_156506, ARBF_1384

Alternate URLs: https://coremarketplace.org?citation=1&FacilityID=1384

Old URLs: http://eagle-i.itmat.upenn.edu/i/0000013b-afd0-cc4c-83a0-df0880000000

Record Creation Time: 20220129T080256+0000

Record Last Update: 20250517T055944+0000

Ratings and Alerts

No rating or validation information has been found for Pennsylvania University Perelman School of Medicine Stem Cell and Xenograft Core Facility.

No alerts have been found for Pennsylvania University Perelman School of Medicine Stem Cell and Xenograft Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Alexander KA, et al. (2025) Nuclear speckles regulate functional programs in cancer. Nature cell biology, 27(2), 322.

Peramangalam PS, et al. (2024) N-MYC regulates cell survival via eIF4G1 in inv(16) acute myeloid leukemia. Science advances, 10(9), eadh8493.

Willis E, et al. (2024) Humanization with CD34-positive hematopoietic stem cells in NOG-EXL mice results in improved long-term survival and less severe myeloid cell hyperactivation phenotype relative to NSG-SGM3 mice. Veterinary pathology, 300985823122216.

Liu X, et al. (2024) A mitochondrial surveillance mechanism activated by SRSF2 mutations in hematologic malignancies. bioRxiv : the preprint server for biology.

Liu X, et al. (2024) A mitochondrial surveillance mechanism activated by SRSF2 mutations in hematologic malignancies. The Journal of clinical investigation, 134(12).

Quesnel-Vallières M, et al. (2024) Trametinib Sensitivity is Defined by a Myeloid Differentiation Profile in Acute Myeloid Leukemia. Drugs in R&D, 24(3), 489.

Dimitri AJ, et al. (2024) TET2 regulates early and late transitions in exhausted CD8+ T cell differentiation and limits CAR T cell function. Science advances, 10(46), eadp9371.

Patel RP, et al. (2024) CD5 deletion enhances the antitumor activity of adoptive T cell therapies. Science immunology, 9(97), eadn6509.

Weinfurtner K, et al. (2024) Human GM-CSF/IL-3 enhance tumor immune infiltration in humanized HCC patient-derived xenografts. bioRxiv : the preprint server for biology.

Metzloff AE, et al. (2024) Antigen Presenting Cell Mimetic Lipid Nanoparticles for Rapid mRNA CAR T Cell Cancer Immunotherapy. Advanced materials (Deerfield Beach, Fla.), e2313226.

Hayes BH, et al. (2024) Chromosomal instability induced in cancer can enhance macrophage-initiated immune responses that include anti-tumor IgG. eLife, 12.

Lee I, et al. (2023) LNS8801 inhibits Acute Myeloid Leukemia by Inducing the Production of Reactive Oxygen Species and Activating the Endoplasmic Reticulum Stress Pathway. Cancer research communications, 3(8), 1594.

Katsuda T, et al. (2023) Evidence for in vitro extensive proliferation of adult hepatocytes and biliary epithelial cells. Stem cell reports, 18(7), 1436.

Alexander KA, et al. (2023) Nuclear speckles regulate HIF-2? programs and correlate with patient survival in kidney cancer. bioRxiv : the preprint server for biology.

Uslu U, et al. (2023) Chimeric antigen receptor T cells as adjuvant therapy for unresectable adenocarcinoma. Science advances, 9(2), eade2526.

Zappala F, et al. (2022) Rapid, site-specific labeling of "off-the-shelf" and native serum autoantibodies with T cell-redirecting domains. Science advances, 8(18), eabn4613.

Chaves-Moreira D, et al. (2022) The transcription factor PAX8 promotes angiogenesis in ovarian cancer through interaction with SOX17. Science signaling, 15(728), eabm2496.

Xu H, et al. (2021) CCNE1 copy number is a biomarker for response to combination WEE1-ATR inhibition in ovarian and endometrial cancer models. Cell reports. Medicine, 2(9), 100394.

Rodriguez-Garcia A, et al. (2021) CAR-T cell-mediated depletion of immunosuppressive tumor-associated macrophages promotes endogenous antitumor immunity and augments adoptive immunotherapy. Nature communications, 12(1), 877.

Weinfurtner K, et al. (2021) Variability in biopsy quality informs translational research applications in hepatocellular carcinoma. Scientific reports, 11(1), 22763.