Resource Summary Report

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University of Pennsylvania Perelman School of Medicine Cell and Developmental Biology Microscopy Core Facility

RRID:SCR_022373
Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine Cell and Developmental Biology Microscopy Core Facility (RRID:SCR_022373)

Resource Information

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

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Description: Core provides personalized assistance on all aspects of imaging, from tips on sample preparation to training on one of our microscopes to assistance with image data analysis. Facility houses confocal microscopes, Bruker Vutara 352 super resolution system, Zeiss Z.1 Lightsheet system, three widefield light microscopes, and several computers dedicated to image processing and analysis. Offers scanning electron microscope sample preparation and imaging.

Synonyms: CDB Microscopy Core, Cell & Developmental Biology Microscopy Core, University of Pennsylvania Perelman School of Medicine CDB Microscopy Core

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

Keywords: USEDit, ABRF

Resource Name: University of Pennsylvania Perelman School of Medicine Cell and Developmental Biology Microscopy Core Facility

Resource ID: SCR_022373

Alternate IDs: ARBF_1387

Alternate URLs: https://coremarketplace.org?citation=1&FacilityID=1387

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260904T000838+0000

Ratings and Alerts

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

No alerts have been found for University of Pennsylvania Perelman School of Medicine Cell and Developmental Biology Microscopy Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 45 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Sarwar PF, et al. (2026) Apical spectrin organizes cortical actin filament bundles to pattern C. elegans cuticle ridges. bioRxiv : the preprint server for biology.

Li D, et al. (2026) Cholesterol-containing lipid crystals can directly stiffen the rat steatotic liver before fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 123(2), e2518060123.

Zeng J, et al. (2026) Rapid receptor internalization potentiates CD7-targeted lipid nanoparticles for efficient mRNA delivery to T cells and in vivo CAR T-cell engineering. bioRxiv : the preprint server for biology.

Molteni HL, et al. (2026) A small-molecule screen identifies that elafibranor links mechanical cues and Irf6-dependent epithelial differentiation. Disease models & mechanisms, 19(2).

Bernard-Raichon L, et al. (2026) Type I and III interferons synergize with TNF to promote virally-triggered damage to the intestinal epithelium. bioRxiv : the preprint server for biology.

Tzeng J, et al. (2026) Maternal BCAA overnutrition programs persistent dysglycemia in lean adult offspring. Molecular metabolism, 105, 102331.

Rood JE, et al. (2026) Optimal murine CD4+ T cell priming by mRNA-lipid nanoparticle vaccines requires endogenous antigen processing. Nature communications, 17(1), 1327.

Mukherjee A, et al. (2026) A single cluster of RNA Polymerase II molecules is stably associated with active genes. Nature communications, 17(1).

Yano JJ, et al. (2026) Lineage tracing reveals photoreceptor precursor cell subpopulations that contribute to murine retinogenesis. Frontiers in cell and developmental biology, 14, 1814134.

Boudreault S, et al. (2026) Nonsense-mediated decay controls a negative feedback loop in innate immune sensing. Proceedings of the National Academy of Sciences of the United States of America, 123(2), e2517478123.

Femoe UM, et al. (2026) Trained ILC2 prevent IL-17-associated lung injury during helminth infection through a serotonin-dependent mechanism. Mucosal immunology, 19(2), 1808.

Blanch TE, et al. (2026) Age-Dependent Chromatin Remodeling Drives Inflammatory Dysregulation in Tendon Cells. bioRxiv : the preprint server for biology.

Zhao W, et al. (2026) NAD-dependent redox control enables endothelial quiescence and vascular stabilization during angiogenesis. Cell metabolism, 38(7), 1478.

Chen K, et al. (2026) Poroelastic mechanical loading disrupts cytoskeletal symmetry in 3D architected scaffolds. Biophysical journal, 125(1), 235.

Liu S, et al. (2026) ?-hydroxybutyrate enhances the metabolic fitness of CAR T cells in cancer. Cell, 189(6), 1701.

Laub S, et al. (2026) Integrative genomics and single-cell CRISPRi screening dissect Alzheimer GWAS non-coding variants regulating TSPAN14. American journal of human genetics, 113(6), 1253.

Lee H, et al. (2026) Influence of Subcellular Localization on the Cytotoxicity of Targeted ?-Therapy. Journal of nuclear medicine : official publication, Society of Nuclear Medicine, 67(3), 429.

Huang T, et al. (2026) A negative feedback loop between TERMINAL FLOWER1 and LEAFY protects inflorescence indeterminacy. Science (New York, N.Y.), 391(6789), eadv5429.

Sarwar PF, et al. (2026) Apical spectrin organizes cortical actin filament bundles to pattern C. elegans cuticle ridges. PLoS genetics, 22(7), e1012236.

Yang X, et al. (2025) Neonatal diabetes-associated missense PDX1 variant disrupts chromatin association and protein-protein interaction. JCI insight, 10(11).