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: core facility, service resource, access 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: 20260801T191249+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 29 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

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

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

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.

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

Mukherjee A, et al. (2025) A cluster of RNA Polymerase II molecules is stably associated with an active gene. bioRxiv : the preprint server for biology.

Karakasheva TA, et al. (2025) An Epigenetic Basis for Sustained Inflammatory Epithelial Progenitor Cell States in Crohn's Disease. Cellular and molecular gastroenterology and hepatology, 20(3), 101665.

Uchida K, et al. (2025) Dual Translational Control in Cardiomyocytes by Heterogeneous mTORC1 and Hypertrophic ERK Activation. bioRxiv : the preprint server for biology.

Pruzinsky E, et al. (2025) A role for the transcriptional coregulator RIP140 in the control of muscle endurance fitness. JCI insight, 10(22).

Mukhi D, et al. (2025) The actin and microtubule network regulator WHAMM is identified as a key kidney disease risk gene. Cell reports, 44(4), 115462.

Voos KM, et al. (2025) Ankyrin-B modulates mitochondrial fission in skeletal muscle and is required for optimal endurance exercise capacity. Nature communications, 16(1), 7671.

Waldman AJ, et al. (2025) Persistent chromatin loops shape gene expression plasticity upon stimulation and restimulation of human neurons. bioRxiv : the preprint server for biology.

Sande CM, et al. (2025) ATM-dependent DNA damage response constrains cell growth and drives clonal hematopoiesis in telomere biology disorders. The Journal of clinical investigation, 135(8).

V??zquez Marrero VR, et al. (2025) Dendritic cells activate pyroptosis and effector-triggered apoptosis to restrict Legionella infection. mBio, 16(7), e0125725.

Dooling LJ, et al. (2025) Clustered macrophages cooperate to eliminate tumors via coordinated intrudopodia. Proceedings of the National Academy of Sciences of the United States of America, 122(27), e2425452122.

Beyer JN, et al. (2025) Intracellular protein editing enables incorporation of noncanonical residues in endogenous proteins. Science (New York, N.Y.), 388(6746), eadr5499.

Cesaro A, et al. (2025) Design of multimodal antibiotics using deep learning. bioRxiv : the preprint server for biology.

Swingle KL, et al. (2025) Placenta-tropic VEGF mRNA lipid nanoparticles ameliorate murine pre-eclampsia. Nature, 637(8045), 412.

Qian W, et al. (2025) Spatially ordered zygotic genome activation fulfills embryo quality control. bioRxiv : the preprint server for biology.

Panthi A, et al. (2025) Alternate isoforms of IRF7 Differentially Regulate Interferon Expression to Tune Response to Viral Infection. bioRxiv : the preprint server for biology.

Niethamer TK, et al. (2025) Longitudinal single-cell profiles of lung regeneration after viral infection reveal persistent injury-associated cell states. Cell stem cell, 32(2), 302.