

Resource Summary Report

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University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab Core Facility

RRID:SCR_022375

Type: Tool

Proper Citation

University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab Core Facility (RRID:SCR_022375)

Resource Information

URL: <https://www.med.upenn.edu/electronmicroscopyresourcelab/>

Proper Citation: University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab Core Facility (RRID:SCR_022375)

Description: Training and service facility dedicated to providing both conventional transmission electron microscopy of cells and tissues and state of the art cryo-electron microscopy and cryo-electron tomography for structural investigation of macromolecules and cells.

Abbreviations: EMRL

Synonyms: University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab, Electron Microscopy Resource Lab

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

Keywords: USEDit, ABRF, conventional transmission electron microscopy, cryo-electron microscopy, cryo-electron tomography

Availability: Open

Resource Name: University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab Core Facility

Resource ID: SCR_022375

Alternate IDs: ARBF_1390

Alternate URLs: <https://coremarketplace.org?citation=1&FacilityID=1390>

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260905T133425+0000

Ratings and Alerts

No rating or validation information has been found for University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab Core Facility.

No alerts have been found for University of Pennsylvania Perelman School of Medicine Electron Microscopy Resource Lab Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#).

Méndez-Reséndiz A, et al. (2026) Molecular mechanism of menthol-induced TRPV5 channel inhibition. *Nature communications*, 17(1).

Trigg NA, et al. (2026) Epididymal extracellular vesicles harbor and convey mRNA to sperm for transfer to zygotes. *Nucleic acids research*, 54(7).

Eldaboush A, et al. (2026) Characterizing Keratinocyte-Derived Extracellular Vesicles in UVB-Irradiated Murine Skin. *JID innovations : skin science from molecules to population health*, 6(1), 100406.

Palmer NJ, et al. (2026) Mechanisms of disassembly at the actin filament pointed and barbed ends. *Science advances*, 12(14), eae5882.

Blackson W, et al. (2026) A generalizable system for antigenic peptide targeting across HLA-I allotypes. *bioRxiv : the preprint server for biology*.

Montermoso S, et al. (2026) Structures of nucleotide-bound Redondovirus Rep protein link conformation and function. *PLoS pathogens*, 22(3), e1013997.

Jin P, et al. (2026) Programmable Steric Control of Collagen Peptide-to-Fiber Assembly. *Journal of the American Chemical Society*, 148(16), 16588.

Leipe A, et al. (2026) Defining AV2-1 as a novel pharmacological probe to target human and rodent TRPV2. *British journal of pharmacology*, 183(13), 3538.

Li J, et al. (2026) PLGA nanoparticles restore acidic pH and degradative function to compromised lysosomes with Cy3-labeling providing enhanced tracking to lysosomes. *American journal of physiology. Cell physiology*, 330(2), C509.

Padilla MS, et al. (2026) Lipid Nanoparticle Co-Delivery of mRNA and a Small Molecule Drug for Oral Cancer Chemoimmunotherapy. *Advanced materials (Deerfield Beach, Fla.)*, e73721.

Yoon IC, et al. (2026) Nanoarchitectonics of Metal-Organic Framework Platforms for Enhanced Enzyme Delivery with Preserved Activity. *ACS applied materials & interfaces*, 18(11), 16915.

Shi G, et al. (2026) Uridine cytidine kinase 1 promotes phosphatidylcholine biosynthesis, facilitating SARS-CoV-2 infection. *Molecular cell*.

Wen AX, et al. (2026) Antibiotics stimulate protein transfer to persister cells. *Science (New York, N.Y.)*, 392(6805), eadx3972.

Zavala MR, et al. (2026) An INF2-dependent actin-mediated step in inositol 1,4,5-trisphosphate receptor cluster formation and activity. *Current biology : CB*, 36(12), 3088.

Yoon IC, et al. (2025) Piperazine-Derived Bisphosphonate-Based Ionizable Lipid Nanoparticles Enhance mRNA Delivery to the Bone Microenvironment. *Angewandte Chemie (International ed. in English)*, 64(3), e202415389.

McVeigh BM, et al. (2025) Visualization of lysosomal membrane proteins by cryo electron tomography. *Nature communications*, 16(1), 9234.

Schultz K, et al. (2025) Snapshots of acyl carrier protein shuttling in human fatty acid synthase. *Nature*, 641(8062), 520.

Saks AJ, et al. (2025) NPF binding to Arp2 is allosterically linked to the release of ArpC5's N-terminal tail and conformational changes in Arp2/3 complex. *Proceedings of the National Academy of Sciences of the United States of America*, 122(8), e2421557122.

Palumbos SD, et al. (2025) Autophagic stress activates distinct compensatory secretory pathways in neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 122(28), e2421886122.

Shimogawa M, et al. (2025) Investigation of All Disease-Relevant Lysine Acetylation Sites in τ -Synuclein Enabled by Non-canonical Amino Acid Mutagenesis. *bioRxiv : the preprint server for biology*.