

Resource Summary Report

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Brandeis University Light Microscopy Core Facility

RRID:SCR_025892

Type: Tool

Proper Citation

Brandeis University Light Microscopy Core Facility (RRID:SCR_025892)

Resource Information

URL: <https://www.brandeis.edu/science/resources/light-microscopy/index.html>

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Description: Facility houses 13 high-end light microscopes including point scanning and spinning disk confocals, Airyscan, 3D-STED super resolution, widefield and TIRF systems. Core offers training, consultation and access to powerful analysis computers with licensed softwares.

Abbreviations: LMCF

Synonyms: Brandeis University Brandeis Light Microscopy Core Facility, , Brandeis Light Microscopy Core Facility

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

Keywords: ABRF, microscopy, light microscopy, data analysis,

Availability: Open

Resource Name: Brandeis University Light Microscopy Core Facility

Resource ID: SCR_025892

Alternate IDs: ABRF_2950

Alternate URLs: <https://coremarketplace.org/?FacilityID=2950&citation=1>

Record Creation Time: 20241016T053254+0000

Record Last Update: 20260912T200454+0000

Ratings and Alerts

No rating or validation information has been found for Brandeis University Light Microscopy Core Facility.

No alerts have been found for Brandeis University Light Microscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Judge K, et al. (2026) Neuron-intrinsic and glial pathways regulate sensory cilia regeneration in adult *C. elegans*. bioRxiv : the preprint server for biology.

Scalera AL, et al. (2026) Distinct Rab11-associated membrane trafficking pathways bidirectionally control neuronal extracellular vesicle cargo traffic. bioRxiv : the preprint server for biology.

Yeon J, et al. (2026) An enteric neuron ionotropic receptor regulates salt stress resistance. *Nature*, 654(8120), 1023.

Tan W, et al. (2026) Cycling molecular assemblies for Golgi imaging and disruption. *Nature communications*, 17(1).

Emperador-Melero J, et al. (2026) Deployment of endocytic machinery to periaxial zones of nerve terminals is independent of active zone assembly and evoked release. bioRxiv : the preprint server for biology.

Emperador-Melero J, et al. (2026) Deployment of endocytic machinery to periaxial zones of nerve terminals is independent of active zone assembly and evoked release. *eLife*, 14.

Winterstrain AC, et al. (2026) Nematic cell alignment directs calcium waves in an epithelial monolayer. *Biophysical journal*, 125(11), 2501.

Bissen D, et al. (2026) Ethological learning during the critical period resets synaptic setpoints in mouse binocular visual cortex. *Neuron*.

Winterstrain AC, et al. (2025) Nematic cell alignment directs calcium waves. bioRxiv : the preprint server for biology.

Griswold SV, et al. (2025) Premature vision drives aberrant development of response properties in primary visual cortex. *eLife*, 14.

Wen W, et al. (2025) Modular arrangement of synaptic and intrinsic homeostatic plasticity within visual cortical circuits. *Proceedings of the National Academy of Sciences of the United States of America*, 122(22), e2504775122.

Clements KJ, et al. (2025) Activity drives local CaMKII synthesis and subcellular localization via autophosphorylation-dependent pathways. *bioRxiv : the preprint server for biology*.

Guerrero AA, et al. (2025) Activity Deprivation Modulates the Shank3/Homer1/mGluR5 Signaling Pathway to Enable Synaptic Upscaling. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(46).

Ermanoska B, et al. (2025) Nonmuscle myosin II regulates presynaptic actin and neuronal mechanobiology in *Drosophila*. *The Journal of cell biology*, 224(9).

Tan W, et al. (2025) Cycling Molecular Assemblies (CyMA) for Ultrasensitive Golgi Imaging. *bioRxiv : the preprint server for biology*.

Wen W, et al. (2024) Modular Arrangement of Synaptic and Intrinsic Homeostatic Plasticity within Visual Cortical Circuits. *bioRxiv : the preprint server for biology*.

Ermanoska B, et al. (2023) Non-muscle myosin II regulates presynaptic actin assemblies and neuronal mechanobiology. *bioRxiv : the preprint server for biology*.