

Resource Summary Report

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Penn State Hershey College of Medicine Light Microscopy Imaging Core Facility

RRID:SCR_022526

Type: Tool

Proper Citation

Penn State Hershey College of Medicine Light Microscopy Imaging Core Facility
(RRID:SCR_022526)

Resource Information

URL: <https://research.med.psu.edu/core-facilities/light-microscopy/>

Proper Citation: Penn State Hershey College of Medicine Light Microscopy Imaging Core Facility (RRID:SCR_022526)

Description: Provides consultation and training in ultra high resolution imaging of cells and tissues in fixed or live states. Provides expertise in quantitative image analysis and consultations on microscopy related research projects.

Abbreviations: Penn State COM

Synonyms: The Light Microscopy Imaging Core (Penn State COM)

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

Keywords: ABRF, ultra high resolution imaging of cells and tissues, fixed or live cell states, quantitative image analysis,

Resource Name: Penn State Hershey College of Medicine Light Microscopy Imaging Core Facility

Resource ID: SCR_022526

Alternate IDs: ABRF_1454

Alternate URLs: <https://coremarketplace.org/?FacilityID=1454&citation=1>

Record Creation Time: 20220628T050153+0000

Record Last Update: 20260912T200418+0000

Ratings and Alerts

No rating or validation information has been found for Penn State Hershey College of Medicine Light Microscopy Imaging Core Facility.

No alerts have been found for Penn State Hershey College of Medicine Light Microscopy Imaging Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Avila Tejeda J, et al. (2026) In Vitro Model Characterizing Carcinogenic Progression of HPV-Positive Oropharyngeal Cancer. *Cancers*, 18(4).

Nusawardhana A, et al. (2026) Genome-wide CRISPR screens identify the EXO1-CAF-1 pathway suppressing R-loop-associated DNA damage. *Nucleic acids research*, 54(5).

Suklabaidya S, et al. (2026) Negative feedback regulation of STING signaling by TAX1BP1-directed Golgiphagy. *Nature communications*, 17(1).

Hale A, et al. (2026) The RRM domains of PARP14 mediate replication fork degradation in BRCA2-deficient cells. *NAR cancer*, 8(1), zcag005.

Hale A, et al. (2026) Genome-wide CRISPR screens identify DNA repair and R-loop suppression as regulators of the cellular sensitivity to environmentally relevant Bisphenol A exposure. *bioRxiv : the preprint server for biology*.

Tang M, et al. (2026) Trp53 loss drives the neoplastic transformation of Pik3caH1047R-induced vascular malformation in a mouse model. *PloS one*, 21(5), e0348285.

Nusawardhana A, et al. (2026) The nuclease EXO1 promotes genomic instability by degrading nascent DNA in BRCA-proficient cells. *Nature communications*, 17(1).

Maldonado RJK, et al. (2025) Dynamic interactions of retroviral Gag condensates with nascent viral RNA at transcriptional burst sites: implications for genomic RNA packaging. *bioRxiv : the preprint server for biology*.

Shaikh K, et al. (2025) ZFAND6 promotes TRAF2-dependent mitophagy to restrain cGAS-STING signaling. *iScience*, 28(1), 111544.

Lambert GS, et al. (2025) Role of the Psi Packaging Signal and Dimerization Initiation Sequence in the Organization of Rous Sarcoma Virus Gag-gRNA Co-Condensates. *Viruses*, 17(1).

White J, et al. (2025) Phosphorylation of the selective autophagy receptor TAX1BP1 by TBK1 and IKBKE/IKKi promotes ATG8-family protein-dependent clearance of MAVS aggregates. *Autophagy*, 21(1), 160.

Lambert GS, et al. (2025) Two peas in a pod: retroviral RNA dimers organize Gag-RNA nanoclusters with novel biophysical properties. *bioRxiv : the preprint server for biology*.

Montemarano A, et al. (2025) A Drd1-cre mouse line with nucleus accumbens gene dysregulation exhibits blunted fentanyl seeking. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(13), 1993.

Restrepo Munera J, et al. (2025) Germinal Center B cells provide essential IL-1?? signals to TFH cells via canonical NLRP3 inflammasome activity post influenza infection. *PLoS pathogens*, 21(8), e1013404.

Chen EC, et al. (2025) Imaging Retroviral RNA Genome Heterodimers Using Bimolecular Fluorescence Complementation (BiFC). *Viruses*, 17(8).

Kaddis Maldonado RJ, et al. (2025) Dynamic interactions of retroviral Gag condensates with nascent viral RNA at transcriptional burst sites: implications for genomic RNA packaging. *mBio*, 16(9), e0169525.

Fundora KA, et al. (2025) DBeQ derivative targets vacuolar protein sorting 4 functions in cancer cells and suppresses tumor growth in mice. *The Journal of pharmacology and experimental therapeutics*, 392(4), 103524.

Mohanty S, et al. (2025) HTLV-1 Tax induces PINK1-Parkin-dependent mitophagy to mitigate activation of the cGAS-STING pathway. *bioRxiv : the preprint server for biology*.

Lambert GS, et al. (2025) Two Peas in a Pod: Retroviral RNA Dimers Organize Gag-RNA Nanoclusters with Novel Biophysical Properties. *International journal of molecular sciences*, 26(12).

Montemarano A, et al. (2025) Projection-defined ventral tegmental area neurons exhibit fentanyl-induced molecular and functional adaptations that differentially support drug-context associations. *bioRxiv : the preprint server for biology*.