

# Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

## 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:** 20260728T043642+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 41 mentions in open access literature.

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

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).

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.

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.

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

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.

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).

Rebok A, et al. (2025) Catalytic-Dependent Role of DNA Polymerase  $\gamma$  in Nucleotide Excision Repair. *Chemical research in toxicology*, 38(6), 1103.

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

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*.

Torres MC, et al. (2024) Activity of DNA polymerase  $\gamma$  across the genome in human fibroblasts. *Proceedings of the National Academy of Sciences of the United States of America*, 121(28), e2403130121.

Bui V, et al. (2024) Blocking autophagosome closure manifests the roles of mammalian Atg8-family proteins in phagophore formation and expansion during nutrient starvation. *Autophagy*.

Pale LM, et al. (2024) CRISPR knockout genome-wide screens identify the HELQ-RAD52 axis in regulating the repair of cisplatin-induced single-stranded DNA gaps. *Nucleic acids research*, 52(22), 13832.

Pale LM, et al. (2024) CRISPR knockout genome-wide screens identify the HELQ-RAD52 axis in regulating the repair of cisplatin-induced single stranded DNA gaps. *bioRxiv : the preprint server for biology*.

Ye Y, et al. (2024) Identification of membrane curvature sensing motifs essential for VPS37A phagophore recruitment and autophagosome closure. *Communications biology*, 7(1), 334.

Lambert GS, et al. (2024) Comparative analysis of retroviral Gag-host cell interactions: focus on the nuclear interactome. *bioRxiv : the preprint server for biology*.

Khatib JB, et al. (2024) PARP10 promotes the repair of nascent strand DNA gaps through RAD18 mediated translesion synthesis. *Nature communications*, 15(1), 6197.