

# Resource Summary Report

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## Dartmouth College Life Sciences Light Microscopy Core Facility

RRID:SCR\_027143

Type: Tool

### Proper Citation

Dartmouth College Life Sciences Light Microscopy Core Facility (RRID:SCR\_027143)

### Resource Information

**URL:** <https://sites.dartmouth.edu/lslmfacility/>

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**Description:** Light microscopy imaging core facility located in the Life Sciences Center at Dartmouth College (Hanover, NH). Facility personnel provide training and imaging guidance. Imaging instruments available to trained users include: laser scanning and spinning disk confocal systems (with super-resolution capability), a TIRF system, and a multiphoton microscope. Image analysis software (e.g. Nikon Elements, ZEN, Arivis Vision 4D, and Imaris Quant) is also available through the facility.

**Abbreviations:** LSLM Facility

**Synonyms:** Life Sciences Light Microscopy Core Facility at Dartmouth College

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

**Keywords:** microscopy, confocal, core facility

**Availability:** Open

**Resource Name:** Dartmouth College Life Sciences Light Microscopy Core Facility

**Resource ID:** SCR\_027143

**Alternate IDs:** ABRF\_3279

**Alternate URLs:** [https://coremarketplace.org/RRID:SCR\\_027143/?citation=1](https://coremarketplace.org/RRID:SCR_027143/?citation=1)

**Record Creation Time:** 20250703T065558+0000

**Record Last Update:** 20260905T133540+0000

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## Ratings and Alerts

No rating or validation information has been found for Dartmouth College Life Sciences Light Microscopy Core Facility.

No alerts have been found for Dartmouth College Life Sciences Light Microscopy Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Wang Z, et al. (2026) Rhythmic Nuclear Import Mediated by Importins Regulates the Neurospora Circadian Clock. *bioRxiv : the preprint server for biology*.

Wang Z, et al. (2026) Core clock protein subcellular dynamics coordinate local and global circadian control in syncytia. *The Journal of cell biology*, 225(6).

Wang Z, et al. (2025) Core Clock Protein Subcellular Dynamics Coordinate Local and Global Circadian Control in Syncytia. *bioRxiv : the preprint server for biology*.

North BJ, et al. (2025) The LC3-interacting region of NBR1 is a protein interaction hub enabling optimal flux. *The Journal of cell biology*, 224(4).

Valles SY, et al. (2024) Cyclin A/Cdk1 promotes chromosome alignment and timely mitotic progression. *Molecular biology of the cell*, 35(11), ar141.

Dougherty LL, et al. (2024) Determinants of cytoplasmic microtubule depolymerization during ciliogenesis in *Chlamydomonas*. *Life science alliance*, 7(1).

Reinhart EF, et al. (2023) A Comparative Analysis of the Membrane Binding and Remodeling Properties of Two Related Sorting Nexin Complexes Involved in Autophagy. *Biochemistry*, 62(3), 657.

Valles SY, et al. (2023) Cyclin A/Cdk1 promotes chromosome alignment and timely mitotic progression. *bioRxiv : the preprint server for biology*.

Hawkins WD, et al. (2022) Dimerization-dependent membrane tethering by Atg23 is essential for yeast autophagy. *Cell reports*, 39(3), 110702.

Loeven NA, et al. (2021) The Burkholderia cenocepacia Type VI Secretion System Effector TecA Is a Virulence Factor in Mouse Models of Lung Infection. *mBio*, 12(5), e0209821.

Weyburne E, et al. (2021) Cancer-associated mutations in the condensin II subunit CAPH2 cause genomic instability through telomere dysfunction and anaphase chromosome bridges. *Journal of cellular physiology*, 236(5), 3579.

Huang S, et al. (2021) Separable roles for RanGTP in nuclear and ciliary trafficking of a kinesin-2 subunit. *The Journal of biological chemistry*, 296, 100117.

Kowalski CH, et al. (2020) Fungal biofilm architecture produces hypoxic microenvironments that drive antifungal resistance. *Proceedings of the National Academy of Sciences of the United States of America*, 117(36), 22473.

van Gisbergen P, et al. (2020) In vivo analysis of formin dynamics in the moss *P. patens* reveals functional class diversification. *Journal of cell science*, 133(3).

Allard CAH, et al. (2019) Stable Pom1 clusters form a glucose-modulated concentration gradient that regulates mitotic entry. *eLife*, 8.

Thammahong A, et al. (2019) An Ssd1 Homolog Impacts Trehalose and Chitin Biosynthesis and Contributes to Virulence in *Aspergillus fumigatus*. *mSphere*, 4(3).