

Resource Summary Report

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Colorado University at Boulder Light Microscopy Core Facility

RRID:SCR_018993

Type: Tool

Proper Citation

Colorado University at Boulder Light Microscopy Core Facility (RRID:SCR_018993)

Resource Information

URL: <https://www.colorado.edu/lmcf/>

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Description: Provides access to instruments and training. Instruments including Dell Precision 7910 Analysis PC, Leica DMRXA Upright Widefield Microscope, Nikon E600 Upright Widefield Microscope, Nikon N-SIM structured illumination super-resolution and A1 laser scanning confocal microscope, Nikon Inverted Spinning Disk Confocal Microscope, Zeiss 510 Laser Scanning Confocal Microscope.

Synonyms: Light Microscopy Core Facility

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

Keywords: USEDit, light microscopy, microscope, confocal microscope, laser scanning, ABRF

Resource Name: Colorado University at Boulder Light Microscopy Core Facility

Resource ID: SCR_018993

Alternate IDs: ABRF_1041

Alternate URLs: <https://coremarketplace.org/?FacilityID=1041>

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260912T200408+0000

Ratings and Alerts

No rating or validation information has been found for Colorado University at Boulder Light Microscopy Core Facility.

No alerts have been found for Colorado University at Boulder 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](#) .

Ortega R, et al. (2026) PARP1 and PARP2 are dispensable for DNA repair by microhomology-mediated end-joining at double-ended DSBs. *Nucleic acids research*, 54(1).

Zhou B, et al. (2026) Tracking Mitotic Spindle Dynamics and Protein Localization in Fission Yeast With FYSKA, the Fission Yeast Spindle Kymograph Analyzer. *Cytoskeleton* (Hoboken, N.J.).

Ewachiw TE, et al. (2026) TDP-43 Sustains Satellite Cells to Maintain and Regenerate Skeletal Muscle. *bioRxiv : the preprint server for biology*.

Ortega R, et al. (2025) PARP1 and PARP2 are dispensable for DNA repair by microhomology-mediated end-joining during mitosis. *bioRxiv : the preprint server for biology*.

Bera K, et al. (2025) Nuclei sense complex tissue shape and direct intestinal stem cell fate. *bioRxiv : the preprint server for biology*.

Loth MK, et al. (2025) Oxytocin and Dopamine Receptor Expression: Cellular Level Implications for Pair Bonding. *bioRxiv : the preprint server for biology*.

Loth MK, et al. (2025) Mapping the cellular basis of species differences in oxytocin and dopamine receptor expression in the vole nucleus accumbens. *Scientific reports*, 15(1), 26908.

Das E, et al. (2025) Spatial mechanisms of quality control during chaperone-mediated assembly of the proteasome. *Nature communications*, 16(1), 3358.

Loth MK, et al. (2025) Lentiviral CRISPRa/i in the adult prairie vole brain: modulating neuronal gene expression without DNA cleavage. *Frontiers in genome editing*, 7, 1602983.

Kakebeen AD, et al. (2025) The Neural Tube CURE: Engaging undergraduate students in a relevant developmental biology research course. *Developmental biology*, 527, 41.

Chang TL, et al. (2025) Myofibers cultured in viscoelastic hydrogels reveal the effects of integrin-binding and mechanosensing on muscle satellite cells. *Acta biomaterialia*, 192, 48.

Green-Fulgham SM, et al. (2024) Voluntary wheel running prevents formation of membrane attack complexes and myelin degradation after peripheral nerve injury. *Brain, behavior, and immunity*, 115, 419.

Hupka M, et al. (2023) Morphology of *Penicillium rubens* Biofilms Formed in Space. *Life (Basel, Switzerland)*, 13(4).

Flores P, et al. (2023) Biofilm formation of *Pseudomonas aeruginosa* in spaceflight is minimized on lubricant impregnated surfaces. *NPJ microgravity*, 9(1), 66.

McNulty CJ, et al. (2023) Elevated prefrontal dopamine interferes with the stress-buffering properties of behavioral control in female rats. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 48(3), 498.

Lauridsen K, et al. (2022) A Semi-Automated Workflow for Brain Slice Histology Alignment, Registration, and Cell Quantification (SHARCQ). *eNeuro*, 9(2).

Mueller EN, et al. (2022) Silica-coated gold nanorods with hydrophobic modification show both enhanced two-photon fluorescence and ultrasound drug release. *Journal of materials chemistry. B*, 10(47), 9789.