

# Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

## Mount Desert Island Biological Laboratory Light Microscopy Core Facility

RRID:SCR\_019166

Type: Tool

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### Proper Citation

Mount Desert Island Biological Laboratory Light Microscopy Core Facility  
(RRID:SCR\_019166)

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### Resource Information

**URL:** <https://lmf.mdibl.org/>

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**Description:** Core provides professional scientific expertise in light microscopy. Offers access to hardware and software as well as expert guidance at any step of imaging project, from experimental design to image analysis. Comprises eight microscope systems including two laser scanning confocal microscopes including one Olympus inverted confocal microscope system (FV1000) and one Zeiss inverted confocal microscope system (LSM-980) equipped with Airy scan 2 for super resolution and 2-photon technology for in-vivo deep imaging with temperature controlled chamber. One spinning disk confocal including Nikon inverted spinning disk microscope system with incubation chamber (Eclipse Ti with Yokogawa disk CSU-W1), two Zeiss widefield microscopes for brightfield and epifluorescence illumination (Zeiss Apotome and Zeiss Colibri), three macroscopes systems to observe large samples or complete model organisms in brightfield and epifluorescence including one Olympus stereomicroscope system (MVX10) and two Zeiss stereomicroscope systems (SteREO Discovery V12), fully automated and one AxioZoom V16 , fully automated with ApoTome attachment.

**Abbreviations:** LMF MDIBL

**Synonyms:** MDIBL Light Microscopy Facility, Light Microscopy Facility MDIBL

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

**Keywords:** USEDit, light microscopy, imaging project, image analysis, experimental design, ABRF

**Funding:** NIGMS GM103423

**Resource Name:** Mount Desert Island Biological Laboratory Light Microscopy Core Facility

**Resource ID:** SCR\_019166

**Alternate IDs:** ABRF\_172

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=172>

**Record Creation Time:** 20220129T080343+0000

**Record Last Update:** 20260905T133418+0000

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## Ratings and Alerts

No rating or validation information has been found for Mount Desert Island Biological Laboratory Light Microscopy Core Facility.

No alerts have been found for Mount Desert Island Biological Laboratory 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 12 mentions in open access literature.

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

Kamei CN, et al. (2026) Reciprocal inhibition of Wnt signaling pathways pattern the interconnection of epithelial tubules in the regenerating zebrafish kidney. Development (Cambridge, England), 153(4).

Diwedi B, et al. (2026) Mesenchymal-derived neural progenitors underlie local insulin production and neuronal transdifferentiation during retina regeneration. bioRxiv : the preprint server for biology.

Sandhi S, et al. (2026) Sexually Dimorphic Response to Dietary Restriction-induced Longevity and Muscle Rejuvenation in *Nothobranchius furzeri*. bioRxiv : the preprint server for biology.

Olajuyin O, et al. (2026) Injury-induced Cxcl11 and neutrophil signaling drive zebrafish kidney regeneration by generating a nephrogenic niche of Fgf and Wnt expression. bioRxiv : the preprint server for biology.

Menard R, et al. (2025) Zebrafish genetic model of neuromuscular degeneration associated with Atrogin-1 expression. bioRxiv : the preprint server for biology.

Menard R, et al. (2025) The small molecule ML233 is a direct inhibitor of tyrosinase function. *bioRxiv : the preprint server for biology*.

Menard R, et al. (2025) The small molecule ML233 is a direct inhibitor of tyrosinase function. *Communications biology*, 8(1), 506.

Paulmann A, et al. (2025) Sodium-glucose co-transporter 2 inhibition improves age-dependent kidney microvascular rarefaction. *Kidney international*.

Paulmann A, et al. (2025) SGLT2 Inhibition Ameliorates Age-Dependent Renovascular Rarefaction. *bioRxiv : the preprint server for biology*.

Gajjar G, et al. (2025) Two eIF4E paralogs occupy separate germ granule messenger ribonucleoproteins that mediate mRNA repression and translational activation. *Genetics*, 230(1).

Kamei CN, et al. (2025) Multiple Wnt signaling pathways direct epithelial tubule interconnection in the regenerating zebrafish kidney. *bioRxiv : the preprint server for biology*.

De Niz M, et al. (2024) Building momentum through networks: Bioimaging across the Americas. *Journal of microscopy*, 294(3), 420.