

Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

Laser Biomedical Research Center

RRID:SCR_000106

Type: Tool

Proper Citation

Laser Biomedical Research Center (RRID:SCR_000106)

Resource Information

URL: <http://web.mit.edu/spectroscopy/facilities/lbrc.html>

Proper Citation: Laser Biomedical Research Center (RRID:SCR_000106)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on July 31,2025. Biomedical technology research center that develops basic scientific understanding and new techniques required for advancing clinical applications of lasers and spectroscopy. LBRC merges optical spectroscopy, imaging, scattering, and interferometry techniques to study biophysics and biochemistry of healthy and diseased biological structures from subcellular to entire-organ scale.

Abbreviations: LBRC

Synonyms: MIT Laser Biomedical Research Center, Laser Biomedical Research Center (LBRC)

Resource Type: biomedical technology research center, service resource, access service resource

Keywords: spectroscopy, laser, biomedicine, optical spectroscopy, imaging, scattering, interferometry, optical probe, microscopy

Related Condition: Pre-cancer, Cancer, Atherosclerosis, Healthy, Diseased

Funding: NIBIB 4P41EB015871-30

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Laser Biomedical Research Center

Resource ID: SCR_000106

Alternate IDs: nlx_152645

Record Creation Time: 20220129T080159+0000

Record Last Update: 20260731T042554+0000

Ratings and Alerts

No rating or validation information has been found for Laser Biomedical Research Center.

No alerts have been found for Laser Biomedical Research Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Alonzo CA, et al. (2016) Two-photon excited fluorescence of intrinsic fluorophores enables label-free assessment of adipose tissue function. Scientific reports, 6, 31012.

Pandey R, et al. (2015) Discerning the differential molecular pathology of proliferative middle ear lesions using Raman spectroscopy. Scientific reports, 5, 13305.

Sathyavathi R, et al. (2015) Raman spectroscopic sensing of carbonate intercalation in breast microcalcifications at stereotactic biopsy. Scientific reports, 5, 9907.

Dingari NC, et al. (2012) Raman spectroscopy provides a powerful diagnostic tool for accurate determination of albumin glycation. PloS one, 7(2), e32406.