Resource Summary Report

Generated by T1D on Aug 2, 2026

MRC Laboratory of Molecular Biology

RRID:SCR_003527
Type: Tool

Proper Citation

MRC Laboratory of Molecular Biology (RRID:SCR_003527)

Resource Information

URL: http://www2.mrc-lmb.cam.ac.uk/

Proper Citation: MRC Laboratory of Molecular Biology (RRID:SCR_003527)

Description: The MRC Laboratory of Molecular Biology (LMB) has long been, and remains, a world-class research laboratory. Our primary goal is to understand biological processes at the molecular level, through the application of methods drawn from physics, chemistry and genetics. This quest extends from structural studies of individual macromolecules, through their interactions and beyond to the functioning of subcellular systems, cells and multicellular systems in whole organisms, with the ultimate aim of using this knowledge to tackle specific problems in human health and disease. The LMB is one of the birthplaces of modern molecular biology. Many techniques were pioneered at the laboratory, most notably methods for determining the three-dimensional structure of proteins and DNA sequencing. Whole genome sequencing was initiated at the LMB. Another landmark discovery was the invention of monoclonal antibodies. Over the years, the work of LMB scientists has attracted 9 Nobel Prizes, shared between 13 LMB scientists, as well as numerous other prizes and scientific awards.

Abbreviations: LMB

Resource Type: institution

Keywords: FASEB list

Funding: MRC

Resource Name: MRC Laboratory of Molecular Biology

Resource ID: SCR_003527

Alternate IDs: Wikidata: Q185800, nif-0000-38323, grid.42475.30, ISNI: 0000 0004 0605 769X

Alternate URLs: https://ror.org/00tw3jy02

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260801T190222+0000

Ratings and Alerts

No rating or validation information has been found for MRC Laboratory of Molecular Biology.

No alerts have been found for MRC Laboratory of Molecular Biology.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 441 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Volkmann P, et al. (2025) Integrity of the circadian clock determines regularity of high-frequency and diurnal LFP rhythms within and between brain areas. Molecular psychiatry, 30(5), 1859.

Fuchsberger T, et al. (2025) Dopamine increases protein synthesis in hippocampal neurons enabling dopamine-dependent LTP. eLife, 13.

Foo S, et al. (2025) A temperature-sensitive mutant screen reveals a translational stress-induced cell-cycle arrest in a thermophilic archaeon. Molecular biology of the cell, 36(9), ar106.

Yang Y, et al. (2025) Canagliflozin alleviates progestin resistance by suppressing RAR?/CRABP2 signaling in THRB knockout endometrial cancer cells. Frontiers in pharmacology, 16, 1573032.

Zhang MY, et al. (2025) Distinct amyloid fibril structures formed by ALS-causing SOD1 mutants G93A and D101N. EMBO reports, 26(19), 4820.

Wu JW, et al. (2025) Development of a robust, physiologically relevant neuronal tau aggregation assay for tau-related drug discovery. The Journal of biological chemistry, 301(12), 110853.

Bal?kç? E, et al. (2025) Structure of the Nipah virus polymerase complex. The EMBO journal, 44(2), 563.

Awad W, et al. (2025) A molecular basis underpinning TRBV28+ T-cell receptor recognition of MR1-antigen. The Journal of biological chemistry, 301(8), 110416.

Rubio P, et al. (2025) A fluorescent probe for the enzymatic activity of KATP. bioRxiv : the preprint server for biology.

Liu S, et al. (2025) Molecular mechanism of antagonist recognition and regulation of the ? 1A-adrenoceptor. The Journal of biological chemistry, 301(7), 110348.

Wicher G, et al. (2025) Lack of ST2 aggravates glioma invasiveness, vascular abnormality, and immune suppression. Neuro-oncology advances, 7(1), vdaf010.

Artemenko Y, et al. (2025) A negative feedback loop between small GTPase Rap1 and mammalian tumor suppressor homologue KrsB regulates cell-substrate adhesion in Dictyostelium. Molecular biology of the cell, 36(4), ar43.

Caño Muñiz SE, et al. (2025) Metabolic control of porin permeability influences antibiotic resistance in Escherichia coli. Nature microbiology, 10(12), 3202.

Rasche R, et al. (2025) The GTPase ?B-Ras is an essential subunit of the RalGAP tumor suppressor complex. The Journal of biological chemistry, 301(8), 110460.

Kuhn J, et al. (2025) Complementary cytoskeletal feedback loops control signal transduction excitability and cell polarity. Nature communications, 16(1), 7482.

Yang H, et al. (2025) Structural insights into the substrate transport mechanism of the amino acid transporter complex. The Journal of biological chemistry, 301(9), 110569.

Santambrogio A, et al. (2025) Serial amplification of tau filaments using Alzheimer's brain homogenates and C322A or C322S recombinant tau. FEBS letters, 599(19), 2768.

Grimm L, et al. (2025) Pseudomonas aeruginosa PfpI is a methylglyoxalase. The Journal of biological chemistry, 301(4), 108374.

Bi M, et al. (2025) Structure and function of a near fully-activated intermediate GPCR-G ??? complex. Nature communications, 16(1), 1100.

Fang P, et al. (2025) Structural basis of nectin-4 recognition by the antibody-drug conjugate 9MW2821. The Journal of biological chemistry, 301(12), 110816.