Resource Summary Report

Generated by NIF on Aug 27, 2026

EMDataResource.org

RRID:SCR_003207
Type: Tool

Proper Citation

EMDataResource.org (RRID:SCR_003207)

Resource Information

URL: http://www.emdataresource.org/

Proper Citation: EMDataResource.org (RRID:SCR_003207)

Description: Portal for deposition and retrieval of cryo electron microscopy (3DEM) density maps, atomic models, and associated metadata. Global resource for 3 Dimensional Electron Microscopy structure data archiving and retrieval, news, events, software tools, data standards, validation methods.

Abbreviations: EMDB, EMDataResource

Synonyms: EMDataResource, EMDResource, EMDB, EMDataBank.org, EMDataBank - Unified Data Resource for 3DEM, EMDataBank

Resource Type: data or information resource, data repository, portal, project portal, service resource, storage service resource

Defining Citation: PMID:20935055, PMID:20888470

Keywords: deposition, retrival, cryo, electron, microscopy, 3DEM, density, maps, atomic, model, metadata, structure

Funding: BBSRC BBG022577;
NIGMS R01 GM079429

Availability: Free, Freely available

Resource Name: EMDataResource.org

Resource ID: SCR_003207

Alternate IDs: r3d100010552, nif-0000-30776

Alternate URLs: https://doi.org/10.17616/R3T61P

Old URLs: EMDataBank.org

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260821T193703+0000

Ratings and Alerts

No rating or validation information has been found for EMDataResource.org.

No alerts have been found for EMDataResource.org.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 183 mentions in open access literature.

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

Lv N, et al. (2026) IgG-Bridging-Seeded Synergistic Aggregation of SARS-CoV-2 Spikes Underlies Potent Neutralization by a Low-Affinity Antibody. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(11), e17192.

Bose P, et al. (2026) Structural basis of secreted acid phosphatase polymerization in the Leishmania parasite. Protein science : a publication of the Protein Society, 35(5), e70591.

Hong Q, et al. (2026) Structural insight into the assembly and D antigenicity of polio type 1 stabilized virus-like particles. NPJ vaccines, 11(1).

Li H, et al. (2025) Molecular mechanisms of the viral encoded chaperone 100K in capsid folding and assembly of adenovirus. Nature communications, 16(1), 4013.

Zyla DS, et al. (2025) Stabilized Full-Length Measles Fusion Protein Elicits Potent Immunity and Protection In Vivo. bioRxiv : the preprint server for biology.

Manik MK, et al. (2025) Structural basis for TIR domain-mediated innate immune signaling by Toll-like receptor adaptors TRIF and TRAM. Proceedings of the National Academy of Sciences of the United States of America, 122(2), e2418988122.

Wang L, et al. (2025) Human Coronavirus HKU1 Neutralizing Monoclonal Antibodies Target Diverse Epitopes Within and Around the TMPRSS2 Receptor Binding Site. bioRxiv : the preprint server for biology.

Li X, et al. (2025) Structure-guided design of native-like HIV Env Single Chain Trimers for enhanced stability, immunogenicity, and versatile vaccine delivery. bioRxiv : the preprint server for biology.

Manger S, et al. (2025) How does Mycoplasma pneumoniae scavenge lipids from its host membranes? Science advances, 11(40), eady4746.

Schendel SL, et al. (2025) A global collaboration for systematic analysis of broad-ranging antibodies against the SARS-CoV-2 spike protein. Cell reports, 44(4), 115499.

Nan X, et al. (2024) Exploring distinct modes of inter-spike cross-linking for enhanced neutralization by SARS-CoV-2 antibodies. Nature communications, 15(1), 10578.

Gambelli L, et al. (2024) Structure of the two-component S-layer of the archaeon Sulfolobus acidocaldarius. eLife, 13.

Kocha??czyk T, et al. (2024) Structural basis for transthiolation intermediates in the ubiquitin pathway. Nature, 633(8028), 216.

Hickey KL, et al. (2024) Temporal control of acute protein aggregate turnover by UBE3C and NRF1-dependent proteasomal pathways. bioRxiv : the preprint server for biology.

Sofer S, et al. (2024) Perturbed N-glycosylation of Halobacterium salinarum archaellum filaments leads to filament bundling and compromised cell motility. Nature communications, 15(1), 5841.

Rubio AA, et al. (2024) Bispecific antibodies with broad neutralization potency against SARS-CoV-2 variants of concern. bioRxiv : the preprint server for biology.

Wang X, et al. (2024) DiffModeler: Large Macromolecular Structure Modeling in Low-Resolution Cryo-EM Maps Using Diffusion Model. bioRxiv : the preprint server for biology.

Li R, et al. (2024) Multivalent interactions between fully glycosylated influenza virus hemagglutinins mediated by glycans at distinct N-glycosylation sites. Npj viruses, 2(1), 48.

Xu D, et al. (2024) Vaccine design via antigen reorientation. Nature chemical biology, 20(8), 1012.

Solorio-Kirpichyan K, et al. (2024) Cryo-EM structure of histidyl-tRNA synthetase-like domain reveals activating crossed helices at the core of GCN2. PNAS nexus, 3(12), pgae528.