

Resource Summary Report

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[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 repository, portal, data or information resource, storage service resource, service resource, project portal

Defining Citation: [PMID:20935055](#), [PMID:20888470](#)

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

Funding: NIGMS R01 GM079429;
BBSRC BBG022577

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: 20260804T043212+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 168 mentions in open access literature.

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

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.

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.

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

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.

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.

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

communications, 15(1), 5841.

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*.

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

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

Hahn WO, et al. (2024) Use of 3M-052-AF with Alum adjuvant in HIV trimer vaccine induces human autologous neutralizing antibodies. *The Journal of experimental medicine*, 221(10).

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

Flügel T, et al. (2024) Transient disome complex formation in native polysomes during ongoing protein synthesis captured by cryo-EM. *Nature communications*, 15(1), 1756.

Norris MJ, et al. (2024) A noncanonical glycoprotein H complex enhances cytomegalovirus entry. *bioRxiv : the preprint server for biology*.

Zhang S, et al. (2024) Protein neddylation and its role in health and diseases. *Signal transduction and targeted therapy*, 9(1), 85.

Johnson NV, et al. (2024) Structural basis for potent neutralization of human respirovirus type 3 by protective single-domain camelid antibodies. *Nature communications*, 15(1), 5458.

Sun J, et al. (2024) NS2 induces an influenza A RNA polymerase hexamer and acts as a transcription to replication switch. *EMBO reports*, 25(11), 4708.

Zhang F, et al. (2023) Pan-sarbecovirus prophylaxis with human anti-ACE2 monoclonal antibodies. *Nature microbiology*, 8(6), 1051.