

Resource Summary Report

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[EMDataResource.org](http://www.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, retrieval, 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: 20260903T234608+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 [kravitz2](#) .

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.

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.

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* archaeum filaments leads to filament bundling and compromised cell motility. *Nature communications*, 15(1), 5841.

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

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

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*.

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

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

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).

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.