

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, EMResource, EMDB, EMDataBank.org, EMDataBank - Unified Data Resource for 3DEM, EMDataBank

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

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

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

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Resource Name: EMDataResource.org

Resource ID: SCR_003207

Alternate IDs: nif-0000-30776

Old URLs: EMDatabank.org

Record Creation Time: 20220129T080217+0000

Record Last Update: 20250417T065130+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 161 mentions in open access literature.

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

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.

Kochańczyk 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* archaeellum 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*.

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

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

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*.

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.

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

Wang J, et al. (2023) C-N bond formation by a polyketide synthase. *Nature communications*, 14(1), 1319.

Guenthoer J, et al. (2023) Identification of broad, potent antibodies to functionally constrained regions of SARS-CoV-2 spike following a breakthrough infection. *Proceedings of the National Academy of Sciences of the United States of America*, 120(23), e2220948120.

Jia Q, et al. (2023) Cryo-EM structure of a bacteriophage M13 mini variant. *Nature communications*, 14(1), 5421.

Yang JE, et al. (2023) Correlative montage parallel array cryo-tomography for in situ structural cell biology. *Nature methods*, 20(10), 1537.

Wald J, et al. (2022) Mechanism of AAA+ ATPase-mediated RuvAB-Holliday junction branch migration. *Nature*, 609(7927), 630.

Pinto AL, et al. (2022) Ultrastructural insight into SARS-CoV-2 entry and budding in human airway epithelium. *Nature communications*, 13(1), 1609.

Ng WM, et al. (2022) Structure of trimeric pre-fusion rabies virus glycoprotein in complex with two protective antibodies. *Cell host & microbe*, 30(9), 1219.