## **Resource Summary Report**

Generated by <u>dkNET</u> on May 8, 2025

# 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:** portal, service resource, storage service resource, project portal, data repository, data or information resource

Defining Citation: PMID:20935055, PMID:20888470

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

Funding: NIGMS R01 GM079429; BBSRC BBG022577

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: 20250508T064836+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: <u>SciCrunch Registry</u>

## **Usage and Citation Metrics**

We found 161 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

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.

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.

Kocha?czyk 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.

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.

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.