

Resource Summary Report

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[cryoSPARC](#)

RRID:SCR_016501

Type: Tool

Proper Citation

cryoSPARC (RRID:SCR_016501)

Resource Information

URL: <https://cryosparc.com/>

Proper Citation: cryoSPARC (RRID:SCR_016501)

Description: Software integrated platform used for obtaining 3D structural information from single particle cryo-EM data. Enables automated, high quality and high-throughput structure discovery of proteins, viruses and molecular complexes for research and drug discovery.

Resource Type: data processing software, image analysis software, software application, software resource

Defining Citation: [PMID:28165473](#)

Keywords: Structura Biotechnology Inc., data, processing, analysis, image, single, particle, cryo-EM, structure, discovery, automated, protein, virus, molecular, complex

Availability: Available free of charge for academic users with a valid institutional email address, Trail available

Resource Name: cryoSPARC

Resource ID: SCR_016501

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260905T133051+0000

Ratings and Alerts

No rating or validation information has been found for cryoSPARC.

No alerts have been found for cryoSPARC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2939 mentions in open access literature.

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

Lupton CJ, et al. (2026) Structure of the lysosomal KICSTOR-GATOR1-SAMTOR nutrient-sensing supercomplex. *Cell*.

Kannan S, et al. (2026) Evolution-guided protein design of IscB for persistent epigenome editing in vivo. *Nature biotechnology*, 44(5), 759.

Addetia A, et al. (2026) Potent neutralization of Marburg virus by a vaccine-elicited antibody. *Nature*, 650(8101), 459.

Gardiner AT, et al. (2026) Two solutions for efficient light-harvesting in phototrophic Gemmatimonadota. *mSystems*, 11(1), e0109425.

Yang B, et al. (2026) Structural basis of outer membrane biogenesis by the TamAB translocase. *Nature communications*, 17(1), 437.

Crowley BM, et al. (2026) Discovery and development of a new oxazolidinone with reduced toxicity for the treatment of tuberculosis. *Nature medicine*, 32(2), 553.

Koritnik N, et al. (2026) Species-specific structural adaptation of the potyviral coat protein in virions and virus-like particles. *Communications biology*, 9(1), 226.

Scherer M, et al. (2026) Protection against lethal canine distemper virus infection by a dual epitope-targeting synthetic antibody. *Nature communications*, 17(1), 103.

Dmytrenko O, et al. (2026) RNA-triggered Cas12a3 cleaves tRNA tails to execute bacterial immunity. *Nature*, 649(8099), 1312.

Samani EK, et al. (2026) Structural basis of product recognition by Mycobacterium tuberculosis fatty acid synthase. *Protein science : a publication of the Protein Society*, 35(1), e70412.

De Tavernier E, et al. (2026) TPP-45142-an Anti-HER2 T-cell Engager-Designed for Selective HER2-Low Cancer Immunotherapy. *Molecular cancer therapeutics*, 25(4), 541.

Liu Y, et al. (2026) Noncanonical calcium-independent TRPM4 activation governs intestinal fluid homeostasis. *Nature communications*, 17(1), 1253.

Nam YW, et al. (2026) Structural basis for the subtype-selectivity of KCa2.2 channel activators. *Nature communications*, 17(1), 531.

Earp JC, et al. (2026) Structural elucidation of the hexameric MmpS4-MmpL4 complex from *Mycobacterium tuberculosis*. *bioRxiv* : the preprint server for biology.

Baral J, et al. (2026) Bringing the ends together: cryo-EM structures of mycobacterial Ku in complex with DNA define its role in NHEJ synapsis. *Nucleic acids research*, 54(1).

Boniardi I, et al. (2026) Molecular recognition of thyroglobulin by sortilin. *Nature communications*, 17(1).

Ivanochko D, et al. (2026) A stabilized tandem antigen chimera that elicits potent malaria transmission-reducing activity. *Nature communications*, 17(1).

Li H, et al. (2026) The vault particle is enclosed by a C13-symmetric cap with a positively charged exterior. *Science advances*, 12(8), eadz6794.

Chen J, et al. (2026) Molecular insights into fungal inositol phosphorylceramide synthesis and its inhibition by antifungal aureobasidin A. *Nature communications*, 17(1).

Jasnauskaitė M, et al. (2026) Structure and mechanism of antiphage retron Eco2. *Nature structural & molecular biology*, 33(2), 330.