Resource Summary Report

Generated by kravitz2 on Sep 17, 2026

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: 20260912T200104+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 kravitz2 .

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).

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