

Resource Summary Report

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UCSF ChimeraX

RRID:SCR_015872

Type: Tool

Proper Citation

UCSF ChimeraX (RRID:SCR_015872)

Resource Information

URL: <https://www.cgl.ucsf.edu/chimerax/>

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Description: Software for 3D/4D image reconstruction. UCSF ChimeraX is the next-generation molecular visualization program from the Resource for Biocomputing, Visualization, and Informatics (RBVI), following UCSF Chimera.

Synonyms: ChimeraX

Resource Type: software resource, 3d visualization software, software application, 4d visualization software, data visualization software, data processing software

Keywords: 3d, 4d, image reconstruction, molecular visualization, biocomputing, informatics, rbvi, ucsf, chimera

Funding: NIGMS P41 GM103311

Resource Name: UCSF ChimeraX

Resource ID: SCR_015872

License: UCSF ChimeraX Non-Commercial Software License Agreement

License URLs: <http://www.rbvi.ucsf.edu/chimerax/docs/license.html>

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260808T190026+0000

Ratings and Alerts

No rating or validation information has been found for UCSF ChimeraX.

No alerts have been found for UCSF ChimeraX.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2366 mentions in open access literature.

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

Brock DC, et al. (2026) Rare heterozygous missense variants in VSX2 are associated with retinal detachment. PLoS genetics, 22(2), e1012027.

Zhang W, et al. (2026) Structural plasticity enables broad cAn binding and dual activation of CRISPR-associated ribonuclease Cdn1. Nucleic acids research, 54(3).

Torras-Llort M, et al. (2026) Phosphorylation of Barrier-to-Autointegration Factor (BAF) regulates anchoring of centromeric heterochromatin to the nuclear envelope (NE). Nucleic acids research, 54(3).

Song Z, et al. (2026) Graph-Based Deep Learning Models for Predicting pKa Values of Protein-Ionizable Residues via Physically Inspired Feature Engineering. Journal of chemical information and modeling, 66(3), 1742.

Pisil Y, et al. (2026) Structural Adaptability of IgA and IgM Supports Broad SARS-CoV-2 Variant Neutralization. Journal of medical virology, 98(1), e70790.

Abdelwahid MAS, et al. (2026) Diastereomeric Branched-Ester dBET1 Analogs Exhibit Conformation-Dependent Differences in Passive Membrane Permeability. Journal of medicinal chemistry, 69(3), 2900.

Watanabe Y, et al. (2026) Intra-patient neuraminidase mutations in avian H5N1 influenza virus reduce sialidase activity to complement weaker hemagglutinin binding and facilitate human infection. PLoS pathogens, 22(1), e1013863.

Ding S, et al. (2026) Structural basis of CSN-mediated SCF deneddylation. Nature communications, 17(1), 951.

Tahiri G, et al. (2026) Coordinated gene family evolution shapes the genome of dimorphic Mucorales. Nature communications, 17(1).

Kärcher A, et al. (2026) The metabolic dysfunction-associated steatohepatitis (MASH) drug resmetirom exhibits broad nuclear receptor activity with minimal functional impact. Scientific reports, 16(1), 4083.

Zhang C, et al. (2026) De novo nucleotide biosynthesis and its dynamic regulation are crucial for systemic infection by extraintestinal Escherichia coli. PLoS pathogens, 22(1), e1013889.

Muthachikavil AV, et al. (2026) Computational Characterization of the Role of LEM2/LaminA Interactions on the Stability of BAF-Dimer Using Molecular Simulations. *Proteins*, 94(5), 1104.

Uda K, et al. (2026) Substrate specificity and action mechanism of the HerA-NurA nuclease from the hyperthermophilic archaeon *Thermococcus kodakarensis*. *mBio*, 17(3), e0352325.

AlAhmari FM, et al. (2026) An Oxygen-Releasing Mouthwash Reduces *Porphyromonas gingivalis* Biofilm and Suppresses *fimA* and *hagA* Expression. *International dental journal*, 76(2), 109432.

Drobni T, et al. (2026) Molecular structure of the ESCRT-III-based archaeal CdvAB cell division machinery. *Proceedings of the National Academy of Sciences of the United States of America*, 123(3), e2525941123.

McCool RS, et al. (2026) Structure and immunogenicity of an engineered soluble prefusion-stabilized EBV gB antigen. *Nature communications*, 17(1), 1197.

Waddey BT, et al. (2026) Neutralizing human monoclonal antibodies to poliovirus map to the receptor binding site. *Nature communications*, 17(1), 1512.

Srivastava S, et al. (2026) Development of a Thermostable and Broadly Neutralizing Pan-Sarbecovirus Vaccine Candidate. *ACS infectious diseases*, 12(1), 104.

Vaitkevicius K, et al. (2026) The DinG exonuclease acts as a primary quality controller to remove unprocessed ribosomal RNAs. *Nucleic acids research*, 54(1).

Lissner R, et al. (2026) A new role for lipoproteins LpqZ and FecB in orchestrating mycobacterial cell envelope biogenesis. *mBio*, 17(1), e0211925.