

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 application, software resource, data processing software, data visualization software, 4d visualization software, 3d visualization 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: 20260729T044402+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 1825 mentions in open access literature.

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

Larsen BB, et al. (2026) Functional and antigenic constraints on the Nipah virus fusion protein. bioRxiv : the preprint server for biology.

Mulvaney T, et al. (2026) Cryo-EM Analysis in CASP16. Proteins, 94(1), 447.

Pinto CS, et al. (2026) Actin arginylation alters myosin engagement and F-actin patterning despite structural conservation. The Journal of cell biology, 225(1).

Lee E, et al. (2026) Streptococcus pneumoniae HtrA is a dynamic and monomeric virulence factor capable of forming larger oligomeric complexes. Protein science : a publication of the Protein Society, 35(1), e70411.

Lyu Y, et al. (2026) An open axial channel of the AAA ClpXP protease enhances degradation of specific classes of protein substrates. Protein science : a publication of the Protein Society, 35(1), e70372.

Medina M, et al. (2026) Surface Morphometrics reveals local membrane thickness variation in organellar subcompartments. The Journal of cell biology, 225(3).

Hou Z, et al. (2026) In situ chromatin dynamics and HIV-1 nuclear trafficking. bioRxiv : the preprint server for biology.

Huang J, et al. (2026) Cryo-EM structures of antibodies elicited by germline-targeting HIV MPER epitope scaffolds. Cell reports, 45(1), 116818.

Lovatt C, et al. (2026) Memory engram synapse 3D macromolecular architecture visualized by cryoCLEM-guided cryoET. Structure (London, England : 1993), 34(1), 100.

Arevalo JA, et al. (2025) Age-related declines in mitochondrial Prdx6 contribute to dysregulated muscle bioenergetics. Redox biology, 86, 103808.

Bachochin MJ, et al. (2025) An allosteric network governs Tom70 conformational dynamics to coordinate mitochondrial protein import. bioRxiv : the preprint server for biology.

Bassi MR, et al. (2025) Deposition of complement regulators on the surface of Plasmodium falciparum merozoites depends on the immune status of the host. PLoS pathogens, 21(4), e1013107.

Abulude IJ, et al. (2025) Using AlphaFold-Multimer to study novel protein-protein interactions of predation essential hypothetical proteins in *Bdellovibrio*. *Frontiers in bioinformatics*, 5, 1566486.

Atherton J, et al. (2025) Microtubule association induces a Mg-free apo-like ADP pre-release conformation in kinesin-1 that is unaffected by its autoinhibitory tail. *Nature communications*, 16(1), 6214.

Gopal D, et al. (2025) The Mn-motif protein MAP6d1 assembles ciliary doublet microtubules. *Nature communications*, 16(1), 6210.

Lauruol F, et al. (2025) The *Plasmodium falciparum* homolog of Vps16 interacts with the core members of the Vps-C tethering complex. *mSphere*, 10(7), e0028725.

Afrin S, et al. (2025) Structural polymorphism of ex-vivo ALECT2 amyloid fibrils revealed by cryo-EM. *bioRxiv* : the preprint server for biology.

Tevere E, et al. (2025) Transcriptomic response to different heme sources in *Trypanosoma cruzi*. *bioRxiv* : the preprint server for biology.

Andorfer MC, et al. (2025) Structural basis for anaerobic alkane activation by a multisubunit glycyl radical enzyme. *Proceedings of the National Academy of Sciences of the United States of America*, 122(32), e2510389122.

Anderson ED, et al. (2025) Primary cortical neurons precipitate and extrude large mitochondria-associated calcium-phosphate sheets with a bone-precursor-like ultrastructure. *bioRxiv* : the preprint server for biology.