

Resource Summary Report

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UCSF Chimera

RRID:SCR_004097

Type: Tool

Proper Citation

UCSF Chimera (RRID:SCR_004097)

Resource Information

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

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Description: Software tool for interactive visualization and analysis of molecular structures and related data, including density maps, supramolecular assemblies, sequence alignments, docking results, trajectories, and conformational ensembles. High-quality images and animations can be generated. Chimera includes complete documentation and several tutorials.

Abbreviations: Chimera

Synonyms: Chimera - an Extensible Molecular Modeling System, UCSF Chimera - an Extensible Molecular Modeling System

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

Defining Citation: [PMID:15264254](https://pubmed.ncbi.nlm.nih.gov/15264254/)

Keywords: molecular modeling, electron microscopy, interactive visualization and analysis, molecular structures

Funding: NIGMS P41 GM103311;
NCRR P41 RR001081

Availability: Restricted

Resource Name: UCSF Chimera

Resource ID: SCR_004097

Alternate IDs: nlx_143560

Old URLs: <http://plato.cgl.ucsf.edu/chimera/>

Record Creation Time: 20220129T080222+0000

Record Last Update: 20250331T060345+0000

Ratings and Alerts

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

No alerts have been found for UCSF Chimera.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1978 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Faull SV, et al. (2025) MCM2-7 ring closure involves the Mcm5 C-terminus and triggers Mcm4 ATP hydrolysis. *Nature communications*, 16(1), 14.

Taheri MN, et al. (2025) Cliotide U1, a Novel Antimicrobial Peptide Isolated From *Urtica Dioica* Leaves. *Bioinformatics and biology insights*, 19, 11779322251315291.

Liu Z, et al. (2025) Anti-Neuroinflammatory Effects of Prenylated Indole Alkaloids from the Antarctic Fungus *Aspergillus* sp. Strain SF-7367. *Molecules (Basel, Switzerland)*, 30(2).

Balçıkç? E, et al. (2025) Structure of the Nipah virus polymerase complex. *The EMBO journal*, 44(2), 563.

Song BH, et al. (2025) Key virulence factors responsible for differences in pathogenicity between clinically proven live-attenuated Japanese encephalitis vaccine SA14-14-2 and its pre-attenuated highly virulent parent SA14. *PLoS pathogens*, 21(1), e1012844.

Gonda I, et al. (2025) The mycobacterial ABC transporter IrtAB employs a membrane-facing crevice for siderophore-mediated iron uptake. *Nature communications*, 16(1), 1133.

Akimov MG, et al. (2025) Two-Step Cell Death Induction by the New 2-Arachidonoyl Glycerol

Analog and Its Modulation by Lysophosphatidylinositol in Human Breast Cancer Cells. *International journal of molecular sciences*, 26(2).

Gawad WE, et al. (2025) Cyclic di AMP phosphodiesterase nanovaccine elicits protective immunity against *Burkholderia cenocepacia* infection in mice. *NPJ vaccines*, 10(1), 22.

Deutsch-Williams RJ, et al. (2025) FAP-Targeted Fluorescent Imaging Agents to Study Cancer-Associated Fibroblasts In Vivo. *Bioconjugate chemistry*, 36(1), 44.

Lai R, et al. (2025) Mechanism of Ampicillin Hydrolysis by New Delhi Metallo- β -Lactamase 1: Insight From QM/MM MP2 Calculation. *Journal of computational chemistry*, 46(1), e27544.

Junglas B, et al. (2025) Structural plasticity of bacterial ESCRT-III protein PspA in higher-order assemblies. *Nature structural & molecular biology*, 32(1), 23.

Bao Y, et al. (2025) Co-Existing Nanoplastics Further Exacerbates the Effects of Triclosan on the Physiological Functions of Human Serum Albumin. *Life (Basel, Switzerland)*, 15(1).

Salam R, et al. (2025) The discovery of a new nonbile acid modulator of Takeda G protein-coupled receptor 5: An integrated computational approach. *Archiv der Pharmazie*, 358(1), e2400423.

Butryn A, et al. (2025) Unidirectional MCM translocation away from ORC drives origin licensing. *Nature communications*, 16(1), 782.

Mukhopadhyay S, et al. (2025) Anti-Idiotypic Antibody as a Booster Vaccine Against Respiratory Syncytial Virus. *Vaccines*, 13(1).

Vascon F, et al. (2025) Snapshots of *Pseudomonas aeruginosa* SOS response reveal structural requisites for LexA autoproteolysis. *iScience*, 28(2), 111726.

Tian Y, et al. (2025) Structural insight into Okazaki fragment maturation mediated by PCNA-bound FEN1 and RNaseH2. *The EMBO journal*, 44(2), 484.

Iyer SS, et al. (2025) Centriolar cap proteins CP110 and CPAP control slow elongation of microtubule plus ends. *The Journal of cell biology*, 224(3).

Huhn A, et al. (2025) The molecular reach of antibodies crucially underpins their viral neutralisation capacity. *Nature communications*, 16(1), 338.

Le Bas A, et al. (2025) Structure of WzxE the lipid III flippase for Enterobacterial Common Antigen polysaccharide. *Open biology*, 15(1), 240310.