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

Defining Citation: PMID: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: 20260801T190237+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 2078 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Arnold P, et al. (2026) Base and translation of ?-glucocerebrosidase and its transporter LIMP-2 in neuropathies. Neural regeneration research, 21(1), 314.

Cidem A, et al. (2026) BLF stimulates neuronal differentiation via activation of p35/CDK5 signaling and AMPK-mediated mitochondrial regulation. Neurochemistry international, 192, 106106.

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

Zhu X, et al. (2025) The Aedes aegypti mosquito evolves two types of prophenoloxidases with diversified functions. Proceedings of the National Academy of Sciences of the United States of America, 122(3), e2413131122.

Bibi N, et al. (2025) Insilico targeting of virus entry facilitator NRP1 to block SARS-CoV2 entry. PloS one, 20(2), e0310855.

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).

Nai S, et al. (2025) Single-Step Isolation of Phyllacanthone From Cnidoscolus quercifolius Using Centrifugal Partition Chromatography. Journal of separation science, 48(2), e70094.

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

?miga M, et al. (2025) HmuY proteins of the Porphyromonas genus show diversity in heme-binding properties. Frontiers in cellular and infection microbiology, 15, 1560779.

Hua R, et al. (2025) Clinical and functional characterization of the GABRB3 p.Met80Val variant in early-onset epilepsy with long-term follow-up. Italian journal of pediatrics, 51(1), 195.

Guo X, et al. (2025) Env from EIAV vaccine delicately regulates NLRP3 activation via attenuating NLRP3-NEK7 interaction. PLoS pathogens, 21(6), e1012772.

Leardini D, et al. (2025) Biallelic SH2B3 germline variants are associated with a neonatal myeloproliferative disease and multisystemic involvement. European journal of human genetics : EJHG, 33(9), 1127.

Mitchem MM, et al. (2025) Dissecting the Cdc37 cochaperone code: Functional roles in chaperone-mediated stress adaptation. The Journal of biological chemistry, 301(10), 110672.

Rajala R, et al. (2025) Novel Function for Endothelial Protease-Activated Receptors in Modulating Insulin Receptor Activity With Implications for Diabetes. Arteriosclerosis, thrombosis, and vascular biology, 45(9), 1648.

Bubphasook W, et al. (2025) The mechanism of action of micafungin against pteropine orthoreovirus infection in the human A549 cell line. Archives of virology, 170(9), 201.

Zhang Z, et al. (2025) Cryo-EM structure of the full-length LGR4-RSPOs complex and a targeting nanobody for anti-obesity therapy. Nature communications, 16(1), 8406.

Yefsah K, et al. (2025) Crosstalk between cohesins and axis proteins determines meiotic chromosome architecture in Sordaria macrospora. PLoS genetics, 21(12), e1012001.

Sagadiev S, et al. (2025) The Lipid-binding PX Domain of RRC-1 (ARHGAP32/33) is Required for Optimal Assembly and Function of Integrin Adhesion Complexes at the Muscle Cell Boundary in C. elegans. bioRxiv : the preprint server for biology.

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.

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