

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

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: 20260803T040352+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 [ASWG](#) .

Arnold P, et al. (2026) Base and translation of β -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 prophenoloxidasases 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 *Cnidioscolus quercifolius* Using Centrifugal Partition Chromatography. *Journal of separation science*, 48(2), e70094.

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

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