

Resource Summary Report

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University of California at Santa Cruz Biomolecular Cryo Electron Microscopy Core Facility

RRID:SCR_021755

Type: Tool

Proper Citation

University of California at Santa Cruz Biomolecular Cryo Electron Microscopy Core Facility (RRID:SCR_021755)

Resource Information

URL: <https://cryoem.sites.ucsc.edu/>

Proper Citation: University of California at Santa Cruz Biomolecular Cryo Electron Microscopy Core Facility (RRID:SCR_021755)

Description: Biomolecular facility equipped with JEOL 120kV and Glacios 200 kV with K2 Summit direct detector. Provides insights and high throughput data collection and analysis, single particle analysis, sample screening, and high resolution reconstruction., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16, 2025.

Synonyms: Biomolecular Cryo Electron Microscopy Facility

Resource Type: access service resource, service resource, core facility

Keywords: USEDit, ABRF, single particle analysis, sample screening, high resolution reconstruction

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: University of California at Santa Cruz Biomolecular Cryo Electron Microscopy Core Facility

Resource ID: SCR_021755

Alternate IDs: ABRF_1223

Alternate URLs: <https://coremarketplace.org/?FacilityID=1223>

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260820T054951+0000

Ratings and Alerts

No rating or validation information has been found for University of California at Santa Cruz Biomolecular Cryo Electron Microscopy Core Facility.

No alerts have been found for University of California at Santa Cruz Biomolecular Cryo Electron Microscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Campos Mota Y, et al. (2026) Human broadly neutralizing influenza B virus antibodies recognizing hemagglutinin computationally optimized broadly reactive antigens. *Frontiers in immunology*, 17, 1747235.

Li EH, et al. (2026) Diel remodeling and cellular integration of the nitroplast. *bioRxiv : the preprint server for biology*.

Taechalertpaisarn J, et al. (2026) Exploring Passive Permeability Profiles of Cyclic Heptapeptide Chemical Space Uncovers Bioactivity of Mortiamide Scaffold Driven by Colloidal Aggregation. *Chembiochem : a European journal of chemical biology*, 27(9), e70329.

Dzimianski JV, et al. (2025) Assessing the structural boundaries of broadly reactive antibody interactions with diverse H3 influenza hemagglutinin proteins. *Journal of virology*, e0045325.

Ngoi P, et al. (2025) Structural mechanism for the recognition of E2F1 by the ubiquitin ligase adaptor Cyclin F. *Proceedings of the National Academy of Sciences of the United States of America*, 122(26), e2501057122.

Baumgartner JT, et al. (2025) Separation of halide oxidation and substrate halogenation chemistries rationalizes site-selective vanadium dependent haloperoxidase catalysis. *bioRxiv : the preprint server for biology*.

Balasco Serrão VH, et al. (2025) Biological Breakthroughs and Drug Discovery Revolution via Cryo-Electron Microscopy of Membrane Proteins. *Membranes*, 15(12).

Ye Q, et al. (2025) Human calpain-3 and its structural plasticity: Dissociation of a homohexamer into dimers on binding titin. *The Journal of biological chemistry*, 301(2), 108133.

Ngoi P, et al. (2025) Structural mechanism for recognition of E2F1 by the ubiquitin ligase adaptor Cyclin F. *bioRxiv : the preprint server for biology*.

Lanning S, et al. (2025) Discovery of three novel neutralizing antibody epitopes on the human astrovirus capsid spike and mechanistic insights into virus neutralization. *Journal of virology*, 99(2), e0161924.

Juarez MG, et al. (2025) Structures of respiratory syncytial virus G bound to broadly reactive antibodies provide insights into vaccine design. *Scientific reports*, 15(1), 8666.

Ye Q, et al. (2024) Human calpain-3 and its structural plasticity: dissociation of a homohexamer into dimers on binding titin. *bioRxiv : the preprint server for biology*.

Balasco Serrão VH, et al. (2024) Bacterial selenocysteine synthase structure revealed by single-particle cryoEM. *Current research in structural biology*, 7, 100143.

Kuhn AJ, et al. (2024) Amyloid- β Peptide Formed through Alternative Processing of the Amyloid Precursor Protein Attenuates Alzheimer's Amyloid- β Toxicity via Cross-Chaperoning. *Journal of the American Chemical Society*, 146(4), 2634.

Azimi FC, et al. (2023) A Frame-by-Frame Glance at Membrane Fusion Mechanisms: From Viral Infections to Fertilization. *Biomolecules*, 13(7).

Johnston AR, et al. (2022) Excitonically Coupled Simple Coacervates via Liquid/Liquid Phase Separation. *The journal of physical chemistry letters*, 13(44), 10275.