Resource Summary Report

Generated by RRID on Apr 8, 2025

University of California at San Francisco Advanced Microscopy Core Facility

RRID:SCR_025781
Type: Tool

Proper Citation

University of California at San Francisco Advanced Microscopy Core Facility (RRID:SCR_025781)

Resource Information

URL: https://emcore.ucsf.edu/

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Description: Core includes instrumentation for structural biology with focus on cryo-electron microscopy. Used for imaging ranging from atomic resolution to whole cells, with emphasis on linking structural and dynamics information with biological functions.

Synonyms: , W.M Keck Foundation Advanced Microscopy Laboratory, UCSF EM core

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

Keywords: Cryo-electron microscopy, cryo-EM, cryogenic electron microscopy, imaging, atomic resolution, whole cells,

Funding:

Resource Name: University of California at San Francisco Advanced Microscopy Core Facility

Resource ID: SCR_025781

Alternate IDs: ABRF_2929

Alternate URLs: https://coremarketplace.org/?FacilityID=2929&citation=1

Record Creation Time: 20240921T053245+0000

Record Last Update: 20250407T220913+0000

Ratings and Alerts

No rating or validation information has been found for University of California at San Francisco Advanced Microscopy Core Facility.

No alerts have been found for University of California at San Francisco Advanced Microscopy Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 36 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Pandey A, et al. (2024) Therapeutic Targeting and Structural Characterization of a Sotorasib-Modified KRAS G12C-MHC I complex Demonstrates the Antitumor Efficacy of Hapten-Based Strategies. Cancer research.

Louder RK, et al. (2024) Molecular basis of global promoter sensing and nucleosome capture by the SWR1 chromatin remodeler. Cell, 187(24), 6849.

Chen X, et al. (2024) RNA sample optimization for cryo-EM analysis. Nature protocols.

Hoyer MJ, et al. (2024) Combinatorial selective ER-phagy remodels the ER during neurogenesis. Nature cell biology, 26(3), 378.

Lu Y, et al. (2024) Structure of a step II catalytically activated spliceosome from Chlamydomonas reinhardtii. The EMBO journal.

Park EN, et al. (2024) B. subtilis MutS2 splits stalled ribosomes into subunits without mRNA cleavage. The EMBO journal, 43(4), 484.

Sanchez JC, et al. (2024) High-Resolution Cryo-EM Structure Determination of ?-synuclein - A Prototypical Amyloid Fibril. bioRxiv : the preprint server for biology.

Wagner J, et al. (2024) Visualizing chaperonin function in situ by cryo-electron tomography. Nature, 633(8029), 459.

Dederer V, et al. (2024) A designed ankyrin-repeat protein that targets Parkinson's disease-associated LRRK2. The Journal of biological chemistry, 300(7), 107469.

Li S, et al. (2023) Near-Atomic Resolution Cryo-EM Image Reconstruction of RNA. Methods in molecular biology (Clifton, N.J.), 2568, 179.

Wang H, et al. (2023) Phase Separation of Rubisco by the Folded SSUL Domains of CcmM in Beta-Carboxysome Biogenesis. Methods in molecular biology (Clifton, N.J.), 2563, 269.

Valik JK, et al. (2023) Predicting sepsis onset using a machine learned causal probabilistic network algorithm based on electronic health records data. Scientific reports, 13(1), 11760.

Law MCY, et al. (2023) Chikungunya virus nonstructural protein 1 is a versatile RNA capping and decapping enzyme. The Journal of biological chemistry, 299(12), 105415.

Das R, et al. (2023) Citrulline and kynurenine to tryptophan ratio: potential EED (environmental enteric dysfunction) biomarkers in acute watery diarrhea among children in Bangladesh. Scientific reports, 13(1), 1416.

Tian B, et al. (2022) Cryogenic superresolution correlative light and electron microscopy of vitreous sections. Biophysics reports, 8(4), 193.

Zhang K, et al. (2022) A step-by-step protocol for capturing conformational snapshots of ligand gated ion channels by single-particle cryo-EM. STAR protocols, 3(4), 101732.

DiCecco LA, et al. (2022) Advancing High-Resolution Imaging of Virus Assemblies in Liquid and Ice. Journal of visualized experiments : JoVE(185).

Chmielewski D, et al. (2022) Chikungunya virus assembly and budding visualized in situ using cryogenic electron tomography. Nature microbiology, 7(8), 1270.

Cai S, et al. (2022) In situ architecture of the lipid transport protein VPS13C at ER-lysosome membrane contacts. Proceedings of the National Academy of Sciences of the United States of America, 119(29), e2203769119.

Sheng Y, et al. (2022) Cryo-electron Tomography Remote Data Collection and Subtomogram Averaging. Journal of visualized experiments : JoVE(185).