

Resource Summary Report

Generated by SPARC SAWG on Sep 19, 2026

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,

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: 20260912T200452+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 190 mentions in open access literature.

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

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

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.

Park PMC, et al. (2024) Polymerization of ZBTB transcription factors regulates chromatin occupancy. Molecular cell, 84(13), 2511.

Hebert H, et al. (2024) Structure of the iminium reaction intermediate in an engineered aldolase explains the carboligation activity toward arylated ketones and aldehydes. Structure (London, England : 1993), 32(9), 1322.

Zhang C, et al. (2024) Mechanisms for HNH-mediated target DNA cleavage in type I CRISPR-Cas systems. Molecular cell, 84(16), 3141.

Qian D, et al. (2024) Structural insight into the Arabidopsis vacuolar anion channel ALMT9 shows clade specificity. Cell reports, 43(9), 114731.

Wang C, et al. (2024) Architecture of the bacteriophage lambda tail. Structure (London, England : 1993), 32(1), 35.

Liu C, et al. (2024) Mosaic RBD nanoparticle elicits immunodominant antibody responses across sarbecoviruses. Cell reports, 43(5), 114235.

Liu B, et al. (2024) An unconventional VH1-2 antibody tolerates escape mutations and shows an antigenic hotspot on SARS-CoV-2 spike. Cell reports, 43(6), 114265.

Zhang Z, et al. (2024) Mechanism of ceramide synthase inhibition by fumonisin B1. Structure (London, England : 1993), 32(9), 1419.

Cao S, et al. (2024) Recognition of BACH1 quaternary structure degrades by two F-box proteins under oxidative stress. Cell, 187(26), 7568.

He J, et al. (2024) Structural basis for the transport and substrate selection of human urate transporter 1. *Cell reports*, 43(8), 114628.

Knejski PP, et al. (2024) Chaperone-assisted cryo-EM structure of *P. aeruginosa* PhuR reveals molecular basis for heme binding. *Structure (London, England : 1993)*, 32(4), 411.

Chao TC, et al. (2024) Structural basis of the human transcriptional Mediator regulated by its dissociable kinase module. *Molecular cell*, 84(20), 3932.

Xu Y, et al. (2024) Partial closure of the γ -tubulin ring complex by CDK5RAP2 activates microtubule nucleation. *Developmental cell*, 59(23), 3161.

Liu F, et al. (2024) Structure-based discovery of CFTR potentiators and inhibitors. *Cell*, 187(14), 3712.

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

Hao A, et al. (2024) Structural insights into the FtsEX-EnvC complex regulation on septal peptidoglycan hydrolysis in *Vibrio cholerae*. *Structure (London, England : 1993)*, 32(2), 188.

Cai SW, et al. (2024) POT1 recruits and regulates CST-Pol γ /primase at human telomeres. *Cell*, 187(14), 3638.

Nam O, et al. (2024) A protein blueprint of the diatom CO₂-fixing organelle. *Cell*, 187(21), 5935.