Resource Summary Report

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University of Chicago Advanced Electron Microscopy Core Facility

RRID:SCR_019198
Type: Tool

Proper Citation

University of Chicago Advanced Electron Microscopy Core Facility (RRID:SCR_019198)

Resource Information

URL: https://voices.uchicago.edu/advancedem/

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Description: Offers instruments including Titan Krios with Gatan K3 detector, Aquilos Cryo-DualBeam system, Apreo Volume Scope Serial Blockface SEM, FEI Talos Cryo-EM.

Synonyms: Advanced Electron Microscopy

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

Keywords: USEDit, microscopy services, advanced microscopy, ABRF, ABRF

Resource Name: University of Chicago Advanced Electron Microscopy Core Facility

Resource ID: SCR_019198

Alternate IDs: ABRF_1084

Alternate URLs: https://coremarketplace.org/?FacilityID=1084

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260806T054711+0000

Ratings and Alerts

No rating or validation information has been found for University of Chicago Advanced Electron Microscopy Core Facility.

No alerts have been found for University of Chicago Advanced Electron Microscopy Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

Yamsek M, et al. (2026) Structural basis of regulated N-glycosylation at the secretory translocon. Nature, 649(8097), 777.

Shin H, et al. (2025) Structural basis of directionality control in large serine integrases. bioRxiv : the preprint server for biology.

Ramesh A, et al. (2025) Mapping the extracellular molecular architecture of the pAg-signaling complex with ?-Butyrophilin antibodies. Scientific reports, 15(1), 12162.

Zvi U, et al. (2025) Engineering spin coherence in core-shell diamond nanocrystals. Proceedings of the National Academy of Sciences of the United States of America, 122(21), e2422542122.

Ogbu CP, et al. (2025) Biophysical basis of tight junction barrier modulation by a pan-claudin-binding molecule. PNAS nexus, 4(6), pgaf189.

Laker RC, et al. (2025) GLP-1R/GCGR dual agonism dissipates hepatic steatosis to restore insulin sensitivity and rescue pancreatic ?-cell function in obese male mice. Nature communications, 16(1), 4714.

Krahn AH, et al. (2025) COPI-dependent intra-Golgi recycling at an intermediate stage of cisternal maturation. bioRxiv : the preprint server for biology.

Wai S, et al. (2025) Zwitterionic hydrogel designs for conducting polymers enable bioelectronics with suppressed foreign body responses. bioRxiv : the preprint server for biology.

Ross P, et al. (2025) Molecular characterization of the archaic HLA-B?73:01 allele reveals presentation of a unique peptidome and skewed engagement by KIR2DL2. The Journal of biological chemistry, 301(9), 110542.

Contreras GF, et al. (2025) Structural basis of voltage-dependent gating in BK channels. Nature communications, 16(1), 5846.

Chan YL, et al. (2025) Mei5-Sae3 stabilizes both active and inactive forms of Dmc1 filaments independently of its impact on ATP hydrolysis. Nucleic acids research, 53(20).

Xi B, et al. (2025) Polyelectrolyte complex micelles embedded in hyaluronic acid gels enable local, targeted miR-92a inhibition to accelerate diabetic wound repair. bioRxiv : the preprint server for biology.

Tjia-Fleck S, et al. (2025) Interactions between membrane-bound streptococcal alpha-enolase and human plasminogen captured through cryogenic-electron microscopy. Frontiers in molecular biosciences, 12, 1666748.

Smith AM, et al. (2025) The HIV-1 nuclear export complex reveals the role of RNA in CRM1 cargo recognition. Molecular cell, 85(16), 3108.

Kordon SP, et al. (2024) Conformational coupling between extracellular and transmembrane domains modulates holo-adhesion GPCR function. Nature communications, 15(1), 10545.

Erramilli SK, et al. (2024) Structural and biophysical insights into targeting of claudin-4 by a synthetic antibody fragment. Communications biology, 7(1), 733.

Cordero C, et al. (2024) Contributing factors to the oxidation-induced mutational landscape in human cells. Nature communications, 15(1), 10722.

Padi SKR, et al. (2024) Cryo-EM structures of PP2A:B55-FAM122A and PP2A:B55-ARPP19. Nature, 625(7993), 195.

Sohoni S, et al. (2024) Optically accessible long-lived electronic biexcitons at room temperature in strongly coupled H- aggregates. Nature communications, 15(1), 8280.

Puppala AK, et al. (2024) Human selenocysteine synthase, SEPSECS, has evolved to optimize binding of a tRNA-based substrate. Nucleic acids research, 52(21), 13368.