Resource Summary Report

Generated by NIF on Apr 19, 2025

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/

Proper Citation: University of Chicago Advanced Electron Microscopy Core Facility

(RRID:SCR_019198)

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: service resource, core facility, access service resource

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

Funding:

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: 20250419T055654+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 27 mentions in open access literature.

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

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

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

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.

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.

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.

Hoenig E, et al. (2024) In situ generation of (sub) nanometer pores in MoS2 membranes for ion-selective transport. Nature communications, 15(1), 7911.

Zhang T, et al. (2024) Native mass spectrometry and structural studies reveal modulation of MsbA-nucleotide interactions by lipids. Nature communications, 15(1), 5946.

Sampathkumar V, et al. (2024) Synaptic integration of somatosensory and motor cortical inputs onto spiny projection neurons of mice caudoputamen. The European journal of neuroscience, 60(8), 6107.

Rathnayake SS, et al. (2024) Cryo-EM Structures of Clostridium perfringens Enterotoxin Bound to its Human Receptor, Claudin-4. bioRxiv: the preprint server for biology.

Readnour BM, et al. (2024) High-resolution cryo-EM analysis of a Streptococcus pyogenes M-protein/human plasminogen complex. Structure (London, England: 1993), 32(12), 2231.

Kordon SP, et al. (2024) Structural analysis and conformational dynamics of a holo-adhesion GPCR reveal interplay between extracellular and transmembrane domains. bioRxiv: the preprint server for biology.

Wang R, et al. (2023) Treatment of peanut allergy and colitis in mice via the intestinal release of butyrate from polymeric micelles. Nature biomedical engineering, 7(1), 38.

Ayarza J, et al. (2023) Bioinspired mechanical mineralization of organogels. Nature communications, 14(1), 8319.

Padi SKR, et al. (2023) Cryo-EM structures of PP2A:B55-FAM122A and PP2A:B55-ARPP19. bioRxiv: the preprint server for biology.

lyaswamy A, et al. (2023) Fe65-engineered neuronal exosomes encapsulating corynoxine-B ameliorate cognition and pathology of Alzheimer's disease. Signal transduction and targeted therapy, 8(1), 404.

Erramilli SK, et al. (2023) Cryo-EM structures of a synthetic antibody against 22 kDa claudin-4 reveal its complex with Clostridium perfringens enterotoxin. bioRxiv: the preprint server for biology.

Utschig LM, et al. (2023) Solar water splitting Pt-nanoparticle photosystem I thylakoid systems: Catalyst identification, location and oligomeric structure. Biochimica et biophysica acta. Bioenergetics, 1864(3), 148974.

Malarz K, et al. (2023) Identification and Biological Evaluation of a Water-Soluble Fullerene Nanomaterial as BTK Kinase Inhibitor. International journal of nanomedicine, 18, 1709.