Resource Summary Report

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Pennsylvania State University Huck Institutes Cryo-Electron Microscopy Core Facility

RRID:SCR_024456
Type: Tool

Proper Citation

Pennsylvania State University Huck Institutes Cryo-Electron Microscopy Core Facility (RRID:SCR_024456)

Resource Information

URL: https://www.huck.psu.edu/core-facilities/cryo-electron-microscopy-facility

Proper Citation: Pennsylvania State University Huck Institutes Cryo-Electron Microscopy Core Facility (RRID:SCR_024456)

Description: Cryo-Electron Microscopy Facility houses FEI Titan Krios microscope that offers data collection for life sciences while incorporating materials science applications. Used for creating super high definition 3D images of atoms and molecules. Facility allows for fully automated atomic resolution single particle and high contrast tomography tilt-series data collection. Additional microscopy components permit a full range of materials science applications, including EELS, STEM, and DPC. Facility also houses ThermoFisher Arctica G2.

Synonyms: Huck Institutes' Cryo-Electron Microscopy Facility

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

Keywords: ABRF, CryoEM, Cryo-electron Microscopy, single particle analysis, Arctica, Krios, 3D images of atoms and molecules,

Resource Name: Pennsylvania State University Huck Institutes Cryo-Electron Microscopy Core Facility

Resource ID: SCR_024456

Alternate IDs: ABRF_2448

Alternate URLs: https://coremarketplace.org/RRID:SCR_024456?citation=1, https://coremarketplace.org/?FacilityID=2448&citation=1

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Ratings and Alerts

No rating or validation information has been found for Pennsylvania State University Huck Institutes Cryo-Electron Microscopy Core Facility.

No alerts have been found for Pennsylvania State University Huck Institutes Cryo-Electron Microscopy Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Ghasemi M, et al. (2026) Cryogenic transmission electron microscopy reveals assembly and nanostructure of PEDOT:PSS. Nature communications, 17(1).

Dang L, et al. (2026) WebCalEM: a browser-based tool for routine and accurate pixel size calibration in cryo-EM. bioRxiv : the preprint server for biology.

Saha P, et al. (2026) Catalytic Wiring of Enzymatic Cascades Using ROS-Flux-Regulated Biodegradable Borophene. Small (Weinheim an der Bergstrasse, Germany), 22(22), e12858.

Adu OF, et al. (2025) Structures and functions of the limited natural polyclonal antibody response to parvovirus infection. Proceedings of the National Academy of Sciences of the United States of America, 122(8), e2423460122.

Qayyum MZ, et al. (2024) Structure and function of the Si3 insertion integrated into the trigger loop/helix of cyanobacterial RNA polymerase. Proceedings of the National Academy of Sciences of the United States of America, 121(8), e2311480121.

Lee H, et al. (2024) Infectious parvovirus B19 circulates in the blood coated with active host protease inhibitors. Nature communications, 15(1), 9543.