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: service resource, core facility, access service resource

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

Funding:

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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Record Last Update: 20250503T061147+0000

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 2 mentions in open access literature.

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

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

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.