

Resource Summary Report

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University of Nebraska Lincoln CryoEM Core Facility

RRID:SCR_025012

Type: Tool

Proper Citation

University of Nebraska Lincoln CryoEM Core Facility (RRID:SCR_025012)

Resource Information

URL: <https://biotech.unl.edu/cryoem>

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Description: Core facility is dedicated to structural characterization of biological samples and microcrystals using cryo-electron microscopy. CryoEM workflows including, single-particle CryoEM, Cryo-electron tomography , and Micro crystal electron diffraction. Instrumentation includes TFS 200kV Glacios CryoTEM, equipped with zero-loss Selectris Energy Filter, Flacon 4i Direct Electron Detector, and Ceta-D camera, Pelco Easy Glow Discharger, TFS Vitrobot Mark IV, and Leica EM GP2. We also present all the capacities for storing and shipping samples. Facility has Data storage Server and Live processing workstation for our users? convenience, including data processing suites RELION and CryoSPARC available at our campus supercomputer Swan cluster at the Holland Computer Center.

Synonyms: CryoEM Core Facility

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

Keywords: ABRF, structural characterization, biological samples, microcrystals, cryo-electron microscopy, single-particle CryoEM, Cryo-electron tomography, Micro crystal electron diffraction,

Resource Name: University of Nebraska Lincoln CryoEM Core Facility

Resource ID: SCR_025012

Alternate IDs: ABRF_2633

Alternate URLs: <https://coremarketplace.org/?FacilityID=2633&citation=1>

Record Creation Time: 20240215T050247+0000

Ratings and Alerts

No rating or validation information has been found for University of Nebraska Lincoln CryoEM Core Facility.

No alerts have been found for University of Nebraska Lincoln CryoEM Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Baranovskiy AG, et al. (2026) Structural insights into HSV-1 origin unwinding by the viral proteins UL9 and ICP8. Nucleic acids research, 54(11).

Baranovskiy AG, et al. (2025) The human primosome requires replication protein A when copying DNA with inverted repeats. Nucleic acids research, 53(15).

Vyzourek BT, et al. (2025) Systematic characterization of mammalian extracellular vesicles using nano-flow cytometry. Extracellular vesicle, 6.