

# 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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.