

Resource Summary Report

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Colorado University at Boulder BioChemistry Krios Electron Microscopy Core Facility

RRID:SCR_019057

Type: Tool

Proper Citation

Colorado University at Boulder BioChemistry Krios Electron Microscopy Core Facility
(RRID:SCR_019057)

Resource Information

URL: <https://www.colorado.edu/facility/biokem/>

Proper Citation: Colorado University at Boulder BioChemistry Krios Electron Microscopy Core Facility (RRID:SCR_019057)

Description: Provides single particle cryo EM and cryo tomography of plunge frozen samples. Using Titan Krios G3i for high resolution data collection on Gatan K3 Direct Detection Camera facility is able to offer data collection at atomic level resolution. Facility uses Serial EM for SPA and cryo-ET data acquisition.

Abbreviations: BioKEM

Synonyms: BioChemistry Krios Electron Microscopy, BioChemistry Krios Electron Microscopy facility

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

Keywords: Electron microscopy, single particle cryon EM, cryo tomography, frozen sample, data collection, atomic level resolution, USEDit, Acquisition and Analysis for Electron Tomography, ABRF, ABRF

Resource Name: Colorado University at Boulder BioChemistry Krios Electron Microscopy Core Facility

Resource ID: SCR_019057

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260905T133418+0000

Ratings and Alerts

No rating or validation information has been found for Colorado University at Boulder BioChemistry Krios Electron Microscopy Core Facility.

No alerts have been found for Colorado University at Boulder BioChemistry Krios Electron Microscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Song J, et al. (2026) RNA-induced PRC2 inhibition depends on the sequence of bound RNA. Nature communications, 17(1).

Vo A, et al. (2026) Designing Rigid Protein Fiducials to Visualize GPCR Conformational States. bioRxiv : the preprint server for biology.

Tian W, et al. (2026) Structure of the human HIRA histone chaperone with a nucleosome suggests a stepwise nucleosome assembly mechanism. bioRxiv : the preprint server for biology.

Weerawarana SR, et al. (2026) TFAM organizes DNA into compact higher order structures. bioRxiv : the preprint server for biology.

Tak U, et al. (2026) Bacterial 2',3'-cGAMP activates a SAVED effector to form membrane-disrupting filaments and restrict phage replication. Cell host & microbe, 34(4), 720.

Villalta A, et al. (2025) Melbournevirus encodes a shorter H2B-H2A doublet histone variant that forms structurally distinct nucleosome structures. Nature communications, 16(1), 6903.

Song J, et al. (2025) RNA-induced PRC2 inhibition depends on the sequence of bound RNA. Research square.

Toner CM, et al. (2024) Characterization of Medusavirus encoded histones reveals nucleosome-like structures and a unique linker histone. Nature communications, 15(1), 9138.

Song J, et al. (2024) Diverse RNA Structures Induce PRC2 Dimerization and Inhibit Histone Methyltransferase Activity. bioRxiv : the preprint server for biology.