

# Resource Summary Report

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## Northwestern University Center for Atom Probe Tomography Core Facility

RRID:SCR\_017884

Type: Tool

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### Proper Citation

Northwestern University Center for Atom Probe Tomography Core Facility  
(RRID:SCR\_017884)

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### Resource Information

**URL:** <http://arc.nucapt.northwestern.edu>

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**Description:** Core specializes in high-resolution chemical imaging by three-dimensional atom-probe tomography (APT). APT produces three-dimensional (3D) atom-by-atom elementally and isotopically resolved image with sub-nanometer spatial resolution of sample volume typically 100 x 100 x 300 nm<sup>3</sup>, by simultaneous high resolution direct-space imaging and atom-by-atom time of flight mass spectrometry. APT is particularly suited to study nano- or nanostructured materials.

**Abbreviations:** NUCAPT

**Synonyms:** Northwestern University Center for Atom-Probe Tomography

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

**Keywords:** Atom, probe, tomography, chemical, imaging, 3D, isotopic, subnanometer, spacial, resoulution, sample, volume, nanostructured, material, service, core, ABRF

**Funding:** NSF MRI DMR 0420532;  
ONR-DURIP programs ;  
NSF DMR 1720139;  
NSF ECCS 1542205;  
Initiative for Sustainability and Energy (ISEN) at Northwestern University

**Availability:** Open

**Resource Name:** Northwestern University Center for Atom Probe Tomography Core Facility

**Resource ID:** SCR\_017884

**Alternate IDs:** ABRF\_726

**Record Creation Time:** 20220129T080337+0000

**Record Last Update:** 20260903T235438+0000

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## Ratings and Alerts

No rating or validation information has been found for Northwestern University Center for Atom Probe Tomography Core Facility.

No alerts have been found for Northwestern University Center for Atom Probe Tomography Core Facility.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.