# Resource Summary Report

Generated by NIF on Apr 18, 2025

## Penn Regional Nanotechnology Facility

RRID:SCR_010029
Type: Tool

### Proper Citation

Penn Regional Nanotechnology Facility (RRID:SCR_010029)

### Resource Information

**URL:** http://eagle-i.itmat.upenn.edu/i/00000140-2b21-9c5c-6ba0-cf2f80000000

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**Description:** The Penn Regional Nanotechnology Facility (PRN) is a full-service center equipped with a wide range of state-of-the-art instrumentation for materials analysis. Nanoscale characterization of polymers, ceramics, composites, metals, electronics, and thin films is conducted using scanning, transmission, and scanning-transmission electron microscopes, atomic force microscopes, and ion scattering techniques. A wide range of specimen preparation equipment is used including cryo-ultramicrotomy, jet electrolytic polishing, mechanical dimpling, ion beam thinning, tripod polishing, vacuum evaporation, sputter-coating and replication. Both analog and digital output are produced and in-house hardware and software are available for a wide range of image and spectrum processing tasks and for the calculation/simulation of electron-beam specimen interactions and microscope performance. The Nanotech Facility is setup to accommodate both academic and corporate users. Users have the option of working with a staff member or they may take advantage of our comprehensive user training in order to work independently on the instrument of their choice. Please feel free to contact us for any questions or comments about our facility.

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

**Funding:**

**Resource Name:** Penn Regional Nanotechnology Facility

**Resource ID:** SCR_010029

**Alternate IDs:** nlx_156499

**Record Creation Time:** 20220129T080256+0000

**Record Last Update:** 20250418T055232+0000

## Ratings and Alerts

No rating or validation information has been found for Penn Regional Nanotechnology Facility.

No alerts have been found for Penn Regional Nanotechnology Facility.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We have not found any literature mentions for this resource.