Massachusetts Institute of Technology Swanson Biotechnology Center Nanotechnology Materials Core Facility

RRID:SCR_018674
Type: Tool

Proper Citation

Massachusetts Institute of Technology Swanson Biotechnology Center Nanotechnology Materials Core Facility (RRID:SCR_018674)

Resource Information

URL: https://ki.mit.edu/sbc/nanocore

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Description: Provides instruments for materials and nanomaterials research and full service TEM and cryoTEM sample preparation and imaging. Conducts CLEM and cryoCLEM workflows utilizing cryoFluorescence, cryoSEM and cryoFIB with focus on bio samples. Provides equipment and expertise to work with nanomaterials for characterization and imaging purpose. Core imaging capabilities include high performance field emission transmission electron microscope equipped with STEM, EELS, EDS and cryo-imaging, high performance field emission scanning electron microscope and focused ion beam equipped with STEM and cryo-imaging, cryo-fluorescent confocal microscope for CLEM workflows, and atomic force microscope equipped with liquid cell. Instrumentation for material characterization includes high throughput dynamic light scattering, nanoparticle sizing and counting, and rheometry.

Synonyms: Bio and CryoEM in the Nanotechnology Materials Core

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

Keywords: USEDit, material research, nanomaterial, cryo imaging, cryo fluorescent confocal microscope, cryoSEM, cryoFIB, imaging, electron microscope, atomic force microscope, light scattering, nanoparticle sizing, rheometry, ABRF, ABRF
**Funding Agency:** NCI

**Availability:** Open

**Resource Name:** Massachusetts Institute of Technology Swanson Biotechnology Center Nanotechnology Materials Core Facility

**Resource ID:** SCR_018674

**Alternate IDs:** ABRF_767

**Alternate URLs:** https://coremarketplace.org/?FacilityID=767, https://ki.mit.edu/sbc/nanocore/fees

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**Ratings and Alerts**

No rating or validation information has been found for Massachusetts Institute of Technology Swanson Biotechnology Center Nanotechnology Materials Core Facility.

No alerts have been found for Massachusetts Institute of Technology Swanson Biotechnology Center Nanotechnology Materials Core Facility.

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**Data and Source Information**

**Source:** [SciCrunch Registry](https://coremarketplace.org/)

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**Usage and Citation Metrics**

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](https://ki.mit.edu/sbc/nanocore/fees).