

Core Facilities

Visit www.bu.edu/research/corefacilities or scan the QR code to learn more about Core Facilities.



BU has many facilities on the Charles River Campus & Photonics Center that provide services, expertise, and instruments for high-quality research. Some labs are specific to their supporting groups; most are available on a fee-for-service basis to researchers both inside and outside the University. BICsters have access to the following:

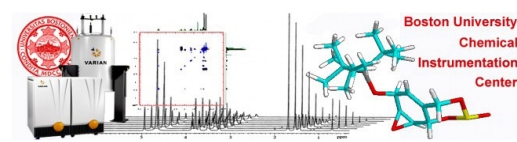
Center for Molecular Discovery Analytical Core

This core offers a variety of instrumentation and services which enable the chemical synthesis, analysis, purification, and distribution of biologically active small molecules for research.



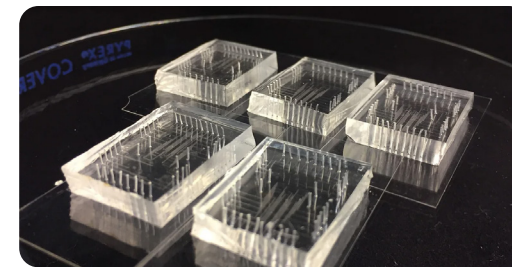
Chemical Instrumentation Center

CIC offers analytical instrumentation and services to scientists both within and outside of BU.



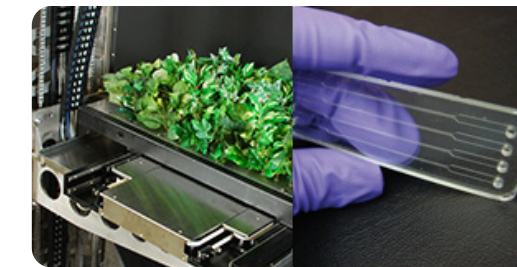
DAMP Lab

The Design, Automation, Manufacturing, and Processes (DAMP) Lab efficiently develops and tests novel biological systems at low cost with reproducible standards.



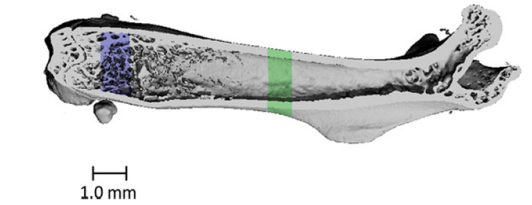
Fraunhofer Center for Manufacturing Innovation

CMI conducts applied research and development leading to the deployment of technological solutions that enhance the productivity and competitive position of our customers.



Micro-CT Imaging Facility

This core uses experimental and computational methods to explore the relationships between the structure and mechanical function of skeletal tissues at multiple length scales.



Photonics Center Shared Facilities

These facilities include semiconductor fabrication, testing and measurement, spectroscopy, electron, and atomic force microscopy.



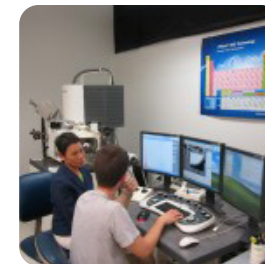
Optoelectronic Processing Facility

The OPF is a multi-user cleanroom outfitted with advanced equipment for fabricating semiconductor and optoelectronic devices on a wafer to die level.



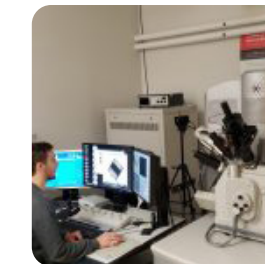
Precision Measurement Laboratory

PML is dedicated to the characterization of materials using scanning and surface probe microscopies. It also provides capabilities for examination of topographical features using optical laser interferometry profiling.



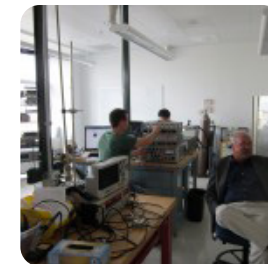
FIB/TEM Facility (FTF)

The Focused Ion Beam/Transmission Electron Microscopy Facility (FTF) located in B11B and B11C at the Photonics Center is a multi-user facility for materials characterization and high-resolution imaging and analysis of a variety of solid materials (non-biological) on nanoscale.



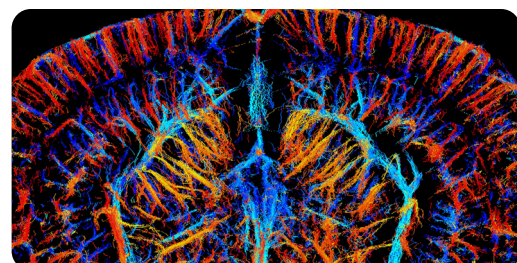
MSE Core Facilities

The Materials Science Core Facilities is a multi-user facility for materials science characterization. This facility houses a variety of equipment including processing hoods for materials preparation.



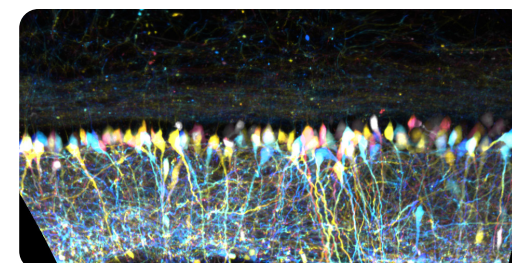
Neurophotonic Center

This core's goal is to build and supports an interdisciplinary community that can develop and broadly deploy impactful photonics technologies in the neurosciences.



Proteomics & Imaging Core Facility

PICF is a multi-user core facility that is part of the Biology Department, but serves the entire University's genomics, proteomics, and imaging needs.



SAIL (Software & Application Innovation Lab)

A professional research, software engineering, and consulting lab that acts as both a driver and a collaborative partner for computational and data-oriented research efforts across Boston University.



Scientific Instrument Facility

SIF is dedicated to providing high quality, cost effective hardware to Boston's research community.

