

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

Instrument	Manufacturer/Model	Location	Access requirements
Flow Cytometry			
Advanced Flow Cytometry Analyzers	BD LSR II (2 instruments) BD LSR-Fortessa (1 instrument)	FLOW CYTOMETRY RESOURCE CENTER (DWB 211)	Completion of appropriate training . FLOW CYTOMETRY RESOURCE CENTER on-line booking system registration is needed. Cardkey access; 24/7
Basic Flow Cytometry Analyzers	BD Accuri C6 (1 instrument)	FLOW CYTOMETRY RESOURCE CENTER (DWB 211)	Completion of appropriate training . FLOW CYTOMETRY RESOURCE CENTER on-line booking system registration is needed. Cardkey access; 24/7
Flow Cytometer analyzer	BD LSR II (5 lasers)	Translational Technology Core Laboratory (TTCL) (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system
Light Microscopy			
Inverted light microscope with B/W and color digital cameras, also fitted with phase contrast optics	Olympus IX71 microscope	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Widefield spectral imaging system	CRI Nuance camera on CRI Nuance camera on Olympus inverted microscope	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Upright multiphoton system	Olympus FV1000MPE Twin system with Coherent Vision II and XR IR lasers	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7
3D-SIM super-resolution microscopy system	Applied Precision Inc. OMX Blaze	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7
STORM/TIRF inverted microscope system also fitted with FLIM system	Nikon and Lambert Instruments/STORM/TIRF/FLIM Microscope	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7
Wide-field fluorescence/brightfield/DIC microscope	Zeiss, Axioplan 2 imaging upright	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Inverted fluorescence microscope for tissue culture cells	Nikon Eclipse TS100 inverted	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
CellVoyager spinning disk microscope system with full environmental control and multi-well dish holders	Olympus/Yokagawa CV1000	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

DeltaVision Image Restoration Microscope	Applied Precision / Olympus; Inverted Olympus IX-70 microscope (2)	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7
Inverted laser scanning confocal microscope	Leica SP8	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Inverted laser scanning confocal microscope	Zeiss LSM 510	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Inverted laser scanning confocal microscope	Zeiss LSM 780	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Light sheet microscope for imaging cleared samples	LaVision Ultramicroscope	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7
Spinning disk confocal microscope for real-time live cell imaging	Zeiss/Perkin-Elmer; Inverted Zeiss Axiovert 200 microscope	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Inverted multiphoton microscope system	Zeiss LSM 510 NLO	BIO-IMAGING RESOURCE CENTER (DWB 201)	Completion of appropriate training; cardkey access 24/7
Laser microdissection system	MMI CellCut system	BIO-IMAGING RESOURCE CENTER (DWB 202)	Completion of appropriate training; cardkey access 24/7
Incubator microscope for long-term live cell imaging with full environmental control	Olympus LCV110U VivaView	BIO-IMAGING RESOURCE CENTER - DWB 202	Completion of appropriate training; cardkey access 24/7
Live animal imaging	IVIS Illumina	COMPARATIVE BIOSCIENCE CENTER (CBC)	ACUC protocol approval; Completion of appropriate training; cardkey access 24/7
UV microscope for protein crystal inspection	JANSi UVEX	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; Cardkey access only after hours
Stereomicroscope	Nikon SMZ-18	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	cardkey access only after hours
Inverted microscope with digital camera	Zeiss/Axiovert 40 with Variable Relief Contrast (VAREL)	Translational Technology Core Laboratory (RU Hospital 234)	Reservation on the TTCL booking system
Electron Microscopy			
Transmission electron microscope	FEI Tecnai G2 Spirit BioTwin with Gatan 4K x 4K digital camera, Low dose, Cryo-EM and Serial EMA	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 152)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
200kV Cryo-Transmission Electron Microscope	FEI Talos Arctica with Gatan K2 Summit direct electron detector	Cryo-Electron Microscopy Resource Center (Smith B15)	Upon approval by Cryo-Electron Microscopy Center Director and with

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

			appropriate scheduling
300kV Cryo-Transmission Electron Microscope	FEI Titan Krios with Gatan K2 Summit direct electron detector	Cryo-Electron Microscopy Resource Center (Smith B15)	Upon approval by Cryo-Electron Microscopy Center Director and with appropriate scheduling
Transmission electron microscope	JEOL 100 cx with AMT 2K x 2K digital imaging system	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Transmission electron microscopes	JEOL 1400 Plus with Gatan 2K x 2K digital imaging system, EDS (Energy-dispersive X-ray spectroscopy), Low dose, Cryo-EM and Serial EMA	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Scanning electron microscope	ZEISS LEO 1550 with field-emission electron gun, Backscatter Detector	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 154)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Scanning electron microscope	ZEISS Merlin with field-emission electron gun, 3View, CLEM shuttle system	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 154A)	By Appointment
Cryo-plunger	FEI Vitrobot™ Mark IV – Automated sample vitrification	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Cryo-plunger	Gatan CP3	Cryo-Electron Microscopy Resource Center Sample prep room (Smith 509)	Upon approval by Cryo-Electron Microscopy Center Director and with appropriate scheduling
Ultramicrotome	REICHELTE Ultra Cut E ultramicrotomes	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Cryo-ultramicrotome	LEICA UC6b/EM FC6 cryoultramicrotome	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Glass knife-makers	LKB glass knife-makers	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
Vacuum Evaporator	EDWARDS Auto 306	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
High Pressure Freezer	LEICA High Pressure Freezer EM-PACT2	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

			appropriate scheduling
Freeze Substitution System	LEICA EM AFS2 Automatic Freeze Substitution System	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
EM Tissue Processor	LEICA EM TP Automatic Tissue Processor	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and with appropriate scheduling
EM Microwave Processor	PELCO BioWave® Pro-laboratory microwave system	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and EM-project with appropriate scheduling
Epi-fluorescent Microscope	NIKON EclipseTi – with Nikon CCD digital camera	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and EM-project with appropriate scheduling
Glow Discharger	GD110	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and EM-project with appropriate scheduling
Plasma Cleaner	Gatan Solaris	Cryo-Electron Microscopy Resource Center (Smith 509)	Upon approval by Cryo-Electron Microscopy Center Director and with appropriate scheduling
Computer Analysis Tablet	WACOM Cintiq	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and EM-project with appropriate scheduling
High Vacuum Coater for SEM	LEICA EM TP Automatic Tissue Processor	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and EM-project with appropriate scheduling
Vibrating Blade Microtome	LEICA VT100S	ELECTRON MICROSCOPY RESOURCE CENTER (RRB 120)	Upon approval by Electron Microscopy Center Director and EM-project with appropriate scheduling
Calorimeter			
Isothermal Calorimeter with micro titer plate auto-sample	GE MicroCal MicroITC	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Chromotography			
HPLC	Waters HPLC setup with auto sampler	PROTEOMICS RESOURCE CENTER - (RRB 156)	Completion of appropriate training
FPLC	GE AKTA purifier	STRUCTURAL BIOLOGY	Completion of appropriate training;

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

		RESOURCE CENTER (RRB 140)	cardkey access 24/7
Off-gel electrophoresis	3100 OFFGEL Fractionator	PROTEOMICS RESOURCE CENTER - (RRB 151)	Completion of appropriate training
Computing			
Image processing – LSM 510	" LSM 510 v. 3.2" confocal software (Zeiss) (projections, movies, ROI measurements, intensity profiles)	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – SoftWoRx	" SoftWoRx " (Applied Precision / DeltaVision) (deconvolution, volume rendering, surface rendering, quantification)	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – Imaris	" Imaris " "Surpass" and "FilamentTracer" (Bitplane) (volume rendering in 3D and 4D, surface rendering, measurements, colocalization, clipping planes, 4D tracking, filament tracing)	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – Huygens	" Huygens " deconvolution software (SVI) (modules for deconvolving confocal, spinning disk or multiphoton data)	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – MetaMorph	" MetaMorph " (Universal Imaging) (cell counting, tracking, measurements, kymographs)	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – Circusoft	" PFRET " software (Circusoft) (sensitized emission FRET analysis)	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – Adobe products	Adobe Photoshop and Adobe Premiere	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Image processing – Red Hat Linux	One linux workstation (using Red Hat linux) is available for deconvolving and processing images collected on the DeltaVision microscope.	BIO-IMAGING RESOURCE CENTER (DWB 203)	Completion of appropriate training; cardkey access 24/7
Cell analysis workstations	FLOW CYTOMETRY RESOURCE CENTER Analysis I, II and PC	FLOW CYTOMETRY RESOURCE CENTER (DWB 202A)	Both FLOW CYTOMETRY RESOURCE CENTER on-line booking system registration and CFS login/password are needed. Cardkey access 24/7

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

Microarray data analysis	GeneSpring	GENOMICS RESOURCE CENTER (WRB 723)	Cardkey access 24/7
Realtime PCR data analysis	Sequence detection system (SDS)	GENOMICS RESOURCE CENTER (WRB 723)	Cardkey access 24/7
Irradiators			
Cell irradiator	Nordian Cesium cell irradiator	DWB 1 st floor	Registered and approved users only; cardkey access, 24/7 (for information, contact labsafety@rockefeller.edu)
Animal X-ray irradiator	RadSource RS-2000	COMPARATIVE BIOSCIENCES CENTER 2 nd floor	As part of approved IACUC protocol only; scheduling and access via CBC staff in the main office; training through CBC Vet Services Supervisor (ext. 8526)
Liquid Handling			
Microtiter plate washer with stacker	Biotek EL406	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Automated High Throughput Pipetting Station	Tecan EVO	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Microtiter plate liquid dispenser and stacker	Thermo MultiDrop Combi with Rapidstack	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
96,24-well liquid handler	Formulatrix Formulator	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
96-well nanoliter dispenser	Art Robbins Phoenix	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
Radioactive Materials Handling			
Iodination fume hood	TEDA charcoal filtered hood	LS&EH (WRB A13)	By appointment with LS&EH
Beta scintillation counter	LKB WALLAC Beta Liquid Scintillation Counter, Model 1209	LS&EH (FRS A8)	24/7
Survey meter (beta)	Various handheld models	LS&EH (FRS A8)	For loan from LS&EH
Survey meter	Various handheld models	LS&EH (FRS A8)	For loan from LS&EH
Sample Quantitation			
Nucleic acid quantitation	NanoDrop -2000	GENOMICS RESOURCE CENTER	2- minute training; cardkey access

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

		(WRB 723)	24/7
Nucleic acid quantitation	NanoDrop-8000	GENOMICS RESOURCE CENTER (WRB 723)	Brief training; cardkey access 24/7
Plate Reader			
Luminometer	96 well plate luminometer	ANTIBODY AND BIORESOURCE CORE FACILITY (MSK)	By arrangement with Manager
Multi-function microplate reader with stacker	Biotek Synergy Neo	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Fluorescence kinetics microplate reader with built-in dispensing and stacker	Hamamatsu FDSS 6000	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Microplate reader Scintillation and luminescence	Perkin-Elmer TriLux	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
High Throughput Fluorescence microscope plate reader	Molecular Devices ImageXpress Micro	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
InfraRed Dye Scanner	LICOR Odyssey SA	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Dynamic Light Scattering Plate Reader	Wyatt Dynapro	HIGH THROUGHPUT SCREENING RESOURCE CENTER (DWB 210/214/216)	Completion of appropriate training; cardkey access 24/7
Absorbance/luminescence/fluorescence	BMG Labtechnology/FLUOstar Omega; 6-1536-well plates	Translational Technology Core Laboratory (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system
Multianalyte profiling (xMAP tech). Multiplex assay, absolute quantification of biomarkers (s/n, serum, plasma, sf, urine, etc.)	Luminex 200. 96-well plate	Translational Technology Core Laboratory (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system
Electrochemoluminescence Multiplex assay. Absolute quantification of biomarkers (s/n, serum, plasma, sf, urine, etc.)	MSD/Sector Imager 2400A. 96-well plate	Translational Technology Core Laboratory (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system
Single-molecule counting tech. Singleplex assay, absolute quantification of biomarkers (s/n, sf,	Singulex/Erenna Immunoassay System, high sensitivity (fg/ml)	Translational Technology Core Laboratory (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

serum, urine, etc..)			
PCR Instrument			
PCR	Roche LightCycler 480	GENOMICS RESOURCE CENTER (WRB 723)	Completion of appropriate training; cardkey access 24/7
PCR	GeneAmp PCR System 9700 (for 96-well and 384-well plates)	GENOMICS RESOURCE CENTER (WRB 723)	Cardkey access 24/7
qRT PCR	Lifetechnologies/7900HT 96-well plate	Translational Technology Core Laboratory (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system
Digital qRT-PCR; Absolute Quantification (mRNA copies, viral load, mutations)	Lifetechnologies/QuantoStudio 3D	Translational Technology Core Laboratory (RU Hospital 234)	Training by the TTCL. Reservation on the TTCL booking system
Spectroscopy			
NMR Spectrometer	Bruker Avance 600 MHz	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (Plaza A16)	Completion of Appropriate training; Cardkey access 24/7
High Throughput Solid-Phase Extraction TOF Mass Spectrometer	Rapid Fire 365 Agilent TOF	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 208)	Completion of Appropriate training; Cardkey access 24/7
Thermophoresis	NanoTemper MST	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 208)	Completion of Appropriate training; Cardkey access 24/7
Surface Plasmon Resonance	Bio-Rad Proteon XPR	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 208)	Completion of appropriate training; cardkey access 24/7
Circular Dichroism Spectrometer	Aviv 202 Circular Dichroism Spectrometer	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 208)	Completion of appropriate training; cardkey access 24/7
Mass Spectrometer	PerSeptive Voyager DE STR MALDI-TOF Mass Spectrometer	PROTEOMICS RESOURCE CENTER (RRB 151)	Completion of appropriate training; cardkey access 24/7
X-ray Diffraction			
Microscope, UV for crystal screening and spectroscopy	JanScientific	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
24,96-well liquid handler	Formulatrix Formulator	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
96-well nanoliter dispenser	Art Robbins Phoenix	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

Macromolecular Crystallography	Rigaku/MSC microMax 007 HF or HR optics with RaxisIV++ imageplate	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
Stereomicroscope	Nikon SMZ-18	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	cardkey access only after hours
Crystal Incubator, 20°C	Precision Scientific, Model 815	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	cardkey access only after hours
Cell Culture Suspension Shakers	New Brunswick Scientific	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	cardkey access only after hours
Celligen Plus Bioreactor	New Brunswick Scientific	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
Tissue Culture/Animal Prep			
Biological Safety Cabinet	Baker Class II 4'- For live animal and live cell imaging prep work	BIO-IMAGING RESOURCE CENTER (DWB 201)	By arrangement with the BIO-IMAGING RESOURCE CENTER Senior Director
Biological Safety Cabinet	Baker SterilGuard	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 208)	By arrangement with HIGH THROUGHPUT SCREENING and SPECTROSCOPY RESOURCE CENTER Director
Biological Safety Cabinet	Baker Class II 4'- For live animal and live cell imaging prep work	BIO-IMAGING RESOURCE CENTER (DWB 202B)	By arrangement with the BIO-IMAGING RESOURCE CENTER Senior Director
Incubator with CO2	For temp storage of live cell samples for imaging	BIO-IMAGING RESOURCE CENTER (DWB 201)	By arrangement with the BIO-IMAGING RESOURCE CENTER Senior Director
Incubator without CO2	For temp storage of live cell samples for imaging	BIO-IMAGING RESOURCE CENTER (DWB 201)	By arrangement with the BIO-IMAGING RESOURCE CENTER Senior Director
Celligen Plus Bioreactor	New Brunswick Scientific	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

Cell Culture Suspension Shakers	New Brunswick Scientific Model G25	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access only after hours
Imager and Electrophoresis Units			
Fluorescence /phosphor autoradiography /chemiluminescence	Amersham Biosciences Typhoon 9400 Variable Imager	PROTEOMICS RESOURCE CENTER (RRB 156)	Completion of appropriate training; cardkey access 24/7
Isoelectric focusing system	Pharmacia Multiphor II Isoelectric focusing system (available but no expertise in center)	PROTEOMICS RESOURCE CENTER (RRB 156)	Completion of appropriate training; cardkey access 24/7
Electrophoresis system	Pharmacia Ettan DALTsix electrophoresis system (available but no expertise in center)	PROTEOMICS RESOURCE CENTER (RRB 156)	Completion of appropriate training; cardkey access 24/7
InfraRed Laser Scanner (for Western Blots)	LiCor Odyssey SA	HIGH THROUGHPUT SCREENING AND SPECTROSCOPY RESOURCE CENTER (DWB 208)	Completion of appropriate training; cardkey access 24/7
Reservoir-free small gel PAGE, IEF	Pharmacia (GE) Phastsystem,	STRUCTURAL BIOLOGY RESOURCE CENTER (RRB 140)	Completion of appropriate training; cardkey access 24/7
Sonicator			
Sonicator	Covaris S2	GENOMICS RESOURCE CENTER (WRB 723)	Completion of appropriate training; cardkey access 24/7
Scanner			
Glass Slide Scanner	Agilent High Resolution DNA Microarray Scanner	GENOMICS RESOURCE CENTER (WRB 729)	Completion of appropriate training; cardkey access 24/7
In vivo Imaging			
IVIS Lumina in vivo fluorescent imaging system	PerkinElmer, IVIS Lumina 1	COMPARATIVE BIOSCIENCE CENTER (CBC vivarium)	Completion of appropriate training; cardkey access 24/7
Custom Fabrication Equipment			
Laser Cutter	VersaLASER (VLS6.60)	Precision Fabrication Resource Center (SC 02 Smith Hall)	Completion of appropriate training; cardkey access 24/7
3D Printer	ProJet 3510HD plus	Precision Fabrication Resource Center (SC 02 Smith Hall)	Completion of appropriate training; cardkey access 24/7
CNC Mill	MDX-540	Precision Fabrication Resource Center (SC 02 Smith Hall)	By consult only

Scientific Instrumentation Available for Use by the Research Community (updated 1/28/16)

Knee Mill	Bridgeport Series 1	Precision Fabrication Resource Center (SC 02 Smith Hall)	Completion of appropriate training; cardkey access with buddy present
Band Saw	Jet 14" wood/metal	Precision Fabrication Resource Center (SC 02 Smith Hall)	Completion of appropriate training; cardkey access with buddy present
Mitre Saw	Dewalt 12"	Precision Fabrication Resource Center (SC 02 Smith Hall)	Completion of appropriate training; cardkey access with buddy present
Drill Press	N/A	Precision Fabrication Resource Center (SC 02 Smith Hall)	Completion of appropriate training; cardkey access with buddy present