

RTI Shared Equipment	Location	Lab
Microscope - TIRF	S5-212	Zamore/Mello
FPLC - AKTAexplorer chromatography system	AS4-2002A	Zamore
Biosafety Cabinets (2) - NuAire Class II type A/B3	AS4-2025	Zamore
CO2 incubator (2) - Eppendorf New Brunswick Galaxy 17	AS4-2025	Zamore
Covaris focused ultra-sonicators shearer - E220	AS4-2005A	Zamore
Flow Cytometer - BD Biosciences Accuri C6	AS4-2005A	Zamore
FPLC - Bio-Rad Biologic LP (low-pressure, gradient chrom	AS4-2026	Zamore
Gel Dryers Thermo SGD5040 (3)	AS4-2002A	Zamore
Oven - Hybridization Oven UVP HB-1000	AS4-2003A	Zamore
Luminometer - Turner veritas with injectors	AS4-2005A	Zamore
NanoDrop OneC	As4-2005A	Zamore
PCR - Real Time Bio-Rad CFX96	AS4-2001A	Zamore
PCR - MJ (3, two PTC-100,one PTC200)	AS4-2001	Zamore
HPLC - Perseptive Biosystem BioCAD/Sprint (nonrefriger	AS4-2002A	Zamore
SpeedVac - Thermo Savant SPD121P with RVT	AS4-2002A	Zamore
UV Stratalinker 2400 Stratagene	AS4-2003A	Zamore
UV Spectrophotometer - Beckman DU640 w/melting ca	AS4-2002A	Zamore
Stereomicroscope - Leica MZFLIII with Spot RT3 CCD cam	AS4-2006A	Zamore
Stereomicroscope - Leica MZ6 Stereomicroscope (3)	AS4-2006A	Zamore
Stereomicroscope - Leica MS5 Stereomicroscope (2)	AS4-2006A	Zamore
Stereomicroscope - Nikon SMZ645	AS4-2025	Zamore
Water system - Milli-Q Synthesis	AS4-2002	Zamore
Gradient Fractionator - ISCO Teledyne IMHO 640 with U	AS4-2002A	Zamore
PCR - BioRad C1000Touch	AS4-2002	Zamore
PCR - BioRad C1000Touch	AS4-2003	Zamore
PCR - BioRad C1000Touch	AS4-2006	Zamore
Hybridization Oven IsoTemp	AS4-2002A	Zamore
Bioreactor ChemGlass 15L with Co2 and temperature co	AS4-2004A	Zamore
Centrifuge- Sorval Legend X1R tissue culture pkg	AS4-2012A	Xue
Biosafety Cabinets,Thermo 1300A2 (2x 4ft)	AS4-2012A	Xue
CO2 incubators,NAPCO 8000 (2)	AS4-2012A	Xue
PCR-Veriti® 96-Well Thermal Cycler (4)	AS4-2010A	Xue
HPLC - Analytical-semi-prep Agilent 1260 infinite	AS4-1005	Watts
HPLC - prep Agilent 1100 infinite	AS4-1005	Watts
HPLC - prep Agilent 1100 infinite	AS4-1006	Watts
DNA/RNA synthesizer - ABI	AS4-1005A	Watts
PNA synthesiser - Expedite	AS4-1005A	Watts
SpeedVac -Thermo	AS4-1005A	Watts
Rotavapor (2)	AS4-1006A	Watts
Nano drop - Thermo	AS4-1005	Watts
Spectrophotometer Cary UV/ - Agilent	AS4-1005	Watts
Speed Vac - thermo	AS4-1031	Watts
Biosafety cabinet	AS4-1029	Watts
Microplate reader- AccuSkan	AS4-1006	Watts
FPLC -Biotage- Purification	AS4-1006A	Watts
UV Spectrophotometer-NanoPhotometer P300 UV/Vis s	AS5-2028	Sontheimer
Biosafety Cabinets (Thermo 1300 series A2, 6ft)	AS5-2007A	Sontheimer
Biosafety Cabinets (Thermo 1300 series A2, 6ft)	AS5-2028	Sontheimer
CO2 incubator, air jacketed (HERA cell vios 160i)	AS5-2007A	Sontheimer
CO2 incubator, air jacketed (HERA cell vios 160i)	AS5-2028	Sontheimer
Shaker - Eppendorf New Brunswick Innova Double 44/4	AS5-2020	Sontheimer
centrifuge-table top, Eppendorf 5810R	AS5-2028	Sontheimer
centrifuge-table top, Eppendorf centrifuge 5424R	AS5-2007	Sontheimer
Speed Vac Concentrator SPD111V	AS5-2006A	Sontheimer
Gel dryer BioRad Double deck , Model 583	AS5-2006A	Sontheimer

Microfluidizer - Microfluidics M-110PS cell disruptor	AS4-2020	RTI-Zamore
Oven - Baking Oven	AS4-2037	RTI-Zamore
Centrifuge -Beckman Avanti J-26XP with Elutriator	AS4-2020	RTI-Zamore
Sequencing System - Illumina NextSeq500	AS5-2029	RTI-Zamore
Microscope - Leica DMI8 Inverted Fluorecent	AS4-1032	RTI-Zamore
Centrifuge High speed floor - Sorvall RC-6+ (4x1000,6x2500)	AS5-2020	RTI-Mello
Centrifuge Low speed floor - Sorvall RC 4 (LH-4000)	AS5-2020	RTI-Mello
Shaker - Thermo MAXQ 8000 - 443/493 Triple incubator	AS5-2020	RTI-Mello
Centrifuge Ultra - Beckman L-90K floor model (SW32Ti, SW40Ti)	AS4-1024	RTI-Korostelev
Shaker - Eppendorf New Brunswick Innova 44	AS4-1024	RTI-dept
Bioanalyzer (Agilent 2100 Electrophoresis Bionanalyzer)	AS4-1031	RTI dept
Centrifuge High speed floor - Sorvall RC-6+ (F10S 4x1000)	AS4-2020	RTI dept
Centrifuge Low speed floor - Sorvall RC 4 (LH-4000)	AS4-2020	RTI dept
Centrifuge Ultra - Beckman XE-90 floor model (SW32Ti, SW40Ti)	AS4-1024	RTI dept
Imager - BioRad VersDoc (incl red, green filters)	AS4-2028	RTI dept
HPLC - HP 1100 series	AS4-1016A	RTI dept
Imaging system - Li-Cor Odyssey Infrared	AS4-2002A	RTI dept
Lyophilizer - FreeZone Plus 2.5 Liter cascade Benchtop Freezer	AS4-1031	RTI dept
Microscope - ZEISS Invertaskop	AS4-1029	RTI dept
PCR - Real Time Bio-Rad CFX96 Touch	AS4-1031	RTI dept
PCR - Bio-Rad C1000	AS4-1031	RTI dept
PCR - Bio-Rad Real Time CFX96	AS4-1031	RTI dept
PhosphorImager - Fuji FLA 9500 Typhoon laser bio-imager	AS4-2028	RTI dept
Microplate Reader - Molecular Devices SpectraMax M5	AS4-1031	RTI dept
Liquid Scintillation Counter - PerkinElmer Tri-Carb 2910	AS4-2028	RTI dept
Shaker - Eppendorf New Brunswick Innova Double 44/44	AS4-1024	RTI dept
SpeedVac - Thermo Savant SPD131DDA with RVT400	AS4-1031	RTI dept
UV Spectrophotometer - Agilent Varian Cary 50	AS4-2028	RTI dept
Microscope - Olympus TIRF	AS4-1024A	RTI dept
Microscope - Upgrade Olypus IX-71 Deltavision Deconvolution	SCOPE Imaging center	RTI dept
PCR - Real Time Eppendorf Realplex Master cycler	AS4-1031	RTI dept
Microscope - Nikon Eclipse Ti - inverted Epi-fluorescent	AS4-2011A	RTI dept
Water system - Barnstead GenPure xCAD UV/UF-TOC	AS4-1037	RTI dept
Shaker - Eppendorf New Brunswick Innova 44R	AS4-1024	RTI dept
Centrifuge Ultra - Beckman Optima Max-TL table top	AS4-2020	RTI dept
Imager - GE LAS 4000 imaging system	AS4-2028	RTI dept
Sonicator - Fisher model 120 sonic dismembrator	AS4-2028	RTI dept
CO2 incubators (2) - Thermo Napco 8000	AS4-1029	RTI dept
Microplate Reader - BioTek Eon (absorbance)	AS4-1031	RTI dept
Crystal robot - ARI Gryphon	AS4-1033	RTI dept
Microplate Reader - Tecan Infinite M1000 Pro (Ab/FL/Lu)	AS4-1031	RTI dept
Sonicator - Branson D450 (cup horn)	AS4-2028	RTI dept
Phosphorimager-Typhoon FLA7000	AS4-2028	RTI dept
Water system - Barnstead GenPure xCAD Plus UV/UF-TOC	AS5-2008	RTI dept
PippinHT	AS4-1011A	RTI dept
Incubator for microbiology - Isotemp Gravity 30 C	AS4-1024	RTI dept
Incubator for microbiology - Isotemp Gravity 37 C	AS4-1024	RTI dept
Freezer -80 C backup	AS4-1024	RTI dept
Freezer -80 C backup	AS5- 2020	RTI dept
Gradient Fractionation System	AS4-1011A	RTI dept
FPLC system	AS4-1035	RTI dept
imager - Kodak imaging system	AS5-2003A	Pai
Cell Transfection System -Neon® Invitrogen	AS5-2003A	Pai
Bioruptor Pico Sonicator-Diagenode	AS5-2004A	Pai
Cell counter -CountessII FL	AS5-2004	Pai
Biosafety Cabinets (2) - NuAire Class II type A/B3	AS4-1010A	Moore

CO2 Incubators (2) - Revco	AS4-1010A	Moore
Gradient Fractionator - ISCO Teledyne Foxy Jr with UA	AS4-1035	Moore
Mixer Mills - Retsch (PM100, MM301)	AS4-1012A	Moore
Nucleofector - Amaxa	AS4-1010A	Moore
Plasma cleaner - basic	AS4-1010A	Moore
UV Spectrophotometer - Agilent	AS4-1011A	Moore
Stereomicroscope - SZX-16 Olympus	AS4-1033	Moore
UV Spectrophotometer-Nanodrop 1000	AS4-1011A	Moore
Sonicator - Branson D250	AS4-1009A	Moore
UV box	AS4-1009A	Moore
Gel Dryer Bio-Rad 583	AS4-1008A	Moore
UV stratalinker 1800 Stratagene	AS4-1008A	Moore
Oven - Hybridization Oven	AS4-1008A	Moore
SpeedVac - Savant SC110 with RVT400	AS4-1008A	Moore
UV Stratalinker	AS5-2014	Mello
Imager - Fuji Luminescent Image Analyzer	AS5-1013A	Mello
Needle Puller- Narishige Japan PN-30	AS5-2025B	Mello
Microscope - Zeiss Axioplan 2 GFP scope	AS5-2025A	Mello
Stereomicroscope - Zeiss Discovery Stereo GFP scope	AS5-2025A	Mello
Microscope - Zeiss Axiovert 200M Confocal Microscope	AS5-2025B	Mello
PCR - QuantStudio 5 Real Time PCR	AS5-2013	Mello
Microscope - Nikon Injection scope	AS5-2025	Mello
Sonicator - Bioruptor	AS5-2020A	Mello
Imager - Bio-Rad ChemiDoc	AS4-2014A	Mello
UV Spectrophotometer-NanoDrop ND-1000	AS5-2013	Mello
UV box	AS5-1014A	Mello
Microscope - EVOS fluorescent	ask	Mello
FPLC - Bio-Rad BioLogic DuoFlow Chromatography System	ask	Mello
UV Crosslinker with 254nm and 368nm bulbs	AS5-2014	Mello
Fast Prep - 24	AS5-1013A	Mello
FPLC - AKTAexplorer10 chromatography system	AS4-1001A	Korostelev
Centrifuge - Sorvall Legend XTR tabletop 4500rpm (swing)	AS4-1002A	Korostelev
Centrifuge Beckman Avanti J-E High speed floor (2 rotor)	AS4-1024	Korostelev
Incubator - Crystallographic (16C) - Thermo Precision	AS4-1001A	Korostelev
K100X glow discharge	AS4-1001A	Korostelev
NanoDrop 2000C	AS4-1001A	Korostelev
Shaker - Eppendorf New Brunswick Innova 44	AS4-1024	Korostelev
Stereomicroscope	AS4-1034	Korostelev
Microscope - for Crystals Leica TL RCI w/M205	AS4-1033	Korostelev
Water system - Barnstead Nanopure	AS4-1001	Korostelev
Solvent purification/drying system with 5 ports	AS4-1014A	Khvorova
Oligo Synthesizer GE ÄKTA Oligopilot 100 system	AS4-1016A	Khvorova
Peptide synthesizer 433A ABI	AS4-1016A	Khvorova
HPLC - Analytical-semi-prep (2) Agilent 1260 infinite	AS4-1016A	Khvorova
FPLC - AKTA purifier chromatography system	AS4-1013A	Khvorova
Karl fisher titrator - Metrohm 899 Coulometer	AS4-1013A	Khvorova
DNA/RNA synthesizer - ABI Expedite 8909	AS4-1016A	Khvorova
Teledyne Rf 200 Combiflash, flash purification system	AS4-1015A	Khvorova
SpeedVac - Savant DNA120	AS4-1031	Khvorova
Plate washer Biotek EIX405 Auto	AS4-1015	Khvorova
Biosafety Cabinets (2) - Thermo 1300 series A2, 6ft	AS4-1028	Khvorova
Microscope - Motic AE 2000 (GFP, CY3, DAPI, YFP)	AS4-1028	Khvorova
Photoreactor (UVA & UVC) - Luzchem LZC-4X with timer	AS4-1015A	Khvorova
Centrifuge Beckman Allegra X-15R (swingbucket)	AS4-1028	Khvorova
CO2 incubators (2) - Thermo	AS4-1028	Khvorova
LC-MS - Thermo Finnigan LCQ Deca XP Plus Mass Spectrometer	AS4-1024	Khvorova

R3 Rotavapor with heating bath, C-condenser, STJ 24/40	AS4-1014A	Khvorova
Nexcelom Bioscience Cellometer Auto1000	AS4-1028	Khvorova
Qiagen TissueLyser II	AS4-1016	Khvorova
DNA/RNA synthesizer MerMade8	AS4-1015A	Khvorova
HPLC Agilent preparative HPLC	AS4-1016A	Khvorova
LCMS Agilent QTOF LCMS system	AS4-1023	Khvorova
QuantiGene ovens	ask	Khvorova
M900 easydip slide staining system	ask	Khvorova
Stereomicroscope, Leica M3Z	AS4-1018	Grunwald
Special Vibration Table and custom built computer/micr	AS4-1018A	Grunwald
Osmometer Freezing Point (for 50 uL sample)-Precision	AS4-1017	Grunwald
Viscosimeter (rotational type)- Brookfield LVDV3T Rheo	AS4-1017	Grunwald
Refractometer- Projection Abbe ,Edmund Optics WY1A	AS4-1017	Grunwald
Centrifuge - Qiagen Sigma 1K15C refrigerated Benchtop	AS4-1017A	Grunwald
UV box- Spectroline UV Transilluminator	AS4-1017	Grunwald
Printer-3D MakerBot Replicator desktop 3D printer	AS4-1018	Grunwald
Digitizer -3D MakerBot Digitizer	AS4-1018	Grunwald
Qubit Fluorometer	AS4-1017	Grunwald
Qubit Fluorometer	AS4-1011	Garber
LifeTechnologies E-Gel x 2	AS4-1011	Garber
PCR Eppendorf Mastercycler Pro PCR machines x2	AS4-1011	Garber
Cell counter Countess (with GFP light cube)	AS4-1010A	Garber
Centrifuge-Thermo Legend X1R refrigerated	AS4-1010A	Garber
Luminometer - GlowMax Multi with injectors	AS4-2007	Aronin
Maxwell 16 - (extracts DNA&RNA from tissue) Promega	AS4-2008	Aronin
PCR - BioRad C1000 (2)	AS4-2027	Aronin
Microscope - Upright Nikon Eclipse E600	AS4-2007A	Aronin
Microscope - Inverted Nikon Eclipse TS100	AS4-2007A	Aronin
Tissue Slicer (oscillating)- EMS OTS-5000	AS4-2027	Aronin
Microtome - Leica VT1000S	AS4-2027	Aronin
Biosafety carbinet (2) - Thermo 1300 series A2	AS4-2027	Aronin
CO2 incubator (2) - Revco Ultima, Thermo	AS4-2027	Aronin

Note:

RTI departmental equipment is open to all in RTI with equal privilege. If you need help or found a problem, please call **Hongyan Wang** at x53684 or email Hongyan.wang@umassmed.edu. Email is usually faster.

Please sign in the log book each time you use the equipment.

For equipment that belongs to each lab, please contact the lab manager listed below for permission and instruction.

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