



Chemistry Department Capital Equipment

<u>Qty</u>	<u>Instrumentation/Equipment</u>	<u>Year</u>	<u>Vendor</u>
1	Avance 400 MHz NMR w/ robotic autosampler and web interface	2002, 2018 upgrade	Bruker Biospin
1	Inductively Coupled Plasma - Atomic Emission Spectrometer, Ultima 2	2007	Horiba JY
2	FT-IR Spectrometer, iS10 w/transmission and ATR	2015	ThermoNicollet
4	FT-IR Spectrometer, iS5 w/transmission and ATR	2011(2), 2015 (2)	ThermoNicollet
4	UV/Vis Spectrophotometer w/ Multicell Carriage, Cary 100	2001(1), 2012 (3)	Varian/Agilent
9	UV/Vis w/ Peltier Temp Control & Multicell Carriage, Cary 50/60	2001(5), 2012 (4)	Varian/Agilent
18	UV/Vis Spectrophotometer, UV-1900	2021	Shimadzu
6	UV/Vis Spectrophotometer w/ ISS, USB 2000	2000	Ocean Optics
5	UV/Vis Spectrophotometer, 20D+	1998	Spectronic Instruments
5	CCD Fiber Optic UV/Vis Spectrophotometer, SI-420	2002	Spectral Instruments
2	Atomic Absorption Spectrophotometer flame/furnace, Model 210VGP	2012	Buck Scientific
1	Light Scattering Spectrometer, BI-200SM	2006	Brookhaven
1	UV/Vis Reflectance Spectrometer	2005	Spectral Instruments
1	Flourescence Spectrometer, Fluorolog	2006	Horiba JY
1	Autopol III Polarimeter	1993	Rudolph
2	Raman Spectrophotometer, Inspector System	2005	DeltaNu
1	Raman Spectrometer w/Microscope Attachment, Advantage 200	2005	DeltaNu
1	Nd:YAG laser, DCR	2015	Quanta-Ray
1	Nitrogen Laser, GL-3300	2015	Photon Technology Int.
1	Dye Laser, GL-301	2015	Photon Technology Int.
1	Mass Spectrometer, MALDI Autoflex TOF/TOF	2020	Bruker Daltonics
1	Liquid Chromatograph-Mass Spectrometer, QTOF, Compact	2014	Bruker Daltonics
1	Gas Chromatograph-Mass Spectrometer, QP2010 SE	2016	Shimadzu
1	Gas Chromatograph-Mass Spectrometer, 7890/MSD	2011	Agilent
1	Isotope Ratio Mass Spectrometer, Delta V	2009	Thermo
1	IQ-2000 mass spectrometer	2016	Extrel
2	Gas Chromatograph, Model GC2010	2016	Shimadzu
9	HPLC, Series III Isocratic systems	2010	Chromtech

4	Isocratic HPLC System for SEC/GPC, 1100/1200 Series	1999(2), 2013(2)	Agilent
1	Quaternary HPLC System w/Diode Array Detector, 1100 Series	2004	Agilent
1	Quaternary HPLC System w/Variable Wavelength Detector, 1100 Series	2004	Agilent
2	Capillary HPLC System w/Variable Wavelength Detector, 1100/1200 Series	2004(1), 2014(1)	Agilent
2	Capillary Electrophoresis systems	2018	Agilent
4	BioLogic LP Chromatography System w/Fraction Collector	1999	BioRad
1	Flash Chromatography system, Isolera Prime	2016	Biotage
1	Prep LC System	2002	AnaLogix
1	Refrigerated Tabletop Centrifuge w/4 Major Rotors, Super T21	1999	Sorvall
1	Refrigerated Floor model ultracentrifuge, Optima L-90K		Beckman Coulter
1	Refrigerated Table top ultracentrifuge, Optima MAX-XP		Beckman Coulter
1	Refrigerated Tabletop Centrifuge, GPR series		Beckman
1	High Speed Floor model centrifuge, J2-21 series		Beckman
1	High Speed Floor model centrifuge, Avanti JE series		Beckman Coulter
1	DNA Synthesizer	1992	Applied Biosystems
1	Gel Imager, Odyssey	2014	LiCor
1	Fluorescence microplate reader, Synergy 2	2010	BioTek
1	Barocycler NEP2320-ENH Pressure Cycler	2016	Pressure Biosciences
16	1-D gel rigs	2004	Bio-Rad
1	2-D Gel Rig	2004	Bio-Rad
1	Gel Dryer	2004	Bio-Rad
2	Mini6 Hybridization Oven	1999	HybAid
1	Differential Scanning Calorimeter, VP-DSC	2006	MicroCal
1	ZYII Lab Robot with HPLC Autoinjector	2005	Zymark
1	Microwave Synthesis System, START	2006	Milestone
1	Microwave Extraction/Digestion System, Ethos EX	2006	Milestone
1	Microwave reactor, Explorer12 Hybrid	2015	CEM
5	Electrochem recorders/potentiostats	2005	Edac
1	Centrivap System	2003	Labconco
1	Headspace Preconcentrator	2021	Entech
1	Glove box, Unilab Pro	2017	M-Braun
1	Glove Box, LabMaster SP	2011	M-Braun
1	Solvent Recycling System	2011	SG Water