

Instrument Holdings 2005  
USD Chemistry and Biochemistry Department

Instrument	Quantity	Date of Acquisition	Manufacturer and Model
NMR Spectrometer	1	2005	Varian Mercury 400
NMR Spectrometer	1	2004	Varian Inova 500
Liquid Chromatograph	1	2004	Jasco PU-2086 Plus HPLC
Neodymium YAG Laser/OPO system	1	2003	Opotek/Vibrant 2
Triax 550 Monochromator (CCD and PMT detectors)	1	2003	Jobin-Yvon
Wavemeter	1	2003	Burleigh
UV-Vis Spectrometer(s)	2	2003	Thermo Spectronic Unicam UV500
UV-Vis Spectrometer(s) w/ Near IR	1	2003	Jasco V-570
Gas Chromatograph(s)	6	2003	SRI 310C
LC-Mass Spectrometer	1	2003	ThermoFinnigan LCQ Advantage ESMS
Atomic Absorption, Flame Emission	1	2003	Perkin Elmer 3110
GC-Mass Spectrometer	1	2003	ThermoFinnigan TraceUltra
Circular Dichroism Spectrometer	1	2003	Jasco J-810
Fluorimeter	1	2003	Jasco FP-6500
Protein Purification Chromatographs	2	2003	BioRad Biologic LP
Personal Chemistry Microwave Reactor System	1	2003	Personal Chemistry Emrys Optimizer
UV-Vis Spectrometer(s)	1	2002	Shimadzu 2101
IR Spectrometer(s)	3	2002	Jasco FT-IR 480 Plus
Gas Chromatograph	1	2002	Hewlett Packard
Liquid Chromatograph	1	2000	Varian ProStar
Electrochemical Instrumentation	1	2000	Pine Bipotentiostat AFCBP1
Fluorimeter	1	1997	PTI QM1
Parr Hydrogenator	1	1991	Parr
Radiochemistry (including counting equip. and sources)	1	1988	Beckman LS-3810
GC-Mass Spectrometer	1	1988	HP5890/5970
UV-Vis Spectrometer(s)	1	1986	Research Instruments Uvikon xs
<b>Molecular Modeling/Computer Facility</b>			
Twelve dual-processor Xeon cluster	1	2004	Dell
Dell PC	12	2003	Dell
Silicon Graphics Origin 2000 server	1	2002	Silicon Graphics
Silicon Graphics Octane workstations	8	2002	Silicon Graphics
Silicon Graphics Indigo 2 workstations	4	1996/1998	Silicon Graphics
<b>Equipment</b>			
pH meters	32	2002-2003	IQ Scientific
Rotary Evaporators	10	2003	Buchi
Shaker	1	2003	New Brunswick Scientific Water bath shaker
Shaker	1	2003	Fisher Biotech Air Shaker
Rotators	3	2003	Barnstead/Lab-line Rotator 1314
Incubators	4	2003	Fisher Isotemp 202S
Genesys 20 spectrophotometers	16	2003	ThermoElectron
Gel Documentation System	1	2003	BioRad gel doc system
Concentrators	1	2003	Labconco Centrivap Concentrator 78100-00
Centrifuge	1	2002	Eppendorf 5417R
Freezers -80	2	1999	UltraLow
Centrifuge	2	1998	Eppendorf 5415C
Gel Electrophoresis	4	pre1995	Fisher Biotech, FB-SB-710 B1A-10
Gel Electrophoresis	2	pre1995	Fisher Biotech, FB-SB-710 B1A-6
Shaker	1	1985	Air Shaker
Centrifuge	1	1978	Sorvall RC-5B