

**Major Instruments and Instrument Systems in Use in the Keck Laboratory
(11/18/03)**

Resource	Instrument Systems		
	Description	Manufacturer/Model	Qty
Amino Acid Analysis	Amino Acid Analyzer: Ion Exchange	Beckman 7300	1
Affymetrix GeneChip	Hybridization Oven	Affymetrix 640	2
	Fluidics Station	Affymetrix 400	2
	Scanner	Agilent GeneArray Scanner	2
	Bioanalyzer: Micro-electrophoresis System	Agilent 2100	1
	Quantitative PCR Machine	Applied Biosystems 7900	1
Biophysics	Fluorescence Polarization System	PanVera BEACON System	1
	Spectrofluorometer	SLM 8000C	1
	Stopped Flow Absorption/Fluorescence Kinetic System	Applied Photophysics Limited SX.18MV	1
	HPLC SEC/Laser Light Scattering System	Waters' Alliance HPLC/Wyatt DAWN LS Detector/Optilab DSP RI Detector/Wyatt QELS dynamic LS detector	1
	Dynamic Light Scattering Detector	DynaPro 800 Proterion Corporation	1
	Isothermal Microcalorimeter	MicroCal VP-ITC with Automatic Titrator	1
DNA Sequencing	DNA Sequencer: 96 Capillary	Applied Biosystems 3700	2
	DNA Sequencer: 96 Capillary	Applied Biosystems 3730	2
	Biorobot	Tecan Genesis RSP 150	1
IT Resources	Data exchange, storage, and backup infrastructure	Dell PowerEdge 2400/2550/2650 Servers	4
		Dell PowerVault 220S RAID System	1
		Dell PowerVault 128T Tape Library	1
		Apple PowerMac G3 Servers	4
Mass Spectrometry & Protein Chemistry	MALDI/Time-of-Flight (Linear/Reflectron) Mass Spectrometer	Micromass TofSpec SE	1
	MALDI/Time-of-Flight (Linear/Reflectron) Mass Spectrometer	Micromass M@LDI-L/R	1
	Electrospray/Quadrupole/Time-of-Flight Mass Spectrometer	Micromass Q-Tof 1	1
	LC-Electrospray/Quadrupole/Time-of-Flight Mass Spectrometer	Waters capLC/Micromass Q-Tof API	1
	LC-Electrospray/Quadrupole/Time-of-Flight Mass Spectrometer	Waters cap LC/Micromass Q-Tof Micro	1
	LC-Electrospray/Quadrupole/Time-of-Flight Mass Spectrometer	Dionex Ultimate Nano HPLC/Applied Biosystems Q-Star XL	1
	LC/Sample Prep Workstation	Vision Work Station	1
	LC/MALDI-MS Sample Spotter	Waters LC-MALDI Prep Sample Collection Module	1
	BioRobot	Micromass MASSPrep	1
	HPLC System: Analytical	Hewlett Packard 1090	1
	HPLC System: Analytical	Hewlett Packard 1100	1
	HPLC System: Analytical	Applied Biosystems 140D	1
	Differential Fluorescence 2D Gel Protein Profiling System	Amersham Biosciences Typhoon 9410 Scanner	1
		Amersham Biosciences ETTAN Gel Spot Picker	1
		Amersham Biosciences ETTAN TM Gel Digester	1
2D Chromatofocussing/Reverse Phase HPLC Protein Profiling System	Beckman Coulter Proteome Lab PF2D Protein Fractionation System	1	

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Microarray	Biorobot	Qiagen 9600	2
	Biorobot	Robbins Hydra-96 Microdispenser with Twister H Plate Stacker	1
	Biorobot	Matrix Technologies Tango Liquid Dispenser	1
	Glass Slide Microarray Scanner/2 Fluor Capability	Axon GenePix 4000A	1
	Glass Slide Microarray Scanner/16 Fluor Capability	Perkin Elmer ScanArray 5000	1
	Resonance Light Scattering Microarray Reader	Qiagen HiLight Reader	1
	Gel Imaging and Documentation System	BioRad Gel Doc	1
	Spectrophotometer	Hitachi GeneSpec II	1
Oligo Synthesis	Oligo Synthesizer: 4 Column/Parallel	Applied Biosystems 394	10
	Oligo Synthesizer: 48 Column/3 in Parallel, up to 16 Sets of 3 Sequentially	Applied Biosystems 3948	3
	Oligo Synthesizer: 96 Well Based/Parallel	GeneMachines Polyplex	1
	Oligo Synthesizer: 48 Column/Parallel	Applied Biosystems 3900 High Throughput DNA Synthesizer	1
	Capillary Electrophoresis System	Beckman P/ACE MDQ	3
	Spectrophotometer	Perkin Elmer Lambda 3	1
	Microplate Absorbance Reader	SpectraMax Plus	1
Peptide Synthesis: Large Scale	tBoc Peptide Synthesizer: 3 Vessel/Sequential	Applied Biosystems 430A	3
	HPLC Systems: Preparative	Waters 3000	1
	HPLC Systems: Analytical	Waters 510	2
	HPLC Systems: Analytical	Waters 6000	1
Peptid Synthesis: Small Scale	Multiple Peptide Synthesizer: 12 Vessel/Parallel	Rainin Symphony	2
	HPLC System: Preparative	Waters' 600E	2
	HPLC System: Analytical	Varian Prostar	1
	HPLC System: Analytical	Hewlett Packard 1100	1
	HPLC System: Analytical	Rainin Dynamax	1
Protein Sequencing	Protein/Peptide Sequencer	Applied Biosystems/HS Procise 494	2
SNP Genotyping	DNA Sequencer: Pyrosequencer	Pyrosequencing Inc.	1
	MALDI-MS based Single Base Extension Analysis System	Sequenom SpectroREADER Bruker AutoFlex Mass Spectrometer	1
		Sequenom SpectroPREP Automated 96-Channel Multipipettor	1
		Sequenom SpectroPOINT 24-Pin head Nanoliter Dispensing Robot	1

Total Instrument Systems

95