

<u>PI</u>	<u>Category</u>	<u>Location</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Instrument Contact Person</u>	<u>Process for requesting use</u>	<u>Need training?</u>
Department	Analytical Ultracentrifugation		Analytical Ultracentrifugation	Beckman Coulter	-	Antony	Contact for availability	Yes
Department	Analytical Ultracentrifugation	558	Protein Characterization System	Beckman Coulter	ProteomeLab XL-I	Pherson	Free to use	
Antony	AUC	551	Analytical Ultracentrifugation	Beckman	Optima	Antony	Contact for availability	Yes
Antony	BLI	551	BioLayer Interferometry	Sartorius	BLITZ	Antony	Contact for availability	Yes
Di Cera	Calorimeter	532A	Microcalorimeter	MicroCal/Malvern	ITC200	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Calorimeter	532A	Differential Scanning Calorimeter	MicroCal/Malvern	VP-DSC	Di Cera (Leslie Pelc)	Contact for availability	Yes
Genomics Core	Capillary Electrophoresis	439	Bioanalyzer 2100	Agilent	G2938B	Pherson	Contact for service	NA
Genomics Core	Capillary Electrophoresis	439	Bioanalyzer 2100	Agilent	G2938B	Pherson	Contact for service	NA
Antony	CD	551	Stopped flow Circular Dichroism	Applied Photophysics	Chirascan V100	Antony	Contact for availability	Yes
Department	Cell disrupters/sonicator	454	Sonifier Cell Disruptor	Heat Systems-Ultrasonics Inc.	WD140D	-	Free to use	No
Di Cera	Cell disrupters/sonicator	541	High Pressure Homogenizer/Cell disrupter	Avestin	C3	Di Cera (Leslie Pelc)	Contact for availability	Yes
Genomics Core	Cell disrupters/sonicator	442B	Bioruptor Sonication System	Diagenode	-	Pherson	Contact for availability	Yes
Gonzalo	Cell disrupters/sonicator	641	Bioruptor Sonication System	Diagenode	Bioruptor Standard UCD-200 TM	Gonzalo (Elena Shashkova)	Contact for availability	
Sverdrup	Cell disrupters/sonicator	461	Mini-Beadbeater-96	Biospec	1001	Sverdrup (Jonathan Oliva)	Contact for availability	Minimal
Antony	Centrifuge	551	Floor Centrifuge	Sorvall	Lynx 6000	Antony	Contact for availability	Yes
Ayala	Centrifuge	565	Centrifuge	Thermo Scientific	Sorvall ST16	Ayala	Contact for availability	No
Ayala	Centrifuge	561	Ultracentrifuge	Beckman Coulter	Optima Max-XP	Ayala	Contact for availability	Yes
Baldan	Centrifuge	639	Super centrifuge	Sorvall	RC2-B	Baldan	Ask anyone in the lab	No
Baldan	Centrifuge	639	Tabletop centrifuge	Beckman	Allegra 6R	Baldan	Ask anyone in the lab	No
Dastvan	Centrifuge	557	Sorvall Lynx 6000 centrifuge	Fisher	Sorvall Lynx 6000 centrifuge	Dastvan	Contact for availability	No
Dastvan	Centrifuge	557	Sorvall X4R Pro-MD centrifuge	Fisher	Sorvall X4R Pro-MD centrifuge	Dastvan	Contact for availability	No
Department	Centrifuge	332	Tabletop UltraCentrifuge	Beckman	Optima	Ayala or Korolev	Contact for availability	Yes
Department	Centrifuge	458	High speed centrifuge	Beckman Coulter	Avanti JXN-26	Pherson	Free to use with lab code	No
Department	Centrifuge	558	High speed centrifuge	Beckman Coulter	Avanti JXN-26	Pherson	Free to use with lab code	No
Department	Centrifuge	558	High speed centrifuge	Beckman Coulter	Avanti JXN-26	Pherson	Free to use with lab code	No
Department	Centrifuge	458	Ultracentrifuge	Beckman Coulter	Optima XPN-100	Pherson	Free to use	No
Department	Centrifuge	458	High speed centrifuge	Beckman Coulter	Avanti J-20I	Pherson	Free to use	No
Department	Centrifuge	458	High speed centrifuge	Sorvall	Sorvall RC 5B Plus	Pherson	Free to use	No
Department	Centrifuge	558	Ultracentrifuge	Beckman Coulter	Optima L-80 XP	Pherson	Free to use	No
Department	Centrifuge	558	High speed centrifuge	Beckman Coulter	J6-MI	Pherson	Free to use	No
Genomics Core	Centrifuge	439	Eppendorf Refrigerated Benchtop Centrifuge 5424R	Eppendorf	5424R	Pherson	Contact for availability	No
McCommis	Centrifuge	458B	Benchtop centrifuge	Eppendorf	5702	McCommis (Kelly Pyles)	Contact for availability	No
McCommis	Centrifuge	551	Refridgerated benchtop centrifuge	Thermo Scientific	Sorvall Legend Micro21R	McCommis (Kelly Pyles)	Contact for availability	No
Pozzi	Centrifuge	457	Tabletop centrifuge	Thermo Scientific	Sorvall ST16R	Pozzi	Ask anyone in the lab	No
Ayala	Chromatography	563	FPLC	GE Healthcare	Akta Start	Ayala	Contact for availability	Yes
Dastvan	Chromatography	557	HPLC - multisampler, variable wavelength and fluorescence detectors	Agilent	Agilent 1260 Infinity II	Dastvan	Contact for availability	Yes
Di Cera	Chromatography	541	HPLC	Waters Corportation	2695	Di Cera (Leslie Pelc)	Contact for availability	Yes

Di Cera	Chromatography	539	FPLC	GE Healthcare	AKTA FPLC	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Chromatography	539	FPLC	GE Healthcare	AKTA FPLC	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Chromatography	543	FPLC	Cytiva	AKTA FPLC	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Chromatography	539	FPLC	GE Healthcare	AKTA FPLC	Di Cera (Leslie Pelc)	Contact for availability	Yes
Ford	Chromatography	339	GC/FID	Agilent	HP6890 GC with flame ionization detector	Ford	Contact for availability	Yes
Heyduk	Chromatography	443	HPLC	Shimadzu	LC10i	Heyduk	Contact for availability	Yes
Heyduk	Chromatography	443	FPLC	GE Healthcare	AKTA Purifier	Heyduk	Contact for availability	Yes
Korolev	Chromatography	555	FPLC	Cytiva	AKTA Purifier	Di Cera (Leslie Pelc)	Contact for availability	Yes
Pozzi	Chromatography	457	FPLC	GE Healthcare	Akta Pure 25M	Pozzi	Contact for availability	Yes
Skowyra	Chromatography	461	HPLC - Controller	Waters	HPLC 600S	Skowyra	Contact for availability	Yes
Skowyra	Chromatography	461	HPLC - Pump	Waters	HPLC 626	Skowyra	Contact for availability	Yes
Skowyra	Chromatography	461	HPLC - Dual L Absorbance Detector	Waters	HPLC 2487	Skowyra	Contact for availability	Yes
Skowyra	Chromatography	461	HPLC - Scanning Fluorescence Detector	Waters	HLPC 474	Skowyra	Contact for availability	Yes
Ford	Electric Cell-substrate Sensing device	358D	Electric Cell-substrate Sensing device	Applied Biophysics	Z Theta with EFM	Ford (Reagan McGuffee)	Contact for availability	Yes
Dai	Electrophysiology	545	Microforge	Narishige	MF830	Dai	Contact for availability	Yes
Dai	Electrophysiology	545	Pipette puller	Sutter	P1000	Dai	Contact for availability	Yes
Dai	Electrophysiology	465	Patch clamp	HEKA	EPC10	Dai	Contact for availability	Yes
Department	EPR spectroscopy		EPR spectroscopy with DEER capability	Bruker	-	Dastvan	Contact for availability	Yes
Antony	Fluorescence Imager	551	Imager	Invitrogen-Thermo	iBRIGHT 1500	Antony	Contact for availability	Yes
Antony	Glove Box	551	Coy Anaerobic Chamber	Coy	Vinyl Glove Box	Antony	Contact for availability	Yes
Dai	Imaging	465	Fluorescence lifetime imaging	ISS	Q2	Dai	Contact for availability	Yes
Department	Imaging	454	Typhoon fluorescence imager	GE Healthcare	-	Heyduk	Free to use	Yes
Department	Imaging	558	UV-transilluminator gel imaging system	various	-	-	Free to use	No
Gonzalo	Imaging	641	Syngene PXi imaging system	Syngene	PXi	Gonzalo (Elena Shashkova)	Contact for availability	Yes
McCommis	Imaging	441	Agarose gel imager	Alpha Innotech	"Red"	McCommis (Kelly Pyles)	Ask anyone in the lab	No
Sverdrup	Imaging	461	Odyssey CLx Near-IR Scanner	Li-Cor	9140	Sverdrup (Jonathan Oliva)	Free to use	Minimal
Korolev	Light scattering	555	DynaPro Titan, Dynamic Light Scattering	Wyatt	DP-TH-01	Korolev	-	
Korolev	Light scattering	555	miniDAWN Treos, Multi Angle Light Scattering	Wyatt	WTREOS-10	Korolev	-	
Korolev	Light scattering	555	Optilab T-rEX	Wyatt	WTREX-04	Korolev	-	
Sverdrup	Luminometer	463	Spectramax-L luminometer	Molecular Devices	L	Sverdrup (Jonathan Oliva)	Contact for availability	Minimal
Department	Lyophilizer	558	Lyophilizer	Virtis	-	-	Free to use	No
Antony	Mass Photometer	551	Mass Photometer	Refeyn TWO MP	Refeyn	Antony	Contact for availability	Yes
Ford	Mass spectrometer	332	LC/MS	Thermo Scientific	Quantum TSQ MS/Surveyor LC	Ford	Contact for availability	Yes
Ford	Mass spectrometer	332	LC/MS	Thermo Scientific	Quantum TSQ MS/Surveyor LC	Ford	Contact for availability	Yes
Ford	Mass spectrometer	332	LC/MS	Thermo Scientific	Altis TSQ MS/Vanquish LC	Ford	Contact for availability	Yes
Ford	Mass spectrometer	354	LC/MS	Thermo Scientific	Q-Exactive MS/Vanquish LC	Ford	Contact for availability	Yes
Ford	Mass spectrometer	354	LC/MS	Thermo Scientific	Q-Exactive MS (nano source)/Nano LC	Ford	Contact for availability	Yes

Ford	Mass spectrometer	339	GC/MS	Agilent	HP6890 GC/HP5973 MS	Ford	Contact for availability	Yes
Ayala	Microscope	567	Inverted - Brightfield, Fluorescece	Leica	DMI 4000 B	Ayala	-	
Ayala	Microscope	565	Regular - Brightfield	Zeiss	Primo Vert	Ayala	-	
Baldan	Microscope	632A	Inverted - Brightfield, Fluorescece	Bio-Rad	Bio-Rad ZOE	Baldan	Ask anyone in the lab	Yes
Dai	Microscope	465	Inverted - Confocal	ISS	Q2	Dai	Contact for availability	Yes
Dai	Microscope	465	Imaging spectrograph	Teledyne Princeton Instruments	SpectroPro2156	Dai	Contact for availability	Yes
Department	Microscope	465	Regular - Brightfield, Fluorescence	Leica	DM5500B	-	-	
Department	Microscope	423A	Inverted - Confocal	Leica	TCS SP5	-	-	
Department	Microscope	461	High content digital microcope	Keyence	BZ-X800	Skowyra	Contact for availability	Yes
Di Cera	Microscope	532	Regular - Brightfield	Olympus	CK2	Di Cera (Leslie Pelc)	Free to use	Yes
McCommis	Microscope	458B	Inverted - Brightfiled	Zeiss	-	McCommis (Kelly Pyles)	-	
McCommis	Microscope	439	Regular - Brightfield	Olympus	-	McCommis (Kelly Pyles)	-	
Pozzi	Microscope	458C	Inverted - Brightfiled	Nikon	Eclipse TS100	Pozzi	-	
Skowyra	Microscope	461	Inverted - Brightfiled	Nikon	Eclipse TS100	Skowyra	-	
Sverdrup	Microscope	458A	Inverted - Brightfield, Fluorescence	Life Technologies	EVOS Flc	Sverdrup (Jonathan Oliva)	-	
Sverdrup	Microscope	461	Regular - Brightfield	Nikon	Eclipse E600 POL	Sverdrup (Jonathan Oliva)	-	
Genomics Core	NGS Technology	439	Ion Proton System - IonTorrent	ThermoFisher	-	Pherson	Contact for service	NA
Genomics Core	NGS Technology	439	Chromium Controller	10X Genomics	GCG-SR-1	Pherson	Contact for service	NA
McCommis	Oxygraph Respirometer	441	Oxygraph Respirometer	Oroboros	O2k Fluororepirometer	McCommis (Kelly Pyles)	Contact for availability	Yes
Genomics Core	PCR	439	BioRad C1000 Touch 96-Deep Well PCR System	BioRad	-	Pherson	Contact for availability	No
Di Cera	Peptide synthesizer	539	PS3 PEPTIDE SYNTHESIZER	Protein Technologies	-	Di Cera (Leslie Pelc)	Contact for availability	Yes
Baldan	Plate reader	639	Plate reader	Molecular Devices	-	Baldan	Ask anyone in the lab	No
Di Cera	Plate reader	541	SpectraMax	Molecular Devices	Spectramax Plus	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Plate reader	555	SpectraMax - mutimode	Molecular Devices	I3	Di Cera (Leslie Pelc)	Contact for availability	Yes
Ford	Plate reader	354	PlateReader	PerkinElmer	Enspire	Ford	Contact for availability	Yes
Heyduk	Plate reader	443	Plate Reader	Tecan	SpectroFlur plus	Heyduk	Contact for availability	Yes
Pozzi	Plate reader	457	Tecan Spark	Tecan	SW Sparkctl	Pozzi	Ask anyone in the lab	Minimal
Sverdrup	Plate reader	463	Safire2 fluorescent plate reader	Tecan	Safire 1-BASIC	Sverdrup (Jonathan Oliva)	Contact for availability	Minimal
Department	Real-time PCR (qPCR)	454	Real-time PCR (qPCR)	Bio-Rad	CFX96	Pherson	Free to use	
Sverdrup	Real-time PCR (qPCR)	463	QuantStudio 5 Realtime-PCR 384 well	ThermoFisher	A28135	Sverdrup (Jonathan Oliva)	Contact for availability	Minimal
McCommis	Seahorse Analyzer	441	Seahorse Analyzer	Agilent	XFe96	McCommis (Kelly Pyles)	Contact for availability	Yes
Antony	Single-molecule microscopy	558A	Single-molecule TIRF microscope	Olympus	cellTIRF	Antony	Contact for availability	Yes
Department	Single-molecule microscopy	558A	Single-molecule TIRF microscope	Olympus	cellTIRF	Antony	Contact for availability	Yes
Department	Single-molecule microscopy	454A	Time-resolved confocal microscope with single molecule sensitivity	PicoQuant	MT200	Pozzi	Contact for availability	Yes
Antony	Spectroflurometer	551	Fluorimeter	ISS	PC-1	Antony	Contact for availability	Yes
Di Cera	Spectroflurometer	541	Fluoromax 4	Horiba	Fluoromax4	Di Cera (Leslie Pelc)	Contact for availability	Yes
Genomics Core	Spectroflurometer	439	Qubit 3.0 Flurometer	Invitrogen	-	Michelle Pherson	Contact for service	Yes
Heyduk	Spectroflurometer	443	Spectroflurometer	Horiba	Fluorolog-3	Heyduk	Contact for availability	Yes
Heyduk	Spectroflurometer	443	Microsecond Lifetime Flurometer	Custom made	n/a	Heyduk	Contact for availability	Yes

Skowyra	Spectrofluometer	461	Cary Eclipse fluorescence spectrofluometer	Varian	EL02065712	Skowyra	Contact for availability	Yes
Skowyra	Spectrofluometer	461	Cary Single Cell Peltier Accessory	Varian	SPVF-1X0	Skowyra	Contact for availability	Yes
Antony	Spectrophotometer	551	Nano-UV-Vis	Implen	NP80	Antony	Ask anyone in the lab	No
Antony	Spectrophotometer	551	UV-Vis Spec	Cary	200	Antony	Ask anyone in the lab	No
Baldan	Spectrophotometer	639	Nanodrop 1000	Thermo	ND-1000	Baldan	Ask anyone in the lab	No
Dai	Spectrophotometer	545	Nanodrop	Thermo	OneC	Dai	Contact for availability	Yes
Di Cera	Spectrophotometer	539	UV-Vis Spectrophotometer - accessory (6 cells holder)	Variant	Cary 50	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Spectrophotometer	545	UV-Vis Spectrophotometer - accessory (6 cells holder)	Variant	Cary 50	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Spectrophotometer	539	Nanodrop	ThermoScientific	Nanodrop One	Di Cera (Leslie Pelc)	Ask anyone in the lab	No
Di Cera	Spectrophotometer	532A	UV-Vis Spectrophotometer with Peltier system	Agilent	Cary 100	Di Cera (Leslie Pelc)	Contact for availability	Yes
Heyduk	Spectrophotometer	443	Nanodrop	ThermoScientific	2000C	Heyduk	Contact for availability	Yes
Heyduk	Spectrophotometer	443	UV-VIS Spectrophotometer	Cary	100 Bio	Heyduk	Contact for availability	Yes
Pozzi	Spectrophotometer	457	Nanodrop spectrophotometer	Thermo Scientific	-	Pozzi	Ask anyone in the lab	No
Department	Speed-Vac	454	Speed-Vac	Labconco	SC100	-	Free to use	No
Antony	Stopped-flow	551	Stopped flow flourimeter	Applied Photophysics	SX-20	Antony	Contact for availability	Yes
Antony	Stopped-flow	551	Stopped flow flourimeter	Applied Photophysics	SX-20	Antony	Contact for availability	Yes
Di Cera	Stopped-flow	539	Stopped flow flourimeter - LED source	Applied Photophysics	SX20	Di Cera (Leslie Pelc)	Contact for availability	Yes
Di Cera	Stopped-flow	543	Stopped flow flourimeter - Xenon source	Applied Photophysics	SX 20	Di Cera (Leslie Pelc)	Contact for availability	Yes
Pozzi	Surface plasmon resonance	457	Biacore - Surface Plasmon Resonance Unit	GE Healthcare	S200	Pozzi	Contact for availability	Yes
Heyduk	Vacuum Concentrator	443	Vacuum Concentrator	Eppendorf	Eppendorf Vacufuge	Heyduk	Contact for availability	Yes
Department	X-ray crystallography		X-ray Crystallography	Rigaku	R axis IV	Korolev (Bassem Mohammed)	Contact for availability	Yes
Department	X-ray crystallography		Nanoliter crystallization robot	Art Robbins	Phoenix	Korolev (Bassem Mohammed)	Contact for availability	Yes