

School of Life Science		
SL.No	Name of the instrument	Make
1	Surface Plasmon Resonance (SPR)	Cytiva
2	Large ScaleProtein Purification unit	Amersham
3	Table top Micro Ultra Centrifuge	Beckman Coulter
4	Floor model Ultra Centrifuge	Beckman Coulter
5	High Speed Centrifuge	Beckman Coulter
6	Preparative LCMS	Agilent Technologies
7	Confocal Laser Scanning Microscope	Zeiss
8	3D Laser Scanning Super	Leica SP8
9	Ultra Microtome	Leica
10	In Vivo Imagining	kodak
11	Sea Horse Metabolic flux Analyzer	Agilent Technologies
12	Flow Cytometer LSR Fortessa	BD LifeSciences
13	Flow Cytometer BD FACS AriaIII	BD LifeSciences
14	Covaris Focused Ultra Sonicator M22	Covaris
15	MilliQEllix	Merck
16	Real Time PCR Machine with HRM	Roche
17	Fully Motorized Trinocular Fluorescent Microscope	Leica Microsystems
Department of Biochemistry		
1	Stackable Refrigerated Incubator	Orbitek
2	ND2000C Nandrop Spectrophotometer	Thermo
3	Shimadzu Prominence High Performance Liquid Chromatography	Shimadzu
4	Sonics -Sonicator -New	Sonics
5	SCANVAC Freeze drier cum speed vaccume Concentrator	LabogeneAPS-Het cooling trap
6	Syngene Gel Documentation System	Syngene
7	Versa Doc Imaging System (5000MP)	Versa Doc
8	Spectra max M2 Multimode Spectrophotometer	Molecular Devices
9	Reverse transcription polymerase chain reaction (RT-PCR)	Quant studio
10	Chemiluminiscence Imaging system	Vilber
11	Inverted Microscope including plan phase , LWD objectives, centring telescope , Plan Achromatic LED objective and shipping and handling	Olympus
12	Hi Speed Centrifuge	Hitachi
13	Hypoxia Chamber	Bioxia
14	Gradient Fractionator	Crystal Bio Equipment
15	Gass Chromatography & Mass Spectrophotometry	Agilent Technologies
16	Multimode Plate Reade	Genesis Bio Solution
17	Fast Protein Liquid Chromatography	Bio Rad Laboratories
18	High Performance Liquid Chromatography	Smart Labtech
19	High Speed Centrifuge	Thermo
20	Incubate Shaker	Alpha Instruments
21	BOD Incubator	Med Lab
22	Respirometer	OroBoros
23	Ultra Centrifuge	Beckman Coulter
Department Of Plant Sciences		
1	HRMS- High Resolution Mass Spectrophotometer	Waters

Description
Real-time molecular binding kinetics
Bulk protein isolation system
High-speed small volume separation
Large volume density fractionation
General biological sample pelleting
Compound purification with mass ID
High-contrast 3D optical sectioning
Nanoscale live cell imaging
Ultra-thin slicing for microscopy
Small animal biological tracking
Cellular energy metabolism measurement
Multiparameter cell analysis
Cell analysis and physical sorting
Precision DNA/RNA fragmentation
Ultrapure water generation
Gene quantification and mutation detection
Automated multi-channel fluorescence imaging
Temperature-controlled culture storage
Micro-volume DNA/protein quantification
High-precision chemical separation
Ultrasonic cell lysis/homogenization
Sample drying and volume reduction
DNA/Protein gel visualization
High-resolution gel and blot imaging
Absorbance and fluorescence plate reader
Gene expression analysis (RNA detection)
Sensitive Western blot detection
Live cell observation (bottom-up optics)
Rapide sample separation and pelleting
Low-oxygen cell culture environment
Precision separation of density layers
Volatile compound identification
High-throughput assay measurement
Automated protein purification system
High-precision chemical separation
Rapid sample separation and pelleting
Agitated temperature-controlled growth
Low-temperature (20°C) incubation
Oxygen consumption rate measurement
Nanoscale separation (Viruses/DNA)
Exact mass measurement & molecular ID