

<b>Fellow</b>	<b>Host Institution</b>	<b>Equipment 1</b>	<b>Equipment 2</b>	<b>Equipment 3</b>
Kundan Sengupta	IISER Pune	Hi Sky Applied Imaging System (Karyotyping System)		
Kaushik Chakraborty	IGIB Delhi	Cytometer, Mfg: BD, Model:LSRII,	Fluorimeter, Mfg: Horiba, Model: Fluorolog3	Tecan Liquid Handling, Mfg: Tecan, Model: Evo100
Amit Singh	IISc Bangalore	Seahorse XF Analyzer (multi-well microplate format), Agilent		
Madhusudhan Venkadesan	NCBS	AMTI Biomechanical force platform-2Nos (Advanced Mechanical Technology INC)	MOCAP Hardware T20S Camera-8Nos; Tripod with pan tilt head -8Nos	
Lolitika Mandal	IISER Mohali	SteREO Lumar.V12 Stereomicroscope. Used for high throughput whole Drosophila larval /adult screening. Make: Carl Zeiss.	Laser microdissection with PALM MicroBeam. Used to isolate pure cell population from live tissues for down stream analysis of DNA, RNA etc. Make: Carl Zeiss.	
Girish Ratnaparkhi	IISER Pune	AKTA FPLC, AKTA Explorer (Fast Performance Liquid Chromatography System from GE). A fast and reliable machine for biomolecular purification using column chromatography.		
Subba Rao Gangi Setty	IISc Bangalore	Olympus IX81 ZDC inverted fluorescence Microscope system This instrument used for regular imaging of wide-field and immunofluorescence microscopy, live cell, FRET and calcium imaging.		
Thomas J Pucadyil	IISER Pune	Tecan Infinite M200 Pro (Monochromator Based) multimode reader. This plate reader allows fast and precise analysis of absorption and fluorescence properties in samples.	Evolve 512 EMCCD camera. This EMCCD camera allows for high sensitivity single molecule detection in fluorescence microscopy-based applications	

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Partho Sarothi Ray	IISER Kolkata	<p>Typhoon Trio+ variable mode imager and accessories, with UPS (3KVA/96V) Make: GE Health Care</p> <p>This equipment is in working condition. However, the company has discontinued this product.</p>		
Soumen Basak	NII New Delhi	Phospho Imager Eraser, GE Healthcare		
Sunish Kumar Radhakrishnan	IISER Thiruvananthapuram	UHPLC system (Make: Waters)	Real-time PCR machine (Make: Bio-Rad)	
Ravi Manjithaya	JNCASR, Bangalore	<p>Spectrofluorometer, Multimode Reader (Thermo Scientific™ Varioskan™ Flash Multimode Reader) Thermo Fisher Scientific OY, Finland</p> <p>It is a programmable plate reader that can read absorbance, fluorescence and bioluminescence.</p>		
Mukund Thattai	NCBS, Bangalore	<p>GPU Cluster, NCBS Equipment Number: 10235,</p> <p>As a total the GPU cluster would have 2048 CPU cores and 3.63L GPU cores with a peak performance of 256 TFlops (double precision).</p>		

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Ajit Bikram Datta	Bose Institute, Kolkata	KTA Avant 25 GE healthcare life sciences An advanced semi automated protein purification system that is capable of handling multiple columns, buffer preparation, pH monitoring, etc.It also comes with a temperature controlled fraction collector.		
Sheetal Gandotra	Institute of Genomics and Integrative Biology	Beckman Coulter, Optima XPN-100 with accessories		
Rupjyoti Talukdar	Asian Institute of Gastroenterology, Hyderabad	GeXP Genetic Analysis System for gene expression, sequencing Beckman Coulter		
Vikram Mathews	CMC Vellore	Beckman Coulter - Gallios Flow Cytometer (3 laser – 10 fluorescent, 12 optical parameters) with multitube loader and Plate loader Hypercyte		
Kavita Babu	IISER, Mohali	Olympus Inverted Fluorescence Microscope Model IX73 for ASI Photo-tracking System.	ASI Phototracking System alongwith EMCCD Camera for Microscope Model IX73.	

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Suhita Nadkarni	IISER Pune	70 Teraflop High Performance Cluster (HP) was purchased in collaboration with other Wellcome-DBT fellows. This is a central compute facility for the 3 labs. ~ 50 Terabyte was added to the departmental central storage for lab generated data and backup.		
Mahak Sharma	IISER Mohali	Confocal microscope LSM 710. This equipment was proposed as an up-gradation to an existing inverted fluorescence microscope system from Carl Zeiss to study vesicular trafficking in the cell.		
Rajesh Ramachandran	IISER Mohali	Upgradation of Nikon Ni-E Microscope to Scanning confocal microscope. Confocal Laser Attachment for Microscope Model A1+		
Saibal Chatterjee	IISc Bangalore	AKTA avant FPLC System (GE Healthcare, Sweden) for protein (macromolecular complex) purification from endogenous sources.	Nikon NiE DIC-Fluorescence Microscope (Nikon, Japan) for Caenorhabditis elegans imaging	
Mallur Srivatsan B Madhusudhan	IISER Pune	High-Performance Computing (HPC) cluster - purchased jointly with Fellows Drs Collins Assisi and Suhita Nadkarni.		

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Purusharth Rajyaguru	IISC	GE- DELTAVISION ELITE Microscope. Myself and another faculty in the dept. shared the costs equally. We use it for live cell imaging of yeast cells to look at RNA granules.		
Vaskar Saha	TMC Kolkata	3500 Genetic Analyzer, Make: Applied Biosystems, This instrument is used for DNA sequencing using Sanger method.		
Benu Brata Das	IACS, Kolkata	High resolution gel imaging system with accessories, Wipro GE Typhoon FLA 7000	Laser Scanning Confocal microscope system with live cell chamber and accessories, Leica Microsystems Model No.SP8 (partly supported by IACS)	
Bidisha Sinha	IISER Kolkata	Inverted Fluorescence microscope for Total Internal Reflection Fluorescence (TIRF) microscopy: IX-83 Inverted Microscope (Olympus) equipped with ORCA-Flash4.0 V2 Digital CMOS Camera (Hamamatsu)		
Supriya Ray	University of Allahabad	Neural data acquisition system Plexon Inc For neural data acquisition		
Janesh Kumar	NCCS	Chromatography system, AKTA PURE M, AKTA FPLC for chromatographic purification	HPLC (FSEC system), Agilent FPLC system for fluorescence detection size exclusion chromatography. An FPLC system with two fluorescence detectors coupled with automounter and cooled sample storage unit.	Electrophysiology rig, Multi Channel Systems Electrophysiology rig to records in both current clamp and voltage clamp mode from multiple cell types.

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Sachin Deskmukh	IISc	Neuralynx Cube wireless electrophysiology system with 64 channels	Neuralynx Cube wireless electrophysiology system with 128 channels	
Guruprasad Medigeshe	THSTI	Olympus inverted fluorescence microscope (IX83-The fully-motorised and automated inverted microscope system) with a DP-80 camera (digital dual CCD colour and monochrome camera).		
Samsiddhi Bhattacharjee	NIBMG, Kalyani	<p>DDN File Storage (400 TB) : Data Direct Networks</p> <p>This is a 400 TB capacity upgrade of the existing DDN storage system at NIBMG.</p> <p>2 Disk enclosures with: 400TB usable capacity with 40 X 900 GB on 10K RPM SAS and 120 X 4 TB on 7.2K RPM Nearline SAS disks."</p>		
Narendra Dixit	IISC, Bangalore	High performance computer cluster supplied by Boston IT Solutions through Micropoint Computers. It contains a Boston 1U server solution with a master node (6018R-WTR), compute nodes (6028TR-HTR), and an Intel OPA port switch		
Raghu Padinjat	NCBS, Bangalore	HPLC system Shimadzu UPLC system. Liquid chromatography system for separation of lipids and other small molecules. Used in conjunction with a mass spectrometer.		

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Nikhil Patkar	ACTREC, Mumbai	Illumina MiSeq Desktop Next Generation Sequencer (esktop Next Generation Sequencer capable of paired end sequencing using proprietary sequencing by synthesis chemistry. It is capable of sequencing a maximum of upto 15 Million reads. Maximum output generated is approximately 15GB. With this technology we can sequence targeted panels of genes for human genomes.)		
Minhajuddin Sirajuddin	InStem, Bangalore	AKTA Avant 150; GE Healthcare. An FPLC protein purification system, with automated sample loader, cooled fraction collector and simultaneous 3 wavelength detector.	TIRF microscope for single molecule detection; Make: Nikon T12 body, Hamamatsu Orca Flash 4.0 v3 camera.	
Jeet Kalia	IISER Pune	State of art Hybrid LC MS/MS system for Lipid Analysis & Quantitative Proteomics with ultimate qualitative and quantitative capabilities with Front end UHPLC		
R Mahalakshmi	IISER Bhopal	SX20 stopped flow set-up with sequential mixing and dual detection channels, Applied Photophysics, UK		
Anura Kurpad	St John's National Academy of Health Sciences, Bangalore	Mass Spectrometer (Gas Chromatography-Pyrolysis/Combustion-Isotope Ratio Mass Spectrometer (GC-P/C-IRMS, Delta V Advantage, Thermo Fisher Scientific Inc., Bremen, Germany) with Isodat software (version 3.0). analyzing the low enrichments of <sup>13</sup> C and <sup>2</sup> H in labelled legumes and biological fluids)		

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Abhik Saha	Presidency University	Ultra Centrifuge, Thermo Scientific Sorvall, Model WX 80+ Cat No.: 75000080	Motorized Inverted Research Microscope (AxioObserver Z1) & APOTOME	
Poonkuzhali Balasubramanian	CMC Vellore	Shimadzu LCMS 8050 Ultra Fast Triple Quadrupole Mass Spectrometer with Nexera X2 UHPLC System		
Sabyasachi Rakshit	IISER Mohali	AKTA PURE M (Serial No : 2070018) Fast Protein Liquid Chromatography system for mainly protein purification. The system is installed inside a refrigerated cabinet. Detection of elution is done based on absorbance for a range of 170 nm- 700nm with monitoring three wavelengths simultaneously. This feature is for molecules with flurescent or dye tags.		



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Athi Narayanan Naganathan	IIT Madras	<p>CD Spectrometer with Fluorescence, Polarization and Stopped Flow Accessory Chirascan-plus qCD from Applied Photophysics Ltd., UK. This multi-purpose instrument allows for rapid measurement of multiple protein/DNA spectroscopic signals (absorbance, far- and near-UV CD, fluorescence, anisotropy in the equilibrium mode) as a function of various perturbations including temperature, co-solvents, pH etc. It also comes with a stopped flow set up with a dead-time of 500 microseconds for studying reactions taking place in the millisecond timescale with a high signal to noise ratio and at different temperatures and denaturant concentrations.</p>	<p>Automated and Capillary Differential Scanning Calorimeter Microcal VP – Capillary DSC from Malvern Instruments Ltd., UK. The robotic DSC is a powerful and sensitive instrument to rapidly probe the stability, structural transitions and temperature dependence of the enthalpic fluctuations of proteins, peptides and other biomolecules, with applications in protein engineering and in studying bio-molecular interactions. It also comes with an auto-sampler that can measure the stability of 50 samples with minimal human intervention in a single day.</p>	
Smarajit Polley	Bose Institute, Kolkata	AKTA Pure M, GE Healthcare Automated Protein Purification System.		
Nitin Gupta	IIT Kanpur	<p>Nikon microscopy system This is a bundled purchase of microscopy components from Nikon including Nikon FN-1 and SMZ-18 microscopes for electrophysiology and dissection, along with various accessories.</p>		

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Srivatsan Seegazhi Gopalan	IISER Pune	<p>CombiFlash EZ Prep Flash and Preparative HPLC chromatography system Teledyne, USA</p> <p>The system is Mass Spec Ready with 200-800 nm UV-Vis variable wavelength detector, 200 mL/min max flow, 200 psi for Flash Operation and up to 3500 psi (240 bar) for High Pressure Operation. The pump produces binary gradient with real time and post run spectral display. The instrument is also equipped with fraction collector. This system is compatible with both normal silica and reverse-phase silica columns, and hence, is ideally suited for purifications of modified nucleoside phosphoramidites and triphosphates (building blocks for the synthesis of DNA and RNA).</p>		
Jayandharan Giridhara Rao	IIT Kanpur	<p>Micron IV Retinal imaging system and Ganzfeld ERG system from Phoenix systems. Helps visualizing the entire retina post gene transfer with AAV vectors expressing a reporter such as GFP. Useful for performing subretinal or intraocular injection procedures and to follow it in real time.</p>		
Sarit Agasti	JNCASR	<p>High Performance Liquid chromatography–mass spectrometry (HPLC-MS)</p>		