

**Institution of Eminence Cell
Indian Institute of Technology Bombay**

RIFIC: Round 1

Sr. No.	Facility Name	Proposer/Convener
1	Accessories (Lasers + Objective) to the existing Spinning Disc Confocal Microscope facility	Prof. Debjani Paul
2	Accessories (Laser) to the existing Laser Scanning Confocal Microscope facility	Prof. Santanu K. Ghosh
3	Three-axis angular motion simulator	Prof. Arnab Maity
4	Replaced @RIFIC Meeting held on 1.8.2019 with (a) Low resolution UHPLC-MS with Triple Quad for quantification and (b) High resolution UHPLC-MS-MS with Orbitrap or QTOF or other for identification of unknowns	Prof. Suparna Mukherji
5	NMR-400 MHz facility	Prof. Anindya Datta
6	In flight earthquake actuator with accessories for IITB large beam centrifuge facility	Prof. BVS Viswanadham
7	Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) Facility & upgradation of geochemistry Lab.	Prof. S.C. Patel
8	Multi Angle Dynamic Light Scattering System	Prof. Rohit Srivastava
9	Isothermal Titration Calorimeter	Prof. Rohit Srivastava
10	React IR In situ Fourier Transform Infrared Spectroscopy (FTIR)	Prof. Goutam Kumar
11	Behavioural Lab @SJMSOM	Prof. S. Bhargava
12	Spark Plasma Sintering (SPS) Furnace with Accessories	Prof. Titas Dasgupta
13	Super-resolution fluorescence microscope	Prof. Santanu K. Ghosh
14	Advanced Rheometer Facility	Prof. Jyoti R. Seth
15	a) Precession Electron Diffraction: Local Orientation and Strain Mapping and b) Heating and Straining Stages	Prof. Indrdev Samajdar & Prof. N.J. Balila
16	Nucleic Acids and Peptide Synthesis Facility	Prof. Pradeepkumar P.I. & Prof. Nandita Madhavan
17	Glow Discharge Optical Emission spectroscopy	Prof. V.S. Raja
18	Multiplexed Quantitative Imaging Cell Analysis System (Incucyte)	Prof. Shobhna Kapoor & Prof. Sandip Kar
19	Liquid Nitrogen Plant of 100-120 litres/ hour capacity	Prof. Shankar Krishnan
20	Multi-material 3D Printing facility	Prof. Dipti Gupta
21	Thermal Characterization Lab: Simultaneous DSC-TGA coupled with Mass Spectrometry	Prof. Sanjog Nagarkar
22	High Pressure Gas Sorption Analyzer	Prof. Kamendra P. Sharma
23	Physical Property Measurement System (PPMS)- Cryogen free system	Prof. R. Murugavel

24	Closed cycle Helium Liquefier	Prof. Gopalan Rajaraman Prof. Maheswaran Shanmugam Prof. R. Murugavel
25	Closed cycle superconducting magnet refrigerator	Prof. Avradeep Pal, Prof. Sanjog Nagarkar