

## List of Equipment for Research and Central Units Supported by Areas of Excellence Committee from 2013 to 2023

Ref.	Dept	Team Leader	Equipment	Year Awarded
1	AAE	Dr Fangxin ZOU	Mechanical Testing Platform for Aircraft Components under Service Environments	2020/21
2	AAE	Prof. C.Y. WEN	Supersonic Wind Tunnel Upgrade (SWTU) for Hypersonics Research	2021/22
3	ABCT	Prof Wing-tak WONG	AB SCIEX QTRAP 6500 LC/MS/MS System & Hitachi 7100 Clinical Analyzer	2013/14
4	ABCT	Prof Yanxiang ZHAO	Light Scattering System for Purified Proteins and Nanoparticles	2013/14
5	ABCT	Prof Yun-chung LEUNG	Sci-tive Dual N Asymmetrical Workstation	2013/14
6	ABCT	Dr Galai LAW	QM 50 Steady-state Spectrofluorometer - NIR	2013/14
7	ABCT	Prof Wing-tak WONG	FocusBio In Vivo Imaging System*	2013/14
8	ABCT	Prof Sheng CHEN	Platform for Evaluation of the Role of Gut Microbiota in Actions of Functional Food and Chinese Medicine*	2014/15
9	ABCT	Prof Yanxiang ZHAO	An Integrated Bioreactor Facility for Mammalian Cell Culture	2014/15
10	ABCT	Dr Zhongping YAO	A Comprehensive Platform for Drug Discovery Research* : - Hydrogen Deuterium Exchange (HDX) Automation Module - MALDI Ion Source with Imaging Package - Atmospheric Pressure Photoionization (APPI) Ion Source	2014/15
11	ABCT	Dr Zhongping YAO	An Advanced Sampling Platform for Tissue and Cell Analysis : - Laser Micro-dissection System - Puller and Coater of Micro-capillaries - Microscope for Monitoring Single Cells	2014/15
12	ABCT	Dr Johnny TANG	Automatic Microarray System : - QIAcube HT and QIAgility Instruments - iScan System with GoldenGate Genotyping and Infinium Automation	2015/16
13	ABCT	Dr Daniel MOK	Platform for Characterization of Chemical Properties of Solid Materials and Surfaces: - Automatic Chemisorption and Physisorption Micropore Surface Area Analyzer - Raman Microscope System; - Portable Near Infrared Spectrometer	2015/16
14	ABCT	Dr Cong MA	An Automated Sample Management System for Drug Discovery Against Invasive Diseases - a comPOUND® -20°C to ambient vial storage system - an arctic® -80°C automated Storage System	2018/19
15	ABCT	Dr Bulong HUANG	High-performance Super Computer Cluster	2019/20
16	ABCT	Dr Xin ZHAO	An Ultra-speed Mass Spectrometer for High-throughput Omics Studies	2019/20

Ref.	Dept	Team Leader	Equipment	Year Awarded
17	ABCT	Dr Zhongping YAO	An Automatic Peptide Synthesizer	2020/21
18	ABCT	Dr Kar Hei James FANG	The mIRange Optical Photothermal Infrared (O-PTIR) Microscope	2020/21
19	AP	Dr Dangyuan LEI	Fourier Transform Infrared Spectrometer (FTIR, Bruker TSENSOR 27) coupled with an Infrared Microscope System (HYPERION 2000)	2013/14
20	AP	Dr Chee-leung MAK	Accessories for Upgrading the existing micro-Raman Spectroscopic System	2013/14
21	AP	Dr Wing-man TANG	Nexdep (Deposition System with Glove Box Integration)	2013/14
22	AP	Prof Jiyan DAI	Physical Property Measurement System	2013/14
23	AP	Prof Siu-fung YU	High-energy Femtosecond Laser	2013/14
24	AP	Dr Chi-wah LEUNG	Atomic Force Microscope (AFM)-based Near-field Scanning Optical Microscope System	2013/14
25	AP	Prof Feng YAN	Comprehensive Photovoltaic Characterization System	2013/14
26	AP	Prof Shu-ping LAU	Focused Ion Beam and Transmission Electron Microscopy Systems	2013/14
27	AP	Dr Yu WANG	Aduro™ 300 Platform for JEOL TEM System	2013/14
28	AP	Prof Jianhua HAO	Upgrading the Fluorescienc Spectromter with Microscopy and Accessories	2014/15
29	AP	Dr Haitao HUANG	Packaging and Testing System for Batteries and Supercapacitors	2014/15
30	AP	Prof Siu-fung YU	Wide-spectrum Near-field Optical Microscopes for Femtosecond Laser	2014/15
31	AP	Dr Meng-jung Molly LI	In-Situ Static and Time-resolved Terahertz Time-Domain Spectrometer System	2020/21
32	AP	Dr. Yuen Hong TSANG	Advanced visible to mid infrared photosensor test system with tunable conditions	2021/22
33	AP	Dr. Ye ZHU	TEM in situ optical-electrical testing system for semiconductors and devices	2021/22
34	AP	Prof. Xuming ZHANG	NanoFrazor Explore	2022/23
35	ASRC	Dr Stephen O'Brien	Aircraft Machining Centre ECOSPEED F HT2 Pallet Size 1,000 x 1,000 mm	2016/17
36	BEEE	Dr. Minchen WEI	An imaging device calibration and characterization system	2021/22
37	BEEE	Dr. Minchen WEI	World's First Color and Geometry Measurement and Calibration Platform for Metaverse	2022/23
38	BRE	Dr Francis SIU	Rebar-Fixing Robot for Caisson Construction	2019/20
39	BRE	Prof. Heng LI	Temperature Compensated Optical Frequency Domain Reflectometry Fiber Sensing System	2022/23
40	BME	Prof Ming ZHANG	Biomechanical Tissue and Body Interface Evaluation Facility	2013/14
41	BME	Prof Yongping ZHENG	Verasonics - Vantage - 128 System	2013/14
42	BME	Prof Yongping ZHENG	Cellular Mechanobiology System	2015/16
43	BME	Dr Yechun RUAN	Combined Electronphysiology and Fluorometric Imaging System	2016/17
44	BME	Dr Xin ZHAO	Biomaterial Synthesis and Scaffold Fabrication and Characterization (BSFC) System	2016/17
45	BME	Dr Chunyi WEN	Bioluminescence Imaging System for Circadian Rhythmicity	2019/20
46	BME	Prof Lei SUN	Dual Color in Vivo Miniscope Imaging in Freely Behaving Animals	2022/23

Ref.	Dept	Team Leader	Equipment	Year Awarded
47	BRE	Prof Meng NI	Fuel Cell Testing Station and BET Equipment for Surface Area Measurement	2013/14
48	BSE	Prof Wan-ki CHOW	Cone Calorimeter	2013/14
49	BSE	Prof Shiming DENG	Energy Efficient Multi-functional Environmental Chamber	2013/14
50	BSE	Prof Shengwei WANG	Building Management System Equipment in the Intelligent Building Laboratory	2013/14
51	CAF	Prof Thomas LEUNG	Animal Cage and Rack Washer System	2016/17
52	CAF	Prof Thomas LEUNG	Universal Smart Flow Plus Single Side Blue Next Individual Ventilated Cage (IVC) Sealsafe	2017/18
53	CAF	Prof Thomas LEUNG	BMM Weston Series Two Steam Sterilizer	2017/18
54	CAF	Prof Thomas LEUNG	Individual Ventilated Cages (IVC) System for Mice Holding	2018/19
55	CAF	Prof Thomas LEUNG	Water Bottle Washer for Laboratory Animals	2018/19
56	CAF	Prof Thomas LEUNG	HS 6617 LAB Steam Sterilizer	2019/20
57	CAF	Prof Thomas LEUNG	3 Sets of Individual Ventilated Cages (IVC) System for Mice Holding	2020/21
58	CAF	Prof Thomas LEUNG	Individually Ventilated Cage (IVC) System for Mice Holding in Animal Imaging Centre	2020/21
59	CAF	Prof Thomas LEUNG	Biosafety Working Station with Anesthetic System and Associated Equipment for Cryopreservation Service Provision in CAF	2020/21
60	CAF	Prof Thomas LEUNG	Cabinet Animal Cage and Bottle Washer in Centrallized Imaging Centre	2020/21
61	CAF	Dr. Vincent KENG	Individually Ventilated Cages (IVC) System for Animal Holding	2021/22
62	CAF	Dr. Vincent KENG	Biosafety working stations for animal handling and	2022/23
63	CAF	Dr. Vincent KENG	IWT Cabinet Animal Cage & Rack Washer Atlantis Easy	2022/23
64	CAF-SZ	Prof Thomas LEUNG	High Resolution Mass Spectrometer for Metabolomic and Photeomics Study*	2020/21
65	CAF-SZ	Prof Thomas LEUNG	Mice Metabolic Cage with Respirometry System*	2020/21
66	CAF-SZ	Prof Thomas LEUNG	Individually Ventilated Cage (IVC) Systems for the Animal Biosafety Level-II (ABSL-II)	2021/22
67	CBS	Prof Ping LI	Virtual Reality (VR) for Student Learning of Foreign Languages	2019/20
68	CBS	Dr. Yu-Yin HSU	A multimodal simultaneous language processing-modeling system (of eye-movement and EEG)	2022/23
69	CEE	Prof Chi-sun POON	X-ray Fluorescence Spectrometer	2015/16
70	CEE	Dr Yuhong WANG	Dynamic Shear Rheometer (DSR)	2015/16
71	CEE	Prof Kam-tim CHAU	The Split Hopkinson Bar	2016/17
72	CEE	Prof Xiangdong LI	Air-liquid-interface Exposure Station	2017/18
73	CEE	Prof Chi-sun POON	TI Premier NanoIndenter	2019/20
74	CEE	Prof Hai GUO	A Fine Particle Characterization System for Science and Engineering Research Across Multi-	2020/21
75	CEE	Prof Jianguo DAI	An Integrated Climate Chamber for Studying Multi-scale Behaviour of FRP-Concrete Composite Structures Subjected to Combined Mechanical and Environmental Loading	2020/21
76	CEE	Prof Tao YU	Fabrication Platform for Smart Fibre-reinforced Polymer Composites	2020/21

Ref.	Dept	Team Leader	Equipment	Year Awarded
77	CEE	Dr. Alessandro STOCCHINO	Tomo-PIV & FSI: Multi-Purpose Laser-based Imaging System	2021/22
78	CEE	Dr. Qi ZHAO	High-speed area scan camera array for dynamic structures non-contact displacement measurement system	2021/22
79	CEE	Dr. Andy YF LEUNG	In situ testing system under micro-CT	2022/23
80	CEE	Dr. Huan-Feng DUAN	Multipurpose Microfluidics and Imaging System	2022/23
81	CEE	Prof Yi-Qing NI	An Optical Sensing Based Hybrid Monitoring System for Railway Health Monitoring	2022/23
82	CNERC - RAIL	Prof Yi-Qing NI	Structural Health Monitoring and Control System for Guangzhou-Shantou High Speed Railway	2018/19
83	CNERC - RAIL	Prof Yi-Qing NI	Bruel & Kjaer (B&K) Beamforming System	2020/21
84	CNERC - RAIL	Prof Yi-Qing NI	A Test Platform for Electromagnet-Rail Coupling Vibration of Medium-Speed Maglev	2020/21
85	CNERC - RAIL	Prof Yi-Qing NI	A Multi-Property Testing Platform for Nanomaterial-based Railway Track Fatigue Crack Sensors under Service Conditions	2021/22
86	EE	Dr Steven BOLES	Microscopy, Mechanics and Reliability of Novel, Nano-scale Electrode Materials for Electrochemical Energy Storage System	2014/15
87	EE	Dr Kwok-ho LAM	Equipment for High-temperature Thermal and Electrical Characterization - Laser Flash Apparatus = LFA 457 MicroFlash - Seebeck Coefficient/Electric Resistance Measuring System - ZEM-3M10	2015/16
88	EE	Prof Wei JIN	Ultra-high Precision Laser Micromachining Platform	2017/18
89	EE	Prof Alan Pak Tao LAU	High Speed Arbitrary Waveform Generator and Real-time Oscilloscope for Optical Communications, Sensing and Big Data Imaging	2020/21
90	EIE	Prof Lu Chao	Equipment for Optical Communication : - Micram Instrument AWG-6010 - Agilent Technologies DSAZ96204Q - Yokogawa AQ6375 Optical Spectrum Analyzer - 3SAE Large Diameter Splicing System - LD II - Tapering Package, Bundling Convenience Package, Polarization Maintaining (PM) Splicing Package and End-Cap Splicing Package	2013/14
91	EIE	Prof Mike Somekh	Multipoint Optical Tweezer (OT) System and Microscope/Camera System	2015/16

Ref.	Dept	Team Leader	Equipment	Year Awarded
92	EIE	Prof Chao LU	Equipment for Optical Communication and Optical Sensing Research : - High Speed Dual Channel Arbitrary Waveform Generator - High Speed Oscilloscope - Testbed for Optical Signal Transmission	2015/16
93	EIE	Dr Gang LI	Integrated Organic Solar Cell Fabrication and Characterization System	2016/17
94	EIE	Dr Changyuan YU	Advanced Broadband Photonic Measurement System Based on 67 GHz Lightware Component	2018/19
95	FH	Prof Churen HUANG	Compumedis Neuroscan ERP System with Software Package and Accessories for Research Facilities for Speech and Language Sciences	2013/14
96	HTI	Dr Helen LAW	Optical and X-ray Small Animal Imaging System	2013/14
97	HTI	Dr WK Christopher LAI	Ultra High Resolution Digital Mammography Unit	2013/14
98	HTI	Dr Polly LEUNG	Matrix-assisted Laser Desorption /Ionization-time-of-flight (MALDI-TOF) Microbial Identification System	2013/14
99	HTI	Prof Benjamin YUNG	QXI00 <sup>TM</sup> Droplet Digital /TM PCR System	2013/14
100	HTI	Dr Vincent WU	Virtual Environment for Radiotherapy Training (VERT)	2013/14
101	HTI	Dr Tony TO	Flow Cytometer	2013/14
102	HTI	Dr Winnie KAM	RS 2000 Biological Research Irradiator	2013/14
103	HTI	Dr Michael YING	Biomedica Ultrasound Scanner - MyLab Twice	2014/15
104	HTI	Dr Christopher LAI	Photoacoustic Imaging Scanner for Real-time Anatomical, Functional and Molecular Imaging	2014/15
105	HTI	Dr Ceasar WONG	Automatic Immunohistochemical Staining and Imaging System	2014/15
106	HTI	Dr Lawrence CHAN	Single-molecule Radiotracer Imaging System	2014/15
107	HTI	Dr Chien-ling HUANG	BioFlux System (Live-cell Functional Analysis under Mechanical Shear Flow)	2015/16
108	HTI	Prof Shea-ping YIP	Automated Digital Slide Scanner	2015/16
109	HTI	Dr Gilman SIU	Advanced Microsystem for Real-time Tracking and Imaging of Live Bacteria	2015/16
110	HTI	Dr Tony TO	Histological Workstation for Real-time PCR Analysis on Paraffin-embedded and Fresh Tissue	2015/16
111	HTI	Dr Chi-ming WONG	A Shared Infrastructure for Biomolecule Purification and Analysis (HTI-2)	2020/21
112	HTI	Prof. Weixiong ZHANG	Short-read Next-Generation Sequencing (NGS) Platform	2021/22
113	HTI	Prof. Weixiong ZHANG	Sample Processing, Validation and QC Platform	2021/22
114	IC	Mr Hon-wah WAI	Equipment for High-performance Fibre Composites Research - Composite Curing Autoclave - Ultrasonic Neon-destructive Evaluation Kit for Fibre Composites - Computer-aided Composites Modeling System	2013/14
115	IC	Mr Yi-sen Sam DENG	CNC Turret Press and CNC Press Brake	2013/14

Ref.	Dept	Team Leader	Equipment	Year Awarded
116	IC	Dr WM Robert TAM	5-Axis CMM (with high speed scanning probe) and Micro EDM Milling	2013/14
117	IC	Mr Hon-wah WAI	Laser Photo Plotter	2013/14
118	IC	Dr Robert WM TAM	5-Axis CNC High Speed Machine Centre	2013/14
119	IC	Dr Robert WM TAM	Portable Precise 3D Scanning System	2013/14
120	IC	Ir Dr Martin WONG	Dual Chamber Induction Precision Casting Machine for Stainless Steel and High Temperature Metal Alloy	2015/16
121	IC	Mr Alvin T.F. WONG	NDT Equipment for Building Inspection	2015/16
122	IC	Ir Dr Martin WONG	Physical Vapour Deposition (PVD) Equipment	2015/16
123	IC	Ir Dr Robert W.M. TAM	5-Axis CNC Turn-Mill Machining Centre	2015/16
124	IC	Dr Michael LEUNG	Composites and Metal Testing System	2018/19
125	IC	Dr Michael LEUNG	Composites Automatic Cutting System	2018/19
126	IC	Mr Hon-wah WAI	A Large Scale Movable 3D Concrete Printer	2020/21
127	IC	Mr Hon-wah WAI	Construction Digital Twin Robotic System	2020/21
128	IC	Mr Hon-wah WAI	Instron 8802 Servohydraulic Fatigue Testing System	2020/21
129	IC	Mr Hon-wah WAI	Metal Powder Binder Jetting Printing System	2020/21
130	IC	Mr Hon-wah WAI	A multi-material binder-jetting printer for construction cementitious material 3DP research	2021/22
131	IC	Mr Hon-wah WAI	An Advanced Multi-Functional Concrete Compression Testing System for Construction	2022/23
132	IC	Mr Hon-wah WAI	Five-Axis Waterjet Cutting Machining Center	2022/23
133	ISE	Prof Hau-chung MAN	Laser Rapid Forming (LRF) System - Optomec LENS Model MR-7 System	2014/15
134	ISE	Dr Luen-chow CHAN	5-axis Numerical Control X-ray 3D Computed Tomography Machine	2014/15
135	ISE	Prof Hau-chung MAN	2000W Fibre Laser System for Welding and Surface Engineering Work	2015/16
136	ISE	Prof Chak-yin TANG	Two-photon Laser Nano-lithography System	2015/16
137	ISE	Prof Benny CHEUNG	µ4-Mill 6 Axis Compact Ultra-precision Diamond Micromachining System	2015/16
138	ISE	Prof Suet Sandy TO	Micro-laser Assisted Ultra-precision Machine on Difficult-to-cut Materials for Freeform and Microstructures	2020/21
139	ISE	Prof. C.Y. TANG	NOVASPIDER PRO+	2021/22
140	ISE	Dr. Pai ZHENG	A Human-Machine Symbiotic Manufactruing System	2022/23
141	LSGI	Prof XL DING	GAMMA Portable Radar Interferometer (GPRI)	2013/14
142	LSGI	Dr Zhi-zhao LIU	Modernized GNS Instrument Facility (MGIF)	2013/14

Ref.	Dept	Team Leader	Equipment	Year Awarded
143	LSGI	Dr Charles WONG	Geospatial Infrastructure and Equipment for Facilitating ‘Smart City’ Research	2015/16
144	LSGI	Dr George LIU	Water Vapor Sensing System (WVSS-II) Sensors and Microwave Radiometer (MWR) Sensors	2018/19
145	LSGI	Dr Charles WONG	HySpex’s VNIR-1800 and SWIR-384 Hyperspectral Scanner	2020/21
146	LSGI	Dr Wallace LAI	Multi-channel and Multi-static Ground Penetrating Radar (GPR)	2020/21
147	LSGI	Prof XL DING	Mobile Mapping System - System Hardware	2020/21
148	LSGI	Prof XL DING	Distributed Optical Fiber Sensing System	2021/22
149	ME	Prof Chih-yung WEN	Advanced Multi-parameter Optical/Laser Diagnostic System (AMOLDS) for Thermal-fluids	2015/16
150	ME	Prof Guohua CHEN	Facilities for Lithium/Sodium Ion Battery Assemble and Characterization	2016/17
151	ME	Dr Liang AN	Characterization and Diagnostic Platform for Solar Energy Storage and Conversion	2020/21
152	ME	Prof. Zhongqing SU	A Ground-breaking Platform for Fully Noncontact, Nano-scale Characterization of Micro-	2021/22
153	ME	Prof Minwang FU	Multi-scaled 3D printing equipment with in-situ control and monitoring of process for for	2022/23
154	RCDSE	Prof Kai-leung YUNG	Lunar Regolith Storage and In-situ Non-Destructive Characterization Analysis System	2020/21
155	RS	Prof Gladys CHEING	Force Plate Embedded Treadmill	2013/14
156	RS	Dr Margaret MAK	Simulation Laboratory	2013/14
157	RS	Prof Gladys CHEING	Facilities for Translational Research on Tissue Healing : - Material Testing System - Histological Workstation with Spectral Scanning Multimode Reade	2013/14
158	RS	Dr Kenneth FONG	Hand Motion Analysis and Rehabilitation Laboratory	2013/14
159	RS	Dr Benson LAU	Simulation, Tracking and Morphological Analysis Platform for Neuroscience	2014/15
160	RS	Dr. Roy CHEUNG	Vicon Motion Capturing System and AMTI Force Plate	2015/16
161	RS	Dr Grace SZETO	Non-invasive Neuromuscular Functional Measurement System	2015/16
162	RS	Dr. Roy CHEUNG	Noraxon Portable Biomechanics Lab	2016/17
163	SKL-CBDD	Prof Kwok-yin WONG	Modular, Multi-mode Microplate Reader for Life Science Research	2013/14
164	SKL-CBDD	Prof Kwok-yin WONG	A Preparative High Performance Liquid Chromatoraphy System for Quantitative Purification of Chemicals	2013/14
165	SKL-CBDD	Prof Kwok-yin WONG	A Platform for Research in Chiroscience and Chemical Biology - Liquid Chromatography System for Chiral Separation and Analysis - Gas Chromatography-Mass Spectromeetry System for Chiral Separation and Analysis - Spectrofluormeter for Lifetime Measurement	2016/17
166	SKL-CBDD	Prof Kwok-yin WONG	Chromatography Facility for Protein Purification and Characterization	2018/19

Ref.	Dept	Team Leader	Equipment	Year Awarded
167	SKL-CBDD	Prof Kwok-yin WONG	Liberty Blue Peptide Synthesis System	2018/19
168	SKL-CBDD	Prof Kwok-yin WONG	1. RQF-3 Chemical Quench Flow Instrument Complete 2. Magritek Spinsolve 90 benchtop NMR spectrometer	2021/22
169	SKL-CBDD	Prof Kwok-yin WONG	1. Bruker JPK NanoWizard V BioScience AFM; 2. Graphics (GPU) Workstation for Deep Learning, Simulation & Image Processing	2022/23
170	SKL-UPM	Prof Lee Wing-bun	Precision and Multi-sensor Metrology System	2013/14
171	SKL-UMP	Prof Cheung Chi-fai Benny	Cranfield Precision TTG 350 Twin Turret Generator	2020/21
172	SKL-UMP	Prof Cheung Chi-fai Benny	High-speed Photoelectric Image Acquisition and Measurement System from Vision Research	2022/23
173	SN	Dr Sau-fong LEUNG	NEUROLITH Transcranial Pulse Stimulation System	2020/21
174	SO	Prof Chi-ho TO	Proteomic PRIME Solution with the Next Generation LC Tandem Mass Spectrometry	2013/14
175	SO	Dr Henry CHAN	Retinal Diagnostic Imaging	2014/15
176	SO	Dr Thomas CHAN	Triple Quad QTRAP Mass Spectrometer with IonDrive™ Technology for Proteomics and	2015/16
177	SO	Dr Dennis TSE	Ultra-deep in-vivo Imaging System System for Biometric Analysis of Transgenic Mouse and Zebrafish	2016/17
178	SO	Prof. Chea-su KEE	The Brillouin Optical Scanner System	2022/23
179	U3DP	Prof Hau-chung MAN	3D Printing Metal Powder Development and Analytical Instrument	2020/21
180	U3DP	Prof Hau-chung MAN	Ceramic 3D Printer and Post-processing Equipment	2020/21
181	U3DP	Prof Hau-chung MAN	STRATASYS J850™ 3DFASHION PRINTER	2021/22
182	UBDA	Prof Xiaojun CHEN	Computer clusters with new generation GPU cards	2021/22
183	UBSN	Prof Marco PANG	MRI capacity enhancement platform	2021/22
184	UBSN*	Prof Marco PANG	Equipment for Behavioral Science Laboratory in PolyU Shenzhen Institute	2021/22
185	UBSN	Prof Marco PANG	Mobile Electroencephalogram (EEG) System	2022/23
186	UCEA	Prof Wing-tak WONG	Simulator of the Human Intestinal Microbial Ecosystem (SHIME)	2018/19
187	UCEA	Prof Wing-tak WONG	2-Dimensional Ultra Performance Liquid Chromatography System	2020/21
188	UCEA	Dr Ka Fu YUNG	timisTOF System - A High Throughput Mass Spectrometer for Proteomics Research	2020/21
189	UCEA	Dr Ka Fu YUNG	LI-6800F Portable Photosynthesis System Package	2020/21
190	UCEA	Dr Ka Fu YUNG	Modular photoluminescence spectrometer	2021/22
191	UCEA*	Dr Ka Fu YUNG	An advanced research platform for one sustainable health in Shenzhen Research Institute	2021/22



Ref.	Dept	Team Leader	Equipment	Year Awarded
192	UCEA*	Dr Ka Fu YUNG	A Chromatography and Mass Spectrometry Platform for Drug Discovery and Food Science	2021/22
193	UCEA*	Dr Ka Fu YUNG	Material characterization platform for material science, polymer, biological sensor and life	2021/22
194	UCEA*	Dr Ka Fu YUNG	500MHz high resolution Nuclear Magnetic Resonance (NMR) Spectrometer	2021/22
195	UCEA	Dr Ka Fu YUNG	Modular Transient Absorption Spectrometer	2022/23
196	UCEA	Dr Ka Fu YUNG	Temperature-Programmed Desorption-Mass Spectrometry	2022/23
197	ULS	Prof Kwok-yin WONG	Temperature-controllable Circular Dichroism Spectrometer with Fluorescence Scanning	2017/18
198	ULS	Prof Kwok-yin WONG	A Semi-automated Wide-field Imaging Platform for Long Duration Live-cell Imaging and	2017/18
199	ULS	Prof Kwok-yin WONG	A Sample Preparation and Data Acquisition Package for MALDI-MS Imaging	2017/18
200	ULS	Prof Kwok-yin WONG	Nikon N-SIM/N-STORM System for Confocal-super-solution Imaging	2018/19
201	ULS	Prof Kwok-yin WONG	An Automated Hydrogel-tissue Polymerisation and Electrophoretic Tissue Clearing System Based on the CLARITY Tissue Clearing Technique	2018/19
202	ULS	Prof Kwok-yin WONG	A Simple and Robust Mass Spectrometer for Rapid Characterization of Chemical Compounds	2018/19
203	ULS	Prof Kwok-yin WONG	An Ultra-High Performance Liquid Chromatography / Triple-Quadrupole Mass Spectrometer (UPLC/QQQ-MS) with Ion-mobility Separation Function for Ultra-sensitive Quantitative	2019/20
204	ULS	Prof Thomas LEUNG	A High-resolution Micro-computed Tomography System for in vivo Small Animal and ex vivo Specimen Imaging	2019/20
205	ULS	Prof Thomas LEUNG	Supporting Equipment for Sample Preparation and Data Analysis Software for Mass	2020/21
206	ULS	Prof Thomas LEUNG	A Cutting-edge Mass Spectrometry-based Platform for Metabolomics	2020/21
207	ULS	Prof Thomas LEUNG	A multi-parameter flow analyzer	2021/22
208	ULS	Prof Thomas LEUNG	Surface plasmon resonance (SPR) system for drug discovery and development	2021/22
209	ULS	Prof Thomas LEUNG	Single Cell Analysis platform	2021/22
210	ULS*	Prof Thomas LEUNG	Confocal Microscope	2021/22
211	ULS*	Prof Thomas LEUNG	Inverted fluorescence microscope and incubation module for live cell imaging with accessory equipment	2021/22
212	ULS*	Prof Thomas LEUNG	In vivo and Ex vivo Research Platforms for Assessment of Cardiac Performance	2021/22
213	ULS*	Prof Thomas LEUNG	A multi-color cell sorting cytometer	2021/22
214	ULS*	Prof Thomas LEUNG	Whole Body Composition Analyzer	2021/22
215	ULS*	Prof Thomas LEUNG	Optical and electrical neural activity monitoring and manipulating system for rodents	2021/22
216	ULS*	Prof Thomas LEUNG	Visual and Neural Science Platform	2021/22
217	ULS*	Prof Thomas LEUNG	Observation chamber and incubator for zebrafish research	2021/22

Ref.	Dept	Team Leader	Equipment	Year Awarded
218	ULS*	Prof Thomas LEUNG	Temperature controllable Circular Dichroism spectrophotometer	2021/22
219	ULS	Prof Thomas LEUNG	Metabolic cage upgrade from 8-cage to 16-cage	2022/23
220	ULS	Prof Thomas LEUNG	An inverted confocal microscope for live and large volume 3D imaging	2022/23
221	UMF	Prof Daniel LAU	X-ray Diffractometer SmartLab TM 9kW	2016/17
222	UMF	Prof Daniel LAU	X-ray Photoemission Spectrometer and Imaging System for High-Sensitivity, Automated Surface Characterization	2018/19
223	UMF	Prof Daniel LAU	X-ray Pair Distribution Function for the Discovery of New Chemical Phases and Nano-structures of Functional Materials	2018/19
224	UMF	Prof Daniel LAU	Scanning Electrochemical Microscopy System	2018/19
225	UMF	Prof Daniel LAU	NanoMill TEM-FIB Specimen Preparation System	2020/21
226	UMF	Prof Daniel LAU	Scanning Electron Microscope (SEM) TESCAN MIRA	2020/21
227	UMF	Prof Daniel LAU	In situ quantitative mechanical testing system for advanced materials	2021/22
228	UMF*	Prof Daniel LAU	Scanning Microwave Impedance Microscopy	2021/22
229	UMF	Prof Daniel LAU	Magneto-Cryo Raman/ Photoluminescence system	2022/23

\* The equipment is located in Shenzhen

January 2024