

THE HONG KONG POLYTECHNIC UNIVERSITY
University Research Facility in Behavioral and Systems Neuroscience

Charging Scheme (*updated 16 September 2020)

Name of Equipment	Location	Charge per session (HKD)			Unit time per session (hour) (Note 2)
		PolyU Users (Note 1)	Users from other UGC-funded Universities / Self-financed local universities / Non-local universities / HKSAR Government	Other External Users	
Behavioral Tests (Human)					
TOBII Eye Tracker	ST114	30	60	150	1.0
VICON Motion Analysis for Upper Limb	ST114	60	120	300	3.0
Dynamic Stability and Balance Learning Environment (DynSTABLE)	ST011	90	180	450	1.0
Rotational Vestibular Chair System 2000	ST011a	70	140	350	1.0
PATHWAY Model ATS/CHEPS Heat Pain Stimulator	ST113	40	80	200	1.0
Brain Stimulation (Human)					
MagVenture Transcranial Magnetic Stimulation System (TMS)	ST105	80	160	400	1.0
Soterix Transcranial Direct Current Stimulator (tDCS)	ST105	10	20	50	0.5
Starstim hybrid EEG/tCS neurostimulator system	ST105	20	40	100	1.0
Electrophysiology (Human)					
Neuroscan 64-channel EEG/ERP	ST113/105	60	120	300	1.5
Neuroscan High Res 128-channel EEG/ERP	ST113/105	110	220	550	2.0
Neuroscan High Res 256-channel EEG/ERP	ST113	220	440	1,100	3.0
ANT Neuro Mobile EEG	ST004	90	180	450	1.5
Neurofeedback and Ambulatory EEG System	ST105	30	60	150	1.5
fMRI Compatible Multi-channel EEG System	S107	80	160	400	2.0
Imaging (Human)					

Hitachi Optical Topography System (fNIRS)	ST113	220	440	1,100	1.5
Heidelberg Optical Coherence Tomography (OCT)	Optometry Clinic	120	240	600	1.0
Transcranial Ultrasound Doppler (TCD) System Integrated with Continuous Blood Pressure Monitoring	S107	60	120	300	1.0
AO Imaging	A137	90	180	450	1.0
Behavioral Tests (Animal)					
The Gemini Avoidance System	ST810	20	40	100	1.0
Avoidance Learning in Shuttle Boxes (Mice)	ST810	20	40	100	1.0
Avoidance Learning in Shuttle Boxes (Rats)	ST810	20	40	100	1.0
Fear Conditioning (Mice)	ST810	20	40	100	1.0
Fear Conditioning (Rats)	ST810	20	40	100	1.0
Operant Conditioning Boxes (Mice)	ST810	20	40	100	1.0
Operant Conditioning Boxes (Rats)	ST810	20	40	100	1.0
SR-LAB Startle (Mice/Rats)	ST810	20	40	100	1.0
Rotarod	CAF	20	40	100	1.0
Running Wheel for mice	ST108	20	40	100	9.0 (See Note 3)
Porsolt Forced Swim Test (FST)	ST108	20	40	100	9.0 (See Note 3)
Open Fields	ST108	20	40	100	9.0 (See Note 3)
The Elevated Plus Maze (EPM)	ST108	20	40	100	9.0 (See Note 3)
T Maze	ST108	20	40	100	9.0 (See Note 3)
Y Maze	ST108	20	40	100	9.0 (See Note 3)
Light-dark box	ST108	20	40	100	9.0 (See Note 3)
The Three-Chamber Test of Sociability and Social Recognition	ST108	20	40	100	9.0 (See Note 3)
Electrophysiology (Animal)					
AlphaLab SnR 16-Channel	ST108	30	60	150	1.0
Animal Visual Evoked Potentials (VEP) System	Y523	240	480	1,200	5.0
Multifocal Visual Evoked Cortical Potentials (VECP) System	Y523	60	120	300	5.0

Patch Clamp Recording System for Culture Cell	ST108	30	60	150	9.0 (See Note 4)
Double Patch Clamp for Brain Slice	ST108	110	220	550	9.0 (See Note 4)
Double Patch Clamp for Retina	GH112	70	140	350	9.0 (See Note 4)
Microelectrode Array 256 channels	GH112	60	120	300	9.0 (See Note 4)
Microelectrode Array (MEA) System for Brain Slice	ST108	30	60	150	9.0 (See Note 4)
Imaging (Animal)					
Cellular Imaging Analysis Stereo Investigator	ST108	50	100	250	1.0
Powered Zoom Stereomicroscope for Microsurgery	Y523	30	60	150	4.0
Tunable Laser Source	S109	60	120	300	1.0
Upright Confocal Microscope	GH112	100	200	500	1.0
Others					
Vibrating microtome	GH112	20	40	100	2.0
Vibrating microtome	ST108	20	40	100	2.0
Near Infra-red Spectroscopy (NIRS)	ST113	90	180	450	1.0
S88 Dual Output Square Pulse Pain Stimulator	ST113	20	40	100	1.0
Electronic von Frey	ST108	20	40	100	1.0
Injection pump (Harvard 11 Elite Nanomite)	ST108	20	40	100	1.0
Injection pump (Harvard PHD ULTRA 70-3007)	ST108	20	40	100	1.0
Stereotaxic frame	CAF	20	40	100	1.0

Note:

1. a) Non-PolyU users who collaborate with PolyU UBSN PIs (as PI or co-I) are categorized under “PolyU Users”.

b) UBSN PIs are subject to a 50% discount of the “PolyU Users” rate **until 31 August 2022**. A full rate will be charged after this date.

c) Faculty members who are within the first year joining PolyU will receive a 50% discount of the “PolyU Users” rate **until 31 August 2022**. A full rate will be charged after this date.

d) UBSN PIs are eligible for booking 10 free sessions for gathering pilot data for purpose of bidding external grants. Please follow the “Procedures on Applying for Free Sessions for Research Proposal Writing” available at <https://ubsn.polyu.edu.hk/Index/Download>.

e) To support the strategic plan of embedding research in undergraduate programme, UBSN PIs who supervise Final Year Capstone Project are eligible for booking for their students 50 free sessions during the project period. The leading student researcher will need to register under the name of the supervisor as a UBSN student users and reserve equipment through our online booking system. Charging will incur as per the PolyU UBSN User rate if the number of usage sessions exceeds 50 sessions.

f) UBSN may offer special charging rate for PIs who are lack of external and internal research fund support at the discretion of the UBSN Director.
2. The time allocated to one “session” includes the times required for the data collection, as well as carrying out the preparatory procedures before data collection and the cleanup procedures after the data collection.
3. The Animal Behavioral Test System is stored in ST108. Users should contact UBSN staff for checking in and out the equipment. After checking out the equipment, users will fetch the equipment to the Centralised Animal Facilities (CAF) where the experiment is to be conducted. Upon completion of the experiment, users should contact UBSN staff for returning the equipment to ST108.
The minimum hours of usage of the equipment is set at nine hours per session. The nine hours are also the maximum number of hours to be charged for the use of the equipment on one day (in case of > 9 hours). The return of the equipment should be before 6:00 pm of each day.
4. The minimum hours of usage of the equipment is set at nine hours per session. The nine hours are also the maximum number of hours to be charged for the use of the equipment on one day (in case of > 9 hours).
5. UBSN reserves the rights to make final decisions on determining which group a user would belong to and whether a discount rate is to be offered to any user.

6. The use of equipment for teaching UGC funded undergraduate and postgraduate subjects will not be charged.
7. The use of equipment for teaching self-financed subjects/courses will be charged according to the user group affiliation of the subject leader. The charge will be waived for PolyU UBSN users **till 31 August 2022**.
8. All charging rates are subject to change without prior notice. Users should refer to the latest version of this charging scheme, which is available on the UBSN webpage (<https://ubsn.polyu.edu.hk>).