

ACADEMIC RATE 2022		INDUSTRIAL RATE
TEM/SEM OPERATION		
TEM (FEI T12, JEOL 2010)	\$120/hour	\$180/hour
JEOL 2200FS	\$180/hour	\$280/hour
FEI Titan Krios	\$380/hour	\$560/hour
FEI Helios HRSEM	\$120/hour	\$180/hour
FEI Helios FIB/SEM	\$180/hour	\$280/hour
JEOL SEM	\$40/ hour	\$60/ hour
Technical Service	\$120/hour (labor only)	\$180/hour (labor only)
TEM/SEM TRAINING		
TEM	\$1500/day	\$2250/day
JEOL SEM	\$220/Half day	\$330/Half day
Helios SEM	\$480/Half day	\$720/Half day
Helios SEM/FIB	\$1500/day	\$2250/day
Krios CryoEM	\$3000/day	\$4500/day
EM SAMPLE PREPARATION TRAINING		
Plunge Freezing	\$480	\$720
High-pressure freezing	\$480	\$720
Ultra-Microtomy	\$480	\$720
Staining	\$250	\$380

ANCILLARY EQUIMENTS USAGE		
Vitrobot	\$80/hour	\$120/hour
HPF (LN2 excluded)	\$80/hour	\$120/hour
Leica FS machine (LN2 excluded)	\$8/hour	\$12/hour
Ultra-Microtome	\$80/hour	\$120/hour
Critical Point Dryer	\$80/hour	\$120/hour
Gold Coating	\$80/hour	\$120/hour
Platinum Coating	\$80/hour	\$120/hour
Carbon Coating	\$40/hour	\$60/hour

APPENDIX

Currently available electron microscopes and their configuration:

1. FEI Titan Krios Cryo-TEM
300kV, FEG, 4k FEI-Falcon II, Volta phase-plate and Gatan K3- GIF
2. JEOL 2200FS Cryo-TEM
200kV, FEG, Omega energy filter, Orius CCD and DE-16
3. FEI Tecnai T12 TEM
120kV, LaB6, 4k x 4k Gatan CCD
4. JEOL JEM 2010F TEM
200kV, FEG, 4k x 4k Gatan OneView CCD
5. JEOL SEM 6510 Tungsten Filament
6. Helios Dual Beam
FEG HRSEM and Focused Ion Beam, ETD and TLD detectors

The ancillary equipment

1. HPM 01 high pressure freezer
2. Leica freeze substitution machine
3. Vitrobot plunge freezer
4. Critical point drier (Auto)
5. Coater for gold (Au)/ Platinum (Pt) coating
6. Carbon coater
7. Glow Discharger
8. Ultra-microtome

Contact

- Mr. Chong Ping Lee dbscpl@nus.edu.sg 65166321(O)
- Dr. Shi, Jian dbsshijj@nus.edu.sg 65165857(O) Manager