

<b>CRYO-EM FACILITY CHARGES FOR ACADEMIC USAGE</b>		<b>INDUSTRIAL RATE</b>
<b>TEM/SEM OPERATION</b>		
FEI Titan Krios	\$250/hour	\$380/hour
JEOL 2200FS	\$120/hour	\$180/hour
TEM (FEI T12, JEOL 2010)	\$80/hour	\$120/hour
FEI Helios HRSEM	\$80/hour	\$120/hour
FEI Helios FIB/SEM	\$120/hour	\$180/hour
JEOL SEM	\$25/ hour	\$40/ hour
Technical Service	\$80/hour (for labor)	\$120/hour (for labor)
<b>TEM/SEM TRAINING</b>		
TEM	\$500/day(lump sum) \$800/day(non-lump sum)	\$1200/day
JEOL SEM	\$150/half day	\$180/half day
Helios SEM	\$300/day	\$450/day
Helios SEM/FIB	\$800/day	\$12000/day
<b>EM SAMPLE PREPARATION TRAINING</b>		
Conventional TEM Sample Prep	\$300	\$450
Plunge Freezing	\$150	\$250
High-pressure freezing/freeze substitution	\$300	\$450
Sample embedding	\$50	\$75
Ultra-Microtomy	\$300	\$450
Staining	\$150	\$250
<b>ANCILLARY EQUIMENTS</b>		
Vitrobot	\$45/hour	\$70/hour
HPF (LN2 excluded)	\$45/hour	\$70/hour
Leica FS machine (LN2 excluded)	\$5/hour	\$10/hour
Ultra-Microtome	\$30/hour	\$50/hour
Critical Point Dryer	\$30/hour	\$50/hour
Gold Coating	\$30/hour	\$50/hour
Platinum Coating	\$30/hour	\$50/hour
Carbon Coating	\$15/hour	\$30/hour
<b>CONSUMABLES</b>		
Glutaraldehyde	\$30/vial	\$50/vial
Osmium tetra-oxide	\$50/vial	\$80/vial
Bare TEM Grids (x100)	\$50/vial	\$80/vial

## APPENDIX

### Currently available electron microscopes and their configuration:

1. FEI Titan Krios Cryo-TEM  
300kV, FEG, 4k x 4k FEI-Falcon direct detector, Volta phase-plate and Gatan Tridiem GIF with 2k x 2k post-GIF Gatan CCD
2. JEOL 2200FS Cryo-TEM  
200kV, FEG, Omega energy filter, Zernike phase-plate, DE-12 and Orius CCD
3. FEI Tecnai T12 TEM  
120kV, LaB6, 4k x 4k Gatan Ultra-Scan CCD and Gatan Orius 2k x 2k
4. JEOL JEM 2010F TEM  
200kV, FEG, 4k x 4k Gatan Ultra-Scan CCD and Gatan Orius 2k x 2k
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. Embedding Oven
8. Ultra-Microtomes (Leica, Reichert)
9. Plasma cleaner/ Hydrophilic treatment device

### Contact

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