

CCMR Shared Facility Rates - External Academic/non-Profit Use

(Updated July 2, 2025)

Some rates consist of a fixed charge plus an hourly rate or a minimum charge.
*For academic users, use exceeding \$12.5k in the calendar year
will be charged at 60% of the normal instrument use fee.*

Ext. Acad. Rate

Manager Labor Rate (charged in addition to instrument rates below for assisted use)	\$193.00 /hr
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Electron Microscopy

Arctica-S/TEM	\$141.70 /hr
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Krios-S/TEM	Please contact us for details
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Transmission Electron Microscopes:

Andromeda, Kraken	\$152.00 /hr
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Perseus, F200ci, Titan	\$141.70 /hr
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Titan	\$141.70 /hr
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Scanning Electron Microscopes

Zeiss Gemini/Sigma, Tescan Mira	\$152.00 /hr
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Keck	\$141.70 /hr
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Thermo-Helios-G4-UX-FIB	\$186.00 /hr
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Tescan-Xeus-Plasma-FIB	\$186.00 /hr
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TEM Sample Preparation:

Allied Multiprep Polishers	\$54.00 /hr
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Allied TechCut5 Precision High Speed Saw	\$92.00 /use
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Leica Cryo- & Ultra- Microtomes	\$92.20 /hr
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Vibratory Polisher	\$92.00 /use
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Microscopy, Spectroscopy, Surface Analysis

Thermo Nexsa G2 XPS Surface Analysis System	\$143.00 /hr
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<i>Nexsa night rate</i>	\$125.00 /hr
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Keyence VK-X260 3D Laser Scanning Confocal Microscope	\$70.85 /hr
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Asylum-MFP3D-Bio-AFM-SPM	\$79.00 /hr
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Tencor Alpha Step 500 Stylus Profilometer	\$43.25 /hr
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WITec-Alpha300R-Confocal-Raman-Microscope	\$79.70 /hr
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Renishaw InVia Confocal Raman Microscope	\$79.70 /hr
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3i-Marianias-Spinning-Disk-Confocal-Microscope	\$42.00 /hr
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Bruker Hyperion FT-IR Spectrometer & Microscope	\$81.25 /hr
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Bruker Vertex Vacuum FT-IR		\$81.25 /hr
Cary 5000 UV Vis NIR Spectrometer		\$66.40 /hr ‡
Edinburgh FLS1000 Fluorescence and Lifetime Spectrometer		\$66.40 /hr ‡
JASCO 1500 CD Spectrometer		\$66.40 /hr ‡

Soft Matter/Polymer Analysis

TA Instruments DHR3 Single Head Rheometer	\$26 +	\$32.50 /hr
Thermo Fisher Capillary Breakup Extensional Rheometer (CaBER)		\$67.50 /hr
Bruker Autoflex Max MALDI		\$223.00 /hr
Waters Ambient-Temperature GPC		\$60.20 /hr
Waters Ambient-Temperature Aqueous GPC		\$60.20 /hr
Waters Breeze DMF-GPC		\$60.20 /hr
TA-Instruments-TGA-5500		\$60.20 /hr
TA Instruments Auto 2500 Differential Scanning Calorimeter		\$60.20 /hr

X-Ray and Diffraction Analysis

Rigaku SmartLab X-Ray Diffractometer		\$81.35 /hr
Bruker D8 General Area Detector Diffraction System (GADDS)	\$15 +	\$90.00 /hr
Bruker D8 Powder Diffractometer		\$90.00 /hr
Multiwire Back-Reflection Laue Detector		\$134.80 /hr

Mechanical Properties Testing and Analysis

TA Instruments DMA Q800 Dynamic Mechanical Thermal Analysis (DMTA)	\$16 +	\$75.00 /hr
TA Instruments Q400EM Thermomechanical Analysis (TMA)		\$92.00 /hr
Micro Hardness Tester	\$6 +	\$10.30 /hr
Linkham Microscope Tensile Stage	\$100 +	\$5.17 /hr
ATM Sonic sifter		\$21.50 /hr

Thin Film Deposition, and Material Processing

Varian Thermal Bell Jar Evaporator Clark Hall		\$149.50 /use
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Sputtering Deposition System		\$214.00 /use
KSV-NIMA-KN4010 Dip Coater	\$5.25 +	\$23.00 /hr
KSV-NIMA-KN2002 Langmuir Blodgett Trough	\$10.50 +	\$23.00 /hr
Laurell WS-400A Spin Coater	\$10.50 +	\$21.50 /hr

Heat Treating

Carbolite 1600C Vacuum Tube Furnace	\$6 +	\$6.20 /hr
All other furnaces/oven in Clark and Bard: Vacuum tube furnace, ovens, air furnaces, controlled atmosphere furnaces, etc.	\$6 +	\$5.15 /hr

Electronic & Magnetic Measurements

Quantum Design Physical Property Measurement Systems (PPMS)	\$35 +	\$25.75 /hr
Quantum Design MPMS3 SQUID Magnetometer	\$35 +	\$31.80 /hr
Lakeshore Tabletop Magnetic-Cryogenic Probe System		\$27.10 /hr
Cascade CPS-06 Four Point Probe	\$6 +	\$33.50 /hr

Sample Preparation, Cutting, Polishing, etc.

Sample Prep

Enerpac Hydraulic Press		\$21.50 /hr
Buehler Simplemet II mounting press	\$10 +	\$21.50 /hr
Inert Gas Glove Box (+ monthly storage fee)		\$44.25 /use
Labstar-Pro-Glovebox-2D-Transfer-Station	\$16 +	\$15.20 /hr
Ball Mill		\$10.90 /hr
Spex 8000 MIXER /MILL	\$23 +	\$3.44 /hr

Cutting/Cleaning/Polishing

Glass Bead Abrasive Unit (sand blasting)-Clark		\$34.40 /hr
SS White Sand Blasting Unit	\$10 +	\$34.40 /hr
Struers Rotopol		\$58.00 /hr

Welding/Bonding

WestBond-747630E Wire Bonder	\$5 +	\$21.50 /hr
TPT HB05 Manual Wire Bonder	\$5 +	\$21.50 /hr

Test Equipment Lending Library

(more info at <https://www.ccmr.cornell.edu/facilities/instruments/instrument-lending-library>)

Visit the library in D21 Clark Hall to see all instruments, rates, or to consult with staff)

8000-Varian-979-Helium-Leak-Detector	\$16 +	\$3.40 /hr
8003 Pfeiffer-ASM-340-Dry Helium Leak Detector	\$16 +	\$4.30 /hr
8001-8002 - Portable RGA Pump Stations (Extorr or SRS)	\$16 +	\$1.72 /hr
8010-8013 - Portable Turbo Pump Stations (Clark & Bard)	\$6 +	\$1.02 /hr

8020-8024 - Rough Pumps (Clark Hall)	\$6 +	\$0.41 /hr
9000, 9016 - Stanford Research SR844 RF Lock-in Amplifier	\$6 +	\$0.33 /hr
9001-9009, 9017 - Signal Recovery 7265 Lock-in Amplifiers	\$6 +	\$0.17 /hr
9015 - Zurich Instruments 50MHz HF2LI Lock-in Amplifier	\$6 +	\$0.78 /hr
9014, 9018 - Signal Recovery 7270 Dual Lock-in Amplifier	\$6 +	\$0.24 /hr
9023-9025 - Signal Recovery 5113 Preamplifiers	\$6 +	\$0.10 /hr
9026-9030 - Stanford Research SR560 Low Noise Amplifiers	\$6 +	\$0.10 /hr
9040-9045 - Agilent E3630A Triple Output Power Supplies	\$6 +	\$0.04 /hr
9060-9065 - Yokogawa 7651 DC Programmable Power Sources	\$6 +	\$0.14 /hr
9070 - Agilent 33250A 80MHz Arbitrary Waveform Generator	\$6 +	\$0.16 /hr
9072-9076 - HP 3325A Function Generators	\$6 +	\$0.07 /hr
9079 - Agilent 33250A-80MHz Arbitrary Waveform Generator	\$6 +	\$0.15 /hr
9080-9084 - Agilent E8257 PSG Analog Signal Generators	\$6 +	\$0.78 /hr
9085 - HP 8657B 2GHz Signal Generator	\$6 +	\$0.07 /hr
9091-9092 - Picosecond 10070A Pulse Generators	\$6 +	\$0.57 /hr
9107-9109 - Agilent 200MHz Digital Oscilloscopes	\$6 +	\$0.09 /hr
9112 - LeCroy 8500A Wavemaster Oscilloscope	\$6 +	\$0.78 /hr
9120 - Agilent 35670A 102kHz Dynamic Signal Analyzer	\$6 +	\$0.62 /hr
9121 - Agilent E5061A 1.5GHz Network Analyzer	\$6 +	\$0.21 /hr
9122 - Hewlett Packard 8753D 6GHz Network Analyzer	\$6 +	\$0.67 /hr
9123 - Agilent 8722ES Network Analyzer	\$6 +	\$0.78 /hr
9131 - Agilent E4408B 26.5GHz Spectrum Analyzer	\$6 +	\$0.78 /hr
9133 - Agilent 8563E Spectrum Analyzer	\$6 +	\$0.17 /hr
9141-9144 - FW Bell Hall Probes	\$6 +	\$0.07 /hr
9152 - Extech IRC40 Thermal imager	\$6 +	\$0.07 /hr
9164-9167 Keithley Sourcemeters	\$6 +	\$0.19 /hr
9168-9169 Keithley Sourcemeters	\$6 +	\$0.19 /hr
9170-Andeen-Hagerling-2700A-Multi-frequency-Capacitance/Loss-Bridge	\$6 +	\$0.78 /hr
9171-Agilent-4284A-Precision-LCR-Meter	\$6 +	\$0.53 /hr
9180-9186 - National-Instruments USB-GPIB adaptors	\$6 +	\$0.03 /hr