

**Holonyak Lab Rates and Charges**

<b>Fee Type</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
Cleanroom Facilities Access Fee	\$20/hour	\$30/hour	\$75/hour
BioNanotechnology Facilities Access Fee	\$18/day	\$30/day	\$30/day
Characterization Lab Access Fee	\$10/day	\$10/day	\$10/day
Safety & Training Fee	\$110 one-time fee per keycard		
HMNTL Building Access Fee	\$35 per month per keycard issued		

**HMNTL Cleanroom Equipment with Supplemental Charges**

Note: although many commonly used chemicals and supplies are available in the cleanrooms, users will be required to supply certain materials such as precious metals used for depositions, resists and developers, and special chemicals used in non-standard processes.

\* The hourly cleanroom fee (see above) will also apply to staff-operated hourly charges for the E-Beam, SEM, and MOCVD.

\*\* Other Academic Institutions and Industry will also pay an additional rate of 31.7% for Facilities & Administration.

<b>Elionix Electron-Beam Lithography System</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated E-beam Write-time Charge	\$90/hour	\$90/hour**	\$130/hour**
Staff-operated E-Beam Write-time Charge*	\$90/hour	\$90/hour**	\$180/hour**

<b>Hitachi S4800 Scanning Electron Microscope (SEM)</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$20/hour	\$20/hour**	\$50/hour**
Staff-operated*	\$40/hour	\$40/hour**	\$100/hour**
<b>AIXTRON MOCVD</b>	<b>University <i>Internal</i></b>		
User-operated	\$32/hour		
Staff-operated*	\$64/hour		
<b>Atomic Force Microscope (AFM)</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$10.50/hour	\$10.50/hour**	\$37.85/hour**
Staff-operated*	\$57.00/hour	\$57.00/hour**	\$57.00/hour**
<b>Oxford PECVD</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$16/hour	\$16/hour	\$16/hour
<b>Oxford Freon RIE</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$16/hour	\$16/hour	\$16/hour
<b>Oxford Freon ICP RIE</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$16/hour	\$16/hour	\$16/hour

<b>Oxford Mixed ICP RIE</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$16/hour	\$16/hour	\$16/hour

  

<b>Oxford Chlorine ICP RIE</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
User-operated	\$16/hour	\$16/hour	\$16/hour

**HMNTL Biolab Equipment with Supplemental Charges**

\* The daily biolab fee (see above) will also apply to researchers using the equipment outlined below.

\*\* Other Academic Institutions and Industry will also pay an additional rate of 31.7% for Facilities & Administration.

<b>Equipment</b>	<b>University <i>Internal</i></b>	<b>Other Academic Institutions</b>	<b>Industry</b>
Digital PCR	\$7.41 per sample	\$7.41 per sample	\$12.35 per sample