

# MNTL Rates and Charges

|  | University<br><i>Internal</i>   | University<br><i>External</i> | Industry  |
|--|---|-------------------------------|-----------|
| <b>Cleanroom Facilities Access Fee</b>         | \$17/hour   | \$30/hour                     | \$75/hour |
| <b>BioNanotechnology Facilities Access Fee</b> | \$14/day  | \$25/day                      | \$25/day  |
| <b>Safety &amp; Training Fee</b>               | \$200 one-time fee per keycard<br>\$100 for short-term access (up to 90 days) |                               |           |
| <b>MNTL Building Access Fee</b>                | \$35 per month per keycard issued   |                               |           |

## MNTL 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.*

### JEOL Electron-Beam Lithography System

|   |               |               |                |
|---|---------------|---------------|----------------|
| User-operated E-beam Write-time Charge  | \$65/hour     | \$65/hour     | \$130/hour     |
| Staff-operated E-Beam Write-time Charge | \$90/hour     | \$90/hour     | \$180/hour     |
| Dose Characterization Charge            | \$90 one-time | \$90 one-time | \$180 one-time |

### STS Inductively Coupled Plasma Reactive Ion Etching System (Silicon Bosch Process)

|                |            |            |            |
|----------------|------------|------------|------------|
| User-Operated  | \$50/hour  | \$50/hour  | \$150/hour |
| Staff-Operated | \$100/hour | \$100/hour | \$300/hour |

### Hitachi S4800 Field Emission Scanning Electron Microscope

|                |           |           |            |
|----------------|-----------|-----------|------------|
| User-Operated  | \$20/hour | \$20/hour | \$50/hour  |
| Staff-Operated | \$40/hour | \$40/hour | \$100/hour |