## FY16 SNF Cleanroom Rates

**Effective Sept. 1, 2015**

### Changes from FY15:
- The 3.5% annual increase was applied to FY15 rates.
- The University Facilities & Administration (F&A) overhead rate remains at 8% for non-Stanford academic use. The University overhead rate for all other external use and for organized research at Stanford for FY16 is 58% (see [https://doresearch.stanford.edu/research-administration/proposal-preparation-submission/rates](https://doresearch.stanford.edu/research-administration/proposal-preparation-submission/rates)). Overhead is applied by the University to fees reported on Badger, so there may be minor overhead differences shown above due to round-off.
- Precious metals are charged per gram, and based on the spot market price, averaged over this calendar year and rounded up to the nearest $1: Gold-$39; Iridium-$19; Palladium-$24; Platinum-$36. Precious metal use will appear as equipment charges for metallization tools.

### Equipment Rates:

#### No-Charge Tools:
- Analytical tools: all optical microscopes, IR microscope, stylus profilometers (p2 and alphastept 500), ellipsometer (Rudolph EL4 only), nanospecs 1/2, surfscan4500, micromanipulator6000
- Ovens: 90C post-spin bake, 110C pre bake, 150C singe, and white-oven
- Solvent benches: lithosolv, solvhood, wwebres, wbmiscres, wbsolvent (except hot plate & sonicator)
- Miscellaneous: mask cleaner, microdrill press, CNC Micromill, thermolyne furnace, uvcure

#### Reduced Rate Tools:
"Simple" tools which are charged at 2/3 of the Base Rate.
- Wet benches: WBClean1-2, WBFlexCorr1-3, wbgen2, wbnitride, wbnonmetal, wbsolvent (except hot plate & sonicator.)
- Analytical tools: prometrix, stresstest
- Litho tools: bluem oven, headway2 spinner, YES oven

#### Premium Rate Tools:
Epi2 and ASML.

### Non-Capped Tool:
The Raith ebeam writer is currently charged at the Base Rate, but its use is excluded from the Cap calculation. This makes the Raith consistent with the rate structure for the NovaSEM and JEOL ebeam writers in SNSF.

### Activity Description

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<tr>
<th>Activity</th>
<th>Description</th>
<th>Category</th>
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| **Equipment Rates** | **Base Rate**  
$/hour below cap | Stanford/SLAC | Other Academic* | Industry/Govt* | Industry: SBIR* |
| | $83.16 | $83.16 | $166.31 | $133.06 |
| | **Reduced Tool Rate**  
$/hour below cap | | | | |
| | $55.43 | $55.43 | $110.87 | $88.70 |
| | **Premium Tool Rate**  
$/hour below cap | | | | |
| | $102.00 | $102.00 | $204.01 | $163.20 |
| | **Monthly Cap**  
(40 hours@Base Rate) | | | | |
| | $3,326 | $3,326 | $6,653 | $5,322 |
| | **Notched Cap**  
(>160 hours) | | 25% of hourly rates | | |
| **Staff Support** | **Training Recharge**  
$/hour | | | | |
| | $98.76 | $98.76 | $98.76 | $98.76 |
| | **Staff Support**  
$/hour | | | | |
| | $66.00 | $66.00 | $66.00 | $66.00 |
| **Other** | **Stockroom Items** | Stockroom price list sheets | | | |

*Additional Overhead/F&A charges will be applied on billing: 58% for non-Academic; 8% for non-Stanford Academic.*

Updated 09/3/15