## Charles W. Gehrke Proteomics Center
### Mass Spectrometry Fee Schedule

Rates are for MU users. For off-campus rates please contact Brian at 573-884-7374.

<table>
<thead>
<tr>
<th>In-Gel Trypsin Digestion</th>
<th>2D spots</th>
<th>1 to 10</th>
<th>$102</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&gt;10</td>
<td>$72</td>
<td></td>
</tr>
<tr>
<td>1D bands</td>
<td>1 to 10</td>
<td>$109</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;10</td>
<td>$77</td>
<td></td>
</tr>
<tr>
<td>silver</td>
<td>96-well plate</td>
<td>$1,530</td>
<td></td>
</tr>
<tr>
<td></td>
<td>band or spots</td>
<td>1 to 10</td>
<td>$106</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt;10</td>
<td>$74</td>
</tr>
</tbody>
</table>

| In-SolutionDigests + ZIP tip (C18 peptide purification) | (1 to 10) | $88  |
|                                                        | (>10)     | $43  |

### LTQ Orbitrap LC-MS+MSMS

- Reversed phase separation of protein digests, data acquisition, and database search (samples 1 through 5) | $90 |
- (samples 6 through 15) | $63 |
- (samples 16 through 50) | $44 |
- (samples 51 through 100) | $31 |
- (samples >100) | $22 |

### Agilent 6520 Intact Mass analysis of proteins

- C8 reversed phase separation of protein solutions, deconvolution of data yielding intact mass (samples 1 through 5) | $73 |
- (samples 6 through 15) | $51 |

### Agilent 6520 nanospray - direct infusion (no LC; for purified samples only)

- Prepare fused silica tip, acquire and analyse data (samples 1 through 50) | $43 |

### LTQ Orbitrap Accurate/Exact mass MS and MSMS (pure compounds)

- ESI direct infusion MS per sample | $43 |
- ESI direct infusion MSMS expedited (<3d) 1 to 5 ONLY | $129 (each) |
- ESI direct infusion MSMS 1st compound peak | $43 |
- ESI direct infusion MSMS subsequent peaks (same sample) | $9 |
- Data analysis (MSMS spectra interpretation etc) per hour | $56 |

### Bruker timsTOF-PRO High Proteome Coverage LCMS+MSMS

- Reversed phase separation of protein digests, data acquisition using the PASEF method, and database search. NB: Typical run time = 100min (per hour, 2h min = ~1 sample) | $92 |
- (per day, ~15 samples) | $736 |
- (per week, ~100 samples) | $3,680 |

- Quantitative Data analysis per hour | $56 |
- CLIENT use of in-house PEAKS software for results analysis per hour | $5 |

### Targeted Protein Quantitation using LC-MRM (multiple reaction monitoring)

- Method development (generate peptide list unique to protein of interest, check signal using recombinant protein or 1-2 samples, method refinement) per hour | $26 |
- LC-MRM (using optimized methods) per hour ~2 samples | $52 |
- per day ~48 samples | $416 |
- per week ~330 samples | $2,080 |