### Jan 2021 LC-MS/MS Short Course Schedule:

**ALL TIMES ARE PACIFIC TIME (LOS ANGELES)**

#### DAY 1 Saturday Jan 30:

<table>
<thead>
<tr>
<th>Session ID</th>
<th>Type</th>
<th>Time (PACIFIC TIME)</th>
<th>Instructor?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Class Networking</td>
<td>Mingling &amp; intros</td>
<td>7:45-8am</td>
<td>All</td>
</tr>
<tr>
<td>Session 1: Intro to LC-MS/MS</td>
<td>Short lecture 20 minutes</td>
<td>8-8:20 am</td>
<td>Deb</td>
</tr>
<tr>
<td>Q&amp;A on Intro sessions</td>
<td>Q&amp;A</td>
<td>8:20-8:40 am</td>
<td>All</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 2: Basics LC</td>
<td>Lecture 40 minutes</td>
<td>8:50-9:30am</td>
<td>Grace</td>
</tr>
<tr>
<td>Breakout Session 1: Troubleshooting Cases</td>
<td>Breakout rooms 30 minutes</td>
<td>9:30-10am</td>
<td>All</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A up to 20 minutes</td>
<td>10-10:20am</td>
<td>All</td>
</tr>
<tr>
<td><strong>Mid-day break 40 min</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 3: Basics MS/MS</td>
<td>Lecture 40 minutes</td>
<td>11-11:40 am</td>
<td>Deb</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 10 minutes</td>
<td>11:40-11:50am</td>
<td>All</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 4: Selecting Installing first LC-MSMS</td>
<td>Lecture 45 mins</td>
<td>12-12:45pm</td>
<td>Lori</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 15 minutes</td>
<td>12:45-1pm</td>
<td>All</td>
</tr>
<tr>
<td><strong>Mid-day break 40 min</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre Class Networking</td>
<td>Mingling</td>
<td>7:45-8am</td>
<td>All</td>
</tr>
<tr>
<td>Session 5: Reagents and Internal Standards</td>
<td>Lecture 50 minutes</td>
<td>8-8:50am</td>
<td>Deb</td>
</tr>
<tr>
<td>Breakout Session 2: Troubleshooting Cases</td>
<td>Breakout rooms 30 minutes</td>
<td>8:50-9:20am</td>
<td>All</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 6: Sample Prep 1</td>
<td>Lecture 50 mins</td>
<td>9:30-10:20am</td>
<td>Deb</td>
</tr>
<tr>
<td>Breakout Session 3: Matrix Effects problem set</td>
<td>Breakout rooms 30 minutes</td>
<td>10:20-10:50am</td>
<td>All</td>
</tr>
<tr>
<td><strong>Mid-day break 40 min</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 7: Sample Prep 2</td>
<td>Lecture 45 mins</td>
<td>11:30am-12:15pm</td>
<td>Grace</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 15 minutes</td>
<td>12:15-12:30 pm</td>
<td>All</td>
</tr>
<tr>
<td><strong>15 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 8: Quantitative Data Analysis</td>
<td>Lecture 20 minutes</td>
<td>12:40-1 pm</td>
<td>Deb</td>
</tr>
<tr>
<td>Batch quantitation demo</td>
<td>Demo 30 minutes</td>
<td>1-1:30pm</td>
<td>Grace</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End of day Q&amp;A/Happy Hour (optional)</td>
<td>Q&amp;A</td>
<td>1:40-2:10pm</td>
<td>All</td>
</tr>
</tbody>
</table>

End of Day 1

#### DAY 2 Sunday Jan 31:

<table>
<thead>
<tr>
<th>Session ID</th>
<th>Type</th>
<th>Time (PACIFIC TIME)</th>
<th>Instructor?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Class Networking</td>
<td>Mingling</td>
<td>7:45-8am</td>
<td>All</td>
</tr>
<tr>
<td>Session 5: Reagents and Internal Standards</td>
<td>Lecture 50 minutes</td>
<td>8-8:50am</td>
<td>Deb</td>
</tr>
<tr>
<td>Breakout Session 2: Troubleshooting Cases</td>
<td>Breakout rooms 30 minutes</td>
<td>8:50-9:20am</td>
<td>All</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 6: Sample Prep 1</td>
<td>Lecture 50 mins</td>
<td>9:30-10:20am</td>
<td>Deb</td>
</tr>
<tr>
<td>Breakout Session 3: Matrix Effects problem set</td>
<td>Breakout rooms 30 minutes</td>
<td>10:20-10:50am</td>
<td>All</td>
</tr>
<tr>
<td><strong>Mid-day break 40 min</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 7: Sample Prep 2</td>
<td>Lecture 45 mins</td>
<td>11:30am-12:15pm</td>
<td>Grace</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 15 minutes</td>
<td>12:15-12:30 pm</td>
<td>All</td>
</tr>
<tr>
<td><strong>15 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 8: Quantitative Data Analysis</td>
<td>Lecture 20 minutes</td>
<td>12:40-1 pm</td>
<td>Deb</td>
</tr>
<tr>
<td>Batch quantitation demo</td>
<td>Demo 30 minutes</td>
<td>1-1:30pm</td>
<td>Grace</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End of day Q&amp;A/Happy Hour (optional)</td>
<td>Q&amp;A</td>
<td>1:40-2:10pm</td>
<td>All</td>
</tr>
</tbody>
</table>

End of Day 2
<table>
<thead>
<tr>
<th>DAY 3 Monday Feb 1: Session ID</th>
<th>Type</th>
<th>Time (PACIFIC)</th>
<th>Instructor?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Class Networking</td>
<td>15 minutes</td>
<td>7:45-8am</td>
<td>All</td>
</tr>
<tr>
<td>Session 9: Development and Pre-Validation LC and MS</td>
<td>Lecture 50 mins</td>
<td>8-8:50am</td>
<td>Grace</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 10 minutes</td>
<td>8:50-9am</td>
<td>All</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 10: Development and Pre-validation Sample Prep</td>
<td>Lecture 50 minutes</td>
<td>9:10-10am</td>
<td>Grace</td>
</tr>
<tr>
<td>Breakout Session 4: Troubleshooting Cases</td>
<td>Breakout rooms 45 mins</td>
<td>10-10:45am</td>
<td>All</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 15 minutes</td>
<td>10:45-11am</td>
<td>All</td>
</tr>
<tr>
<td><strong>Mid-day break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 11: Validation 1</td>
<td>Lecture 30 minutes</td>
<td>12-12:30pm</td>
<td>Lori</td>
</tr>
<tr>
<td>Session 12: Validation 2</td>
<td>Lecture 30 minutes</td>
<td>12:30-1pm</td>
<td>Lori</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 13: Validation 3</td>
<td>Lecture 30 minutes</td>
<td>1:10-1:40pm</td>
<td>Lori</td>
</tr>
<tr>
<td>Session 14: QA in Production</td>
<td>Lecture 40 minutes</td>
<td>1:40-2:20pm</td>
<td>Lori</td>
</tr>
<tr>
<td>Validation Q&amp;A</td>
<td>Q&amp;A 30 minutes</td>
<td>2:20-2:50pm</td>
<td>All</td>
</tr>
<tr>
<td><strong>10 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>End of day Happy Hour (optional)</td>
<td>Happy Hour 30 minutes</td>
<td>3-3:30pm</td>
<td>All</td>
</tr>
<tr>
<td>End of Day 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DAY 4 Tuesday Feb 2: Session ID</th>
<th>Type</th>
<th>Time (PACIFIC TIME)</th>
<th>Instructor?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre Class Networking</td>
<td>15 minutes</td>
<td>7:45-8am</td>
<td>All</td>
</tr>
<tr>
<td>Session 15: Maintenance and TS-ing</td>
<td>Lecture 45 minutes</td>
<td>8-8:45am</td>
<td>Grace</td>
</tr>
<tr>
<td><strong>15 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breakout Session 5: Troubleshooting Cases</td>
<td>Breakout Rooms 1hr</td>
<td>9-10am</td>
<td>All</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 15 minutes</td>
<td>10-10:15am</td>
<td>All</td>
</tr>
<tr>
<td><strong>Mid day Break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session 16: Frontiers in Clin MS</td>
<td>Lecture 30 minutes</td>
<td>11-11:30am</td>
<td>Lori</td>
</tr>
<tr>
<td>Q&amp;A</td>
<td>Q&amp;A 15 minutes</td>
<td>11:30-11:45pm</td>
<td>All</td>
</tr>
<tr>
<td><strong>15 min break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Happy Hour</td>
<td>60 minutes</td>
<td>12-1 pm</td>
<td>All</td>
</tr>
<tr>
<td>End of Course!</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>