### Teachers' Workshop 2016

#### Friday December 2nd, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>9:00 - 9:30</td>
<td>Welcome Orientation</td>
<td>Anna-Maria Boechler, Education Coordinator</td>
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<tr>
<td>9:30 - 10:30</td>
<td>The Brightest Light in Canada</td>
<td>Dr. Robert Lamb, CEO of CLS</td>
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<tr>
<td>10:30 - 10:45</td>
<td>Break</td>
<td></td>
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<tr>
<td>10:45 - 12:00</td>
<td>Tour of Facility</td>
<td>Dr. Robert Blyth, Manager Science Projects &amp; Tracy Walker, Education Programs Lead</td>
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<tr>
<td>12:00 - 12:30</td>
<td>Lunch</td>
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<tr>
<td>12:30 - 1:30</td>
<td>Synchrotron Techniques - What Happens When Light Interacts With Matter?</td>
<td>Dr. Robert Blyth, Manager Science Projects</td>
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<tr>
<td>1:30 - 2:00</td>
<td>Students on the Beamlines: Process &amp; Projects</td>
<td>Education Team</td>
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<tr>
<td>2:00 - 2:45</td>
<td>BREAK</td>
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<tr>
<td>2:45 - 4:30</td>
<td>Students on the Beamlines: Roles, Challenges, &amp; Proposals</td>
<td>Education Team</td>
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<tr>
<td>5:00</td>
<td>PIZZA</td>
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<tr>
<td>5:30</td>
<td>Canada’s Brightest Light Shines on Farms</td>
<td>Dr. Chithra Karunakaran, Environmental &amp; Earth Sciences Manager</td>
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### Saturday December 3rd, 2016

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>8:30 - 9:30</td>
<td>Mercury Adventures in the Animal Kingdom</td>
<td>Dr. Gosia Korbas, Staff Scientist - BioXAS</td>
</tr>
<tr>
<td>9:30 - 10:55</td>
<td>REIXS Surface Science Facility: XPS and LEED</td>
<td>Crystals &amp; Diffraction: Biology Anyone?</td>
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<tr>
<td></td>
<td>Dr. Ronny Sutarto, Research Associate XPS</td>
<td>Dr. Shaun Labiuk, Research Associate - CMCF</td>
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<tr>
<td>10:55 - 11:30</td>
<td>Break</td>
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</tr>
<tr>
<td>11:10 - 12:30</td>
<td>REIXS Surface Science Facility: XPS and LEED</td>
<td>Crystals &amp; Diffraction: Biology Anyone?</td>
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<td>Dr. Ronny Sutarto, Research Associate XPS</td>
<td>Dr. Shaun Labiuk, Research Associate - CMCF</td>
</tr>
<tr>
<td>12:30 - 1:00</td>
<td>Lunch</td>
<td></td>
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<tr>
<td>1:00 - 2:30</td>
<td>Connecting Back to the Curriculum</td>
<td>Tracy &amp; Anna-Maria</td>
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<tr>
<td>2:30 - 2:45</td>
<td>BREAK</td>
<td></td>
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<tr>
<td>2:45 - 4:30</td>
<td>Properties of Light Exploited by Synchrotron Research &amp; Imaging</td>
<td>Dr. Dean Chapman, CLS Director of Science &amp; Canada Research Chair in Synchrotron Imaging, Usask</td>
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### Sunday December 4th, 2016

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:30 - 9:30</td>
<td>What can you learn from Mid-Infrared Light?</td>
<td>Dr. Scott Rosendahl, Staff Scientist - Mid IR</td>
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<tr>
<td>9:30 - 10:55</td>
<td>IDEAS: Discovering X-Ray Spectra</td>
<td>Mid IR in action</td>
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<td>Dr. David Muir, Staff Scientist - IDEAS &amp; Tracy Walker, Education Programs Lead</td>
<td>Burgess Research Group beamtime – Tyler Morhart</td>
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<td>10:55 - 11:30</td>
<td>Break</td>
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<td>11:10 - 12:30</td>
<td>IDEAS: Discovering X-Ray Spectra</td>
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</tr>
<tr>
<td>12:30 - 1:00</td>
<td>Lunch</td>
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<tr>
<td>1:00 - 2:30</td>
<td>Stories Wrapped in the Rings</td>
<td>Dr. Colin Laroque, Professor at USask and CLS User</td>
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<tr>
<td>2:30 - 2:45</td>
<td>BREAK</td>
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<tr>
<td>2:45 - 3:30</td>
<td>Closing - What Can You Take Away</td>
<td>Tracy Walker, Education Programs Lead &amp; Anna-Maria Boechler, Education Coordinator</td>
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