# AGENDA

**Sunday, June 24, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
</table>
| 8   | Check-in  
Graduate Hotel  
615 E Huron St, Ann Arbor, MI 48104 |
| 9   | Breakfast  
North Quad 2255 |
| 10  | A crash course in using cloud computing for cryo-EM image processing  
North Quad 2255 | M. Cianfrocco |
| 11  | Introduction to cryoSPARC  
North Quad 2255 | Z. Ripstein |
| 12  | Cryo-EM Image processing: cryoSPARC (class data set)  
North Quad 2255 | Z. Ripstein |
| 1   | Lunch  
North Quad 2255 |
| 2   | Cryo-EM Image processing: cryoSPARC (class data set)  
North Quad 2255 | Z. Ripstein |
| 3   | Introduction to cisTEM  
North Quad 2255 | A. Rohou |
| 4   | Cryo-EM Image processing: cisTEM (class data set)  
North Quad 2255 | A. Rohou |
| 5   | Dinner  
North Quad 2255 |
| 6   | Continue processing class data set using cryoSPARC and cisTEM  
North Quad 2255 | A. Rohou, Z. Ripstein, M. Cianfrocco, M. Ohi & IT Support |

**Monday, June 25, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
</table>
| 8   | Breakfast  
North Quad 2255 |
| 9   | A crash course in using cloud computing for cryo-EM image processing  
North Quad 2255 | M. Cianfrocco |
| 10  | Introduction to cryoSPARC  
North Quad 2255 | Z. Ripstein |
| 11  | Cryo-EM Image processing: cryoSPARC (class data set)  
North Quad 2255 | Z. Ripstein |
| 12  | Welcome & computer setup  
North Quad Room 2255 (All courses will take place here)  
105 S State St, Ann Arbor, MI 48109  
M. Cianfrocco, M. Ohi & IT Support |
| 1   | Break |
| 2   | Break |
| 3   | Break |
| 4   | Break |
| 5   | Break |
| 6   | Break |
| 7   | Break |
| 8   | Break |
| 9   | Break |
| 10  | Break |

**KEY**

- Administration  
- Lecture  
- Practical  
- Special  
- Break
# AGENDA

**Tuesday, June 26, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td><strong>Breakfast</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>9</td>
<td>Discuss results and questions from cryoSPARC and cisTEM analysis</td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>10</td>
<td><strong>Introduction to RELION</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>11</td>
<td><strong>Start processing class data set using RELION</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>12</td>
<td><strong>Lunch</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>1</td>
<td><strong>LSI cryo-EM facilities tour</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>2</td>
<td><strong>Structural insights into the phospholipid activation of mammalian TPC1 channel</strong></td>
<td>Forum Hall, Palmer Commons, 100 Washtenaw Ave</td>
</tr>
<tr>
<td>3</td>
<td><strong>Continue processing using RELION</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>4</td>
<td><strong>Dinner</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>5</td>
<td><strong>Continue processing class data set using cryoSPARC and cisTEM</strong></td>
<td>North Quad 2255</td>
</tr>
</tbody>
</table>

**Wednesday, June 27, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td><strong>Breakfast</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>9</td>
<td>Discuss results and questions from cisTEM and RELION analysis</td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>10</td>
<td><strong>Introduction to Rosetta with cryo-EM maps</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>11</td>
<td><strong>Hands on with Rosetta</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>12</td>
<td><strong>Group Photo</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>1</td>
<td><strong>Free Time/Social Activity</strong></td>
<td>Gallup Park 3300 Fuller Rd</td>
</tr>
<tr>
<td>2</td>
<td>Please join us for outdoor activities and ice cream at the Bernard Mass Shelter at Gallup Park.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Structural insights into the phospholipid activation of mammalian TPC1 channel</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Continue processing using RELION</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>5</td>
<td><strong>Dinner</strong></td>
<td>North Quad 2255</td>
</tr>
<tr>
<td>6</td>
<td><strong>Continue with Rosetta or processing using class or individual data sets</strong></td>
<td>North Quad 2255</td>
</tr>
</tbody>
</table>

**KEY**

- **Administration**
- **Lecture**
- **Practical**
- **Special**
- **Break**
AGENDA

Thursday, June 28, 2018

8:00 AM - 9:00 AM
- **Breakfast**
  - North Quad 2255

9:00 AM - 10:00 AM
- **Discuss results and questions from data analysis**
  - North Quad 2255

10:00 AM - 11:00 AM
- **Continue with Rosetta or processing using class or individual data sets**
  - North Quad 2255 | M. Cianfrocco, M. Ohi, F. Dimaio & Teaching assistants

11:00 AM - 12:00 PM
- **Lunch**
  - North Quad 2255

12:00 PM - 1:00 PM
- **Continue process data and building models**
  - North Quad 2255 | M. Cianfrocco, M. Ohi, F. Dimaio & Teaching assistants

1:00 PM - 2:00 PM
- **Model Validation: How do you know you have a real structure?**
  - North Quad 2255 | M. Cianfrocco & M. Ohi

2:00 PM - 3:00 PM
- **Fill out class evaluations**
  - North Quad 2255

3:00 PM - 4:00 PM
- **Course Banquet**
  - Rackham Building, Assembly Hall, Fourth Floor
  - 915 E. Washington St

Friday, June 29, 2018

8:00 AM - 9:00 AM
- **Check out & Departure**

9:00 AM - 10:00 AM
- **Lunch**
  - North Quad 2255

10:00 AM - 11:00 AM
- **Continue process data and building models**
  - North Quad 2255 | M. Cianfrocco, M. Ohi, F. Dimaio & Teaching assistants

11:00 AM - 12:00 PM
- **Model Validation: How do you know you have a real structure?**
  - North Quad 2255 | M. Cianfrocco & M. Ohi

12:00 PM - 1:00 PM
- **Fill out class evaluations**
  - North Quad 2255

1:00 PM - 2:00 PM
- **Course Banquet**
  - Rackham Building, Assembly Hall, Fourth Floor
  - 915 E. Washington St

KEY

- Administration
- Lecture
- Practical
- Special
- Break