

S²C² CryoEM CCP-EM Modeling Workshop Agenda

November 10-13, 2020

Zoom Participation only

Tuesday, November 10, 2020

| Start Time (PST) | End Time (PST) | Activity | Title | Speaker |
|------------------|----------------|-------------------|--|--------------|
| 8:00 AM | 8:10 AM | Introduction | Welcome | Wah Chiu |
| 8:10 AM | 8:55 AM | Lecture | Intro to workshop and CCP-EM | Colin Palmer |
| 8:55 AM | 9:40 AM | Lecture | Automated model building with Buccaneer & Nautilus | Kevin Cowtan |
| 9:40 AM | 10:00 AM | <i>Break</i> | | |
| 10:00 AM | 11:30 AM | Tutorial | Buccaneer | Kevin Cowtan |
| 11:30 AM | 11:45 AM | Q&A | | Kevin Cowtan |
| 11:45 AM | 12:45 PM | <i>Lunch</i> | | |
| 12:45 PM | 1:30 PM | Lecture | Cryo-EM model building with modern Coot | Paul Emsley |
| 1:30 PM | 2:00 PM | Tutorial | Coot (part 1) | Paul Emsley |
| 2:00 PM | | <i>End of Day</i> | | |

Wednesday, November 11, 2020

| Start Time (PST) | End Time (PST) | Activity | Title | Speaker |
|------------------|----------------|-------------------|--|--------------|
| 8:00 AM | 9:00 AM | Tutorial | Coot (part 2) | Paul Emsley |
| 9:00 AM | 9:15 AM | Q&A | | Paul Emsley |
| 9:15 AM | 9:45 AM | <i>Break</i> | | |
| 9:45 AM | 10:30 AM | Lecture | Flexible fitting of atomic models in density (Flex-EM) | Maya Topf |
| 10:30 AM | 11:30 AM | Tutorial | Flex-EM (part 1) | Maya Topf |
| 11:30 AM | 12:30 PM | <i>Lunch</i> | | |
| 12:30 PM | 1:00 PM | Tutorial | Flex-EM (part2) | Maya Topf |
| 1:00 PM | 1:15 PM | Q&A | | Maya Topf |
| 1:15 PM | 2:00 PM | Lecture | Finding secondary structure in cryo-EM Maps: HARUSPEX | Andrea Thorn |
| 2:00 PM | | <i>End of Day</i> | | |

Thursday, November 12, 2020*

| Start Time (PST) | End Time (PST) | Activity | Title | Speaker |
|------------------|----------------|-------------------|---|------------------|
| 8:00 AM | 8:45 AM | Lecture | Refinement against cryo-EM maps | Rob Nicholls |
| 8:45 AM | 9:30 AM | Tutorial | Refmac (part 1) | Rob Nicholls |
| 9:30 AM | 10:00 AM | <i>Break</i> | | |
| 10:00 AM | 10:45 AM | Tutorial | Refmac (part 2) | Rob Nicholls |
| 10:45 AM | 11:00 AM | Q&A | | Rob Nicholls |
| 11:00 AM | 11:45 AM | Lecture | PDB, EMDB & EMPIAR: Public archiving of cryo-EM data | Ardan Patwardhan |
| 11:45 AM | 12:45 AM | <i>Lunch</i> | | |
| 12:45 AM | 1:30 PM | Lecture | Map sharpening tools for cryo-EM density maps | Arjen Jakobi |
| 1:30 PM | 2:15 PM | Tutorial | LocScale | Arjen Jakobi |
| 2:15 PM | 2:30 PM | Q&A | | Arjen Jakobi |
| 2:30 PM | | <i>End of Day</i> | *note: later finish time | |

Friday, November 13, 2020

| Start Time (PST) | End Time (PST) | Activity | Title | Speaker |
|------------------|----------------|--------------------------|---------------------------------------|-------------------------|
| 8:00 AM | 8:45 AM | Lecture | Validation of cryo-EM maps and models | Agnel Joseph |
| 8:45 AM | 9:15 AM | Lecture | Model validation (part 1) | Agnel Joseph |
| 9:15 AM | 9:45 AM | <i>Break</i> | | |
| 9:45 AM | 10:15 AM | Tutorial | Model validation (part 2) | Agnel Joseph |
| 10:15 AM | 11:15 AM | Q&A | General Q&A with all available tutors | Agnel Joseph and others |
| 11:15 AM | | <i>Close of Workshop</i> | | |

