

S2C2 CryoEM Modeling Challenge Workshop Agenda

Day 1: Wednesday, July 10, 2019

Time	Title	Speaker
Map and Structure Visualization, Segmentation, Modeling Fitting		
9:00 AM	ChimeraX - Visualization of CryoEM maps and models	Tom Ferrin and Tom Goddard
10:15 AM	Break	
10:45 AM	ChimeraX - Visualization of CryoEM maps and models	Tom Ferrin and Tom Goddard
12:00 PM	Lunch	
1:15 PM	ChimeraX - Visualization of CryoEM maps and models	Tom Ferrin and Tom Goddard
2:00 PM	Rigid Body and Flexible Fitting	Greg Pintilie
3:00 PM	Break	
3:15 PM	Hands on VR to visualize CryoEM structures*	Michael Schmid

*Sign-up sheet will be available in Redwood Lobby for the 3:15 Hands on VR to visualize CryoEM structures with Michael Schmid

Day 2: Thursday, July 11, 2019

Time	Title	Speaker
Modeling With Phenix		
9:00 AM	Phenix Introduction	Paul Adams
9:30 AM	Automated Model Docking and Building	Paul Adams
10:30 AM	Break	
11:00 AM	Structure Refinement	Pavel Afonine
12:00 PM	Validation and Refinement	Dorothee Liebschner
12:30 PM	Lunch	
1:30 PM	Introduction to Phenix cryo-EM Tools Practical	Paul Adams
2:00 PM	Automated Model Building Practical	Paul Adams
3:00 PM	Break	
3:30 PM	Structure Refinement Practical	Paval Afonine
4:30 PM	Validation and Refinement Practical	Dorothee Liebschner

Day 3: Friday, July 12, 2019

Time	Title	Speaker
Structure Annotation, Validation and Drug Design		
9:00 AM	Accurate Representation of cryoEM Structures	Corey Hryc
10:15 AM	Assessment of High Resolution CryoEM Features	Greg Pintilie
11:00 AM	CryoEM Structure Ligand Modeling	Mike Robertson
12:00 PM	Lunch - Provided by ThermoFisher	
1:30 PM	CryoEM Structural Validation	Cathy Lawson
2:00 PM	Practical with Apoferritin or other Molecules	