

Agenda Friday October 6: Map Challenge			version:	10/4/17
Breakfast	Trinity Lobby		7:30	
Wah Chiu, Cathy Lawson		Welcome and Challenge Overview	8:30	9:00
Challenger Presentations				
		Moderators: Peter Rosenthal, Jose Maria Carazo		
James Chen	Oregon Health and Science University	Single Particle Construction using the Particle Package	9:00	9:20
Bernard Heymann	National Institutes of Health	Single particle Reconstruction and Validation using Bsoft	9:20	9:40
ArDean Leith	Wadsworth Labs	Reconstructing with Legacy Software (SPIDER)	9:40	10:00
Steven Ludtke	Baylor College of Medicine	Map Filtration and Two Years of CryoEM Evolution	10:00	10:20
Break			10:30	11:00
James Bell	Baylor College of Medicine	Observations / Software Development from Challenge Data Processing	11:00	11:15
Laurene Donati	École Polytechnique Fédérale de Lausanne	Fast Iterative 3D Reconstruction for Single Particle Analysis	11:15	11:30
Cornelius Gati	Stanford University	On the Apoferritin Story	11:30	11:45
Scott Stagg	Florida State University	Refining Apoferritin with the Standard Appion Pipeline	11:45	12:00
Kailu Yang/Junjie Zhang	Texas A & M University	Objectively Discard Inaccuracies in cryoEM Data Analysis	12:00	12:15
Guimei Yu	Purdue University	Cryo-EM Map Challenge: 20S Proteasome and GroEL	12:15	12:30
Group Photo	Building main entrance front steps		12:30	
Lunch	Trinity Lobby		12:35	13:30
Assessor Presentations				
		Moderator: Wen Jiang		
Jose Maria Carazo/Roberto Marabini	Spanish National Center for Biotechnology	Statistical Analysis of the Map Challenge using Pair Comparison	13:30	14:00
Bernard Heymann	National Institutes of Health	Fair Comparison of Single Particle cryoEM Reconstructions	14:00	14:30
Joshua Mendez	Florida State University	Quality of Reconstruction Assessed by Atomic Model Building	14:30	15:00
Break			15:00	15:30
Ardan Patwardhan/Maya Holmdahl	European Bioinformatics Institute	FSC and Map Density Analysis of Challenge Submissions	15:30	16:00
Grigore Pintilie/Wah Chiu	Baylor College of Medicine	CryoEM Map-Model Assessment using SSE & Side Chain Z-Scores	16:00	16:30
Panel Discussion				
		Moderator: Bridget Carragher	16:30	17:30
Dinner	Redwood Rooms		18:00	

Agenda Saturday October 7: Model Challenge				
Breakfast	Trinity Lobby		7:30	
Wah Chiu, Cathy Lawson		Welcome and Challenge Overview	8:30	9:00
Assessor Presentations		Moderator: Helen Berman		
Andriy Kryshchak	UC Davis	The Model Comparison Pipeline	9:00	9:30
Jane Richardson	Duke University	Cis-nonPro, Ribose Puckers, and Insights from Individual Models	9:30	10:00
Break			10:00	10:30
Tom Terwilliger	Los Alamos National Laboratory	Evaluation of Ab-initio Models	10:30	11:00
Ben Barad/James Fraser	UC San Francisco	Model assessment using EMRinger	11:00	11:30
Assessor Panel		Moderator: Paul Adams	11:30	12:00
Lunch	Redwood Rooms		12:00	13:00
Challenger Presentations		Moderator: Ken Downing		
Pavel Afonine/Phenix Team	Lawrence Berkeley National Laboratory	Phenix tools for structure solution using cryo-EM	13:00	13:20
Sagar Chittori/Doreen Matthies	National Institutes of Health	Crystallographic Tools for Building Atomic Models in CryoEM Maps	13:20	13:40
Brandon Frenz/Frank DiMaio	University of Washington	Rosetta's Fully Automatic Pipeline For De Novo Modeling	13:40	14:00
Alexandre Hoffmann/Sergei Grudinin	Laboratoire Jean Kuntzmann	On FFT-Accelerated Flexible Exhaustive Search for CryoEM Fitting	14:00	14:20
Corey Hryc/Wah Chiu	Baylor College of Medicine	Optimization and Validation of Near-Atomic Resolution Structures	14:20	14:40
Takeshi Kawabata/Haruki Nakamura	Osaka University	Helix Detection and Subunit Fitting Using Gaussian Mixture Model	14:40	15:00
Break			15:00	15:30
Daisuke Kihara/Genki Terashi	Purdue University	De novo Main-Chain Modeling for EM Maps Using MAINMAST	15:30	15:50
Abhishek Singharoy/Emad Tajkhorshid	University of Illinois Urbana-Champaign	MD-Based Refinement and Validation at Sub-5 Å Resolution	15:50	16:10
Hong Zhou/Kevin Wang/Iris Yu	UCLA	Model Challenge / UCLA Zhou Title TBA	16:10	16:30
Matt Baker	Baylor College of Medicine	Model Challenge / BCM Baker Title TBA	16:30	16:50
Challenger Panel		Moderator: Paul Adams	16:50	17:30
Dinner	Redwood Rooms		18:00	

Agenda Sunday October 8: Wrap Up				
Breakfast	Trinity Lobby		7:30	
Wrap Up Discussion				
Bridget Carragher	New York Structural Biology Center	Map Challenge	8:30	9:15
Paul Adams	Lawrence Berkeley Laboratory	Model Challenge	9:15	10:00
Break			10:00	10:15
Wah Chiu	Stanford University	Next Steps	10:15	noon
Box Lunch, Departures	Trinity Lobby		noon	