MODELING OF CRYOEM MAP WORKSHOP AGENDA

January 14 – 17, 2010

Thursday, Day 1 (January 14, 2010)

8:30 am – 9:00 am	*Registration, set-up and breakfast*
9:00 am – 10:30 am	Matthew Baker (Baylor College of Medicine) and Tao Ju (Washington U, St Louis): SSEHunter and *de novo* modeling from cryo-EM maps
10:30 am -11:00 am	Break
11:00 am – 12:15 pm	Frank DiMaio and David Baker (U of Washington, Seattle): Model refinement of cryo-EM maps using Rosetta
12:15 pm – 1:45 pm	Lunch
1:45 pm – 3:15 pm	Matthew Baker and Tao Ju: Gorgon
3:15 pm – 3:45 pm	Break
3:45 pm – 5:45 pm	Frank DiMaio: Rosetta
6:00 pm	Dinner - BBQ at the conference site
7:30 pm – 8:30 pm	Helen Berman: General discussion on model deposition to Protein Data Bank or EBI

Friday, Day 2 (January 15, 2010)

9:00 am – 11:45 am	Klaus Schulten (U of Illinois): Molecular dynamics based modeling of cryo-EM maps *(lunch will be served prior to Ada Yonath's lecture)*
12:00 noon	Ada Yonath: Lecture on "The Amazing Ribosome" Rockwell Pavilion, MD Anderson Library (lunch will be served)
1:30 pm – 5:30 pm	Klaus Schulten: Molecular dynamics modeling
6:00 pm – 8:30 pm	Dinner at the University of Houston Alumni Center

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Saturday, Day 3 (January 16, 2010)

9:00 am – 10:15 am	Andrej Sali (UCSF): Protein assembly modeling guided by cryoEM maps: homology, flexibility and architecture
10:15 am – 10:45 am	Break
10:45 am – 12:00 pm	Gunnar Schroeder (Forschungszentrum Juelich) and Michael Levitt (Stanford U): Model refinement with low resolution density maps
12: 00 pm – 1:30pm	Lunch
1:30 pm – 3:15 pm	Ben Webb and Keren Lasker: IMP and Modeller: MultiFit and FlexEM
3:15 pm – 3:45 pm	Break
3:45 pm – 5:30 pm	Gunnar Schroeder and Michael Levitt: Modeling
7:00 pm	Workshop Banquet at Treviso's, 6550 Bertner St., Houston, TX 77030

Sunday, Day 4 (January 17, 2010)

9:00 am – 10: 00 am	Cathy Lawson and Helen Berman (Rutgers U): Model deposition
10:00 am – 11:00 am	Other presentations
11:00 am – 5:00 pm	Instructors and Participants: Independent projects