

Opportunities in Biology at the Extreme Scale of Computing

AGENDA

August 17-19, 2009

Hotel: Sheraton Chicago Hotel and Towers

Sunday, August 16, 2009

Time	Session	Lead	Room
6:00 pm	Pre-Workshop Meeting for Organizers, B/O Co-Leads, & Plenary Session Speakers	Mark Ellisman/Rick Stevens	Missouri Room

Monday, August 17, 2009

Time	Session	Lead	Room
7:30-8:00 am	Registration/Morning refreshments		Superior A & B
8:00-8:30 am	Opening remarks from Organizers (Mark Ellisman/Rick Stevens), BER (David Thomassen), ASCR (Michael Strayer)		Superior A & B

Plenary Talks

			Room
8:30-9:00 am		David Galas	Superior A & B
9:00-9:30 am	Opportunities in Large-Scale Computation for Biology	Anne Trefethen	Superior A & B
9:30-10:00 am	Break		Superior A & B
10:00-10:30 am	Image-Based Biological Modeling, Simulation, and Visualization	Chris Johnson	Superior A & B
10:30-11:00 am	Future Directions in Computing Environments	Rick Stevens	Superior A & B
11:00-11:30 am	Workshop Kick-off and Instructions	Mark Ellisman/Rick Stevens	Superior A & B

Time	Session	Lead	Room
11:30 am-3:30 pm	Breakout Sessions (All sessions run in parallel)		
	Tissues, Organelles, and Physiology Modeling	John George George Karniakadis	Parlor F
	Pathways, Cells, and Organelles	Adam Arkin David Galas	Parlor E
	Macromolecular Proteins and Protein Complexes	Mike Colvin Tamar Schlick	Parlor A
	From Genomics and Populations to Ecosystems and Evolutionary Dynamics	Ed Delong Gary Olsen	Superior A & B
	Imaging and Computing in the Loop	Chris Johnson Nagiza Sematova	Coat Room
11:30 am	Working Lunch		In Breakouts

3:30 pm	Break	In Breakouts
4:00-5:00 pm	Continue Breakout Sessions (return to breakout rooms)	
5:00-5:30 pm	Organizers and B/O Leads meetings	Superior A & B
5:00-6:00 pm	No-host Bar	Mayfair Room

Tuesday, August 18, 2009

Time	Session	Lead	Room
8:00 am -5:00 pm	Breakout Sessions (All sessions run in parallel)		
	Tissues, Organelles, and Physiology Modeling	John George George Karniakadis	Parlor F
	Pathways, Cells, and Organelles	Adam Arkin David Galas	Parlor E
	Macromolecular Proteins and Protein Complexes	Mike Colvin Tamar Schlick	Parlor A
	From Genomics and Populations to Ecosystems and Evolutionary Dynamics	Ed Delong Gary Olsen	Superior A & B
	Imaging and Computing in the Loop	Chris Johnson Nagiza Sematova	Coat Room
10:00-10:30 am	Break		In Breakouts
12:00 pm	Working Lunch		In Breakouts
3:00-4:00 pm	Break		In Breakouts
5:00 pm	Dinner on your own		
5:00-5:30 pm	Meet with co-chairs for summary of Days 1 and 2		Superior A & B

Wednesday, August 19, 2009

Time	Session	Lead	Room
8:00-8:30 am	Report Out: Tissues, Organelles, and Physiology Modeling		Superior A & B
8:30-9:00 am	Report Out: Pathways, Cells and Organelles		Superior A & B
9:00-9:30 am	Report Out: Macromolecular Proteins and Protein Complexes		Superior A & B
9:30-10:00 am	Break		Superior A & B
10:00-10:30 am	Report Out: From Genomics and Populations to Ecosystems and Evolutionary Dynamics		Superior A & B
10:30-11:00 am	Report Out: Imaging and Computing in the Loop		Superior A & B
11:00-12:00 pm	Closing remarks and adjournment		Superior A & B