

**Skills for Success Workshop**  
**Location: NIMBioS Facility**

**PROGRAM**

**Monday, August 3, 2009**

**Summer School in Biophysics Workshop**

UT Conference Center, 600 Henley Street, Knoxville, TN 37902

7:30 - 9:00 AM	Breakfast
9:00 - 9:10 AM	Welcome Address - <b>Dean Myles/Cynthia Peterson</b>
9:10-10:30 AM	Key Note Talk - <b>Gregory Petsko, "Computational and Experimental Challenges in Translating Biophysical Information Into Therapeutics"</b>
10:30-10:45 AM	Coffee Break
10:45-11:35 AM	<b>Robert Hettich, "An integrated experimental/bioinformatic approach for characterizing the molecular activities of the human gut microbiome"</b>
11:35-12:25 PM	<b>Barry Bruce, "Funneling Photons: Two Parts Biology &amp; One Part Material Science"</b>
12:25-1:30 PM	Lunch
1:30-2:40 PM	Key Note Talk - Hashim Al Hashimi, "How Making Movies of Biology at the Atomic Scale can Help Cure Disease."
2:40-3:00 PM	Coffee Break
3:00-4:00 PM	<b>Dean Myles, "Neutrons, Protons and Proteins: Hydrogen Atoms in Biological Function"</b>
4:00-5:00 PM	<b>Ronald Sagdeev - "Chaos versus order in Nature: the Entropy Consideration"</b>
<b>5:00 - 7:00 PM</b>	<b>Thoughts on PEER &amp; Skills for Success Workshop &amp; Dinner</b> <b>Speaker: Cynthia Peterson, Ethel Stanley</b> <b>Pre-Evaluation Survey</b>

**Tuesday, August 4, 2009**

7:30-9:00	Breakfast
9:00-10:20	Key Note Talk - <b>Edward Trifonov, "The Thrill of Linking Polymer Statistics and Sequence Space with Protein Structure and Function."</b>
10:20-10:40	Coffee break
10:40-11:30	<b>Cynthia Peterson, "Structural Studies on a Pair of Circulatory Proteins: Cofactors or 'Cats in a Bag'?"</b>
11:30-12:20	<b>Alexei Sokolov, "Keeping Them Alive: From Polymer Dynamics to Protein Preservation"</b>

12:30-1:45 PM	Lunch
1:45-3:00 PM	Introduction to Bioinformatics: Epidemiology of West Nile Virus
3:00-3:15PM	Afternoon Break
3:15-5:00 PM	Introduction to NCBI
<b>6:00-9:00 PM</b>	<b>Poster Session &amp; Dinner, Sunsphere</b>

### **Wednesday, August 5, 2009**

8:30-9:00 AM	Breakfast
9:00-10:00 AM	HIV Evolution: Markham Data
10:00-10:15 AM	Morning Break
10:15-12:30 AM	HIV Evolution Group Work
12:30-1:45 PM	Lunch
1:30-2:40	Key Note Talk - <b>Benoit Roux, "Theory, Simulations, and Modeling of Biomolecular Systems"</b>
2:40-3:00	Coffee Break
3:00-4:00	<b>Jeremy Smith, "Computer Simulation and Neutron Scattering in Biology"</b>
4:00-5:00	<b>Jack Dongarra, "Current Trends in High Performance Computing and Challenges for the Future"</b>

### **Thursday, August 6, 2009**

8:30-9:00 AM	Breakfast
9:00-10:00 AM	HIV Evolution
10:00-10:15 AM	Morning Break
10:15-12:30 AM	Tree Building
12:30-1:45 PM	Lunch
1:45-3:00 PM	Molecular Visualization
3:00-3:15PM	Afternoon Break
3:15-5:00 PM	Exploring Amylases
<b>Social Event</b>	<b>6:00-8:00 PM (Riverboat Cruise)</b>

### **Friday, August 7, 2009**

8:30-9:00 AM	Breakfast
9:00-10:00 AM	Bioinformatics Group Work Session
10:00-10:15 AM	Morning Break
10:15-12:30 AM	Bioinformatics Group Work Session

12:30-1:45 PM	Lunch
1:45-3:00 PM	Group Presentations
3:00-3:15PM	Afternoon Break
3:15-5:00 PM	Group Presentations

### **Monday, August 10, 2009**

8:30-9:00 AM	Breakfast
9:00-10:00 AM	Presentations About Computational Course Offerings for Fall 2009: Tamah Fridman and Greg Peterson
10:00-10:15 AM	Morning Break
10:15-12:30 AM	Tools for Success: Ronald McFadden
12:30-1:45 PM	Lunch
1:45-3:00 PM	Individual Assessment: Cheryl Barksdale
3:00-3:15PM	Afternoon Break
3:15-5:00 PM	Interpretation of Assessment: Cheryl Barksdale

### **Tuesday, August 11, 2009**

8:30-9:00 AM	Breakfast
9:00-10:00 AM	Individual Assessment: Cheryl Barksdale
10:00-10:15 AM	Morning Break
10:15-12:30 AM	Interpretation of Assessment
12:30-1:45 PM	Lunch
1:45-3:00 PM	Individual Assessment: Cheryl Barksdale
3:00-3:15PM	Afternoon Break
3:15-5:00 PM	Interpretation of Assessment: Cheryl Barksdale
5:00-6:00 PM	Dinner (on your own)

### **Wednesday, August 12, 2009**

8:30-9:00 AM	Breakfast
9:00-10:00 AM	Self Assessment: Caroline Szymeczek
10:00-10:15 AM	Morning Break
10:15-12:30 AM	Self Assessment: Carolyn Szymeczek
12:30-1:45 PM	Lunch
1:45-3:00 PM	Graduate Student Panel followed by a Q&A period
3:00-3:15PM	Afternoon Break

3:15-5:00 PM

Faculty – Mentors - Student Mixer

5:00 PM

Post-Evaluation Survey

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