

**Program Schedule (tentative)**  
**1st Annual UMB Current EM Techniques Workshop**  
**June 2 – 3, 2014**  
**University of Maryland Baltimore, Core Imaging Facility**

<b>Monday, June 2<sup>nd</sup></b>	
8:30 to 9:00	Registration, continental breakfast
9:00 to 9:15	Welcome and Introduction, Dr. Ru-ching Hsia, UMB
9:15 to 10:15	<b>Keynote Lecture: Structural Mechanisms of HIV Capsid Assembly, Maturation and Host Cell Interaction.</b> Dr. Peijun Zhang, University of Pittsburgh
10:15 to 10:30	Morning break
10:30 to 11:15	Application talk, Dr. Kim Rensing: Cryo EM sample preparation
11:15 to 12:00	Application talk, Dr. Gregor Heiss: Making Correlative Experiments easier
12:00 to 13:00	Lunch. Lunch box provided.
13:00 to 17:00	Demonstration stations, 30-45 min each rotation
	1. High pressure freezer, Leica EM PACT2
	2. Automated Freeze Substitution, Leica AFS2
	3. Cryo-ultramicrotome, Leica FC7
	4. Grid Plunger, Leica EM GP
	5. Cryo TEM/ cryo transfer holder (Tecnai T12/Gatan 626)
	6. Cryo SEM /Cryo-chamber (FEI Quanta 200/Gatan alto 2100)
17:30 to 20:00	Dinner event with the Chesapeake Microscopy and Microanalysis Society ( <b>CMMS</b> )
	17:30 to 18:00, Social, MSTF atrium
	18:00 to 19:00, Dinner, MSTF atrium
	<b>19:00 to 20:00 “Mechanism of myoblast fusion revealed by High pressure freezing and freeze substitution”</b> Dr. Elizabeth Chen, Johns Hopkins University
<b>Tuesday, June 3<sup>rd</sup></b>	
8:30 to 9:00	Breakfast
9:00 to 9:50	Tips and Tricks of cryo-EM sample preparation (Kim Rensing, --,--)
10:00 to 10:50	Tips and Tricks of Immuno-EM using Tokuyasu method (Kim Rensing, Carol Cooke, --)
11:00 to 11:50	Tips and Tricks of cryo-TEM and cryo SEM imaging (FEI, Haifeng He, Ulrich Baxa)
12:00 to 13:00	Lunch
13:00 to 17:00	Demonstration stations: rotation continued and hands-on by appointment with specialist to try out personal specimens
<b>Meeting Closed</b>	
Sponsors: Leica Microsystems, FEI. Co, Gatan, UK., Electron Microscopy Sciences/Diatome US.	