



MIT CEHS and CRC Workshop for Nurses “Cell Biology”

Agenda for January 12th and 13th, 2010

DRAFT Tuesday, January 12th

		Location
8:30- 8:45	Reception Coffee and Tea (15 min)	(Museum)
8:45- 9:15	Introductions Catherine Ricciardi, Nurse Manager MIT CRC Mission of Environmental Health Sciences (CEHS) Dr. Kathy Vandiver, Director Community Outreach and Education Core COEC)	(Museum)
	Pre-workshop evaluation and Day One paper work (30 min)	
9:15-10:00	Introduction to LEGO[®] DNA model Dr. Kathy Vandiver Concepts: Chromosomes, nucleotides, DNA replication (45 min)	(Museum)
10:00-10:15	<i>Break time with refreshments</i>	(Museum)
10:15-12:30	Protein Structure and Protein Synthesis with LEGO models & Concord Consortium Software, Molecular Workbench Concepts: Amino acids, protein folding, transcription, translation Two activities with Dr. Kathy Vandiver and Dr. Amanda Gruhl (2 hr 15 min)	(Learning Lab)
12:30-1:30	<i>Lunch ...your time...See page “Lunch Ideas around MIT”</i>	
1:30- 1:45	<i>Bus to the Broad Institute Sequencing Facility</i> (15 min)	(Broad)
1:45-4:30	Lecture and Fieldtrip: Broad Institute DNA Sequencing Lab Lecture: “Medical Insights from Genome Research” Dr. Megan Rokop, Program Director, Educational Outreach Program (2 hr and 45 min)	(Broad)
4:30- 4:45	Day One evaluation paper work (15 min)	(Broad)
4:45-5:00	Bus returns to the MIT Museum (15min)	(Museum)

Agenda continued on next page....



MIT CEHS and CRC Workshop for Nurses “Cell Biology” Continued....

DRAFT Wednesday, January 13th

		Location
8:30- 8:50	Reception Coffee and Tea Day Two evaluation paper work (20 min)	(Museum)
8:50- 9:35	LEGO[®] Mitosis and LEGO fish models Concepts: chromosome structure, cell cycle, Mendelian genetics Dr. Kathy Vandiver (45 min)	(Museum)
9:35-9:45	<i>Break with refreshments (10 min)</i>	
9:45- 11:00	Lecture: "The Nurses' Health Study - A Landmark in Women's Health Research" Prof. David Hunter, MBBS, ScD, Harvard School of Public Health (1 hr 15 min)	(Museum)
11:00-12:00	<i>Lunch ...your time... See page “Lunch Ideas around MIT”</i>	
12:00-1:30	Chromosomes LEGO Meiosis and Population Studies Concepts: Genetic variability, fertilization, individual susceptibility Dr. Kathy Vandiver (1 hr 30 min)	(Museum)
1:30-1:45	<i>Break, and the group walks across street to Novartis (15 min)</i>	(NIBR)
1:45-3:00	Tour at Novartis Institutes for BioMedical Research, Inc. 220 Massachusetts Avenue, Cambridge (1 hr 15 min)	(NIBR)
3:00-3:10	<i>Break (10 min)</i>	(NIBR)
3:10-4:25	Lecture “Drug Discovery 101” Dr. Rajesh Ranganathan, Head, Education Office, NIBR (1 hr 15 min)	(NIBR)
4:25-5:00	Day Two evaluation and Final Workshop evaluation paper work (35 min)	(NIBR)