CEHS workshop at MIT for Teachers
"DNA and Environmental Health"
Agenda for July 13th and 15th, 2009

Monday, July 13th

9:00- 9:30	Welcome; Pre-workshop evaluation and Day One paper work	(16-168)
9:30- 10:00	Mission of MIT's Center for Environmental Health Sciences Dr. Kathy Vandiver Director of the Community Outreach and Education Core (COEC)	(16-168)
10:00-10:30	**LEGO® Mitosis and LEGO fish models** Dr. Kathy Vandiver	(16-168)
10:30-10:45	*Break time with refreshments*	
10:45-12:00	**LEGO Meiosis and Genetics** Dr. Kathy Vandiver	(16-168)
12:00-1:00	*Lunch …your time… Stata Building Forbes Café or….*	
1:00-2:00	**Lecture** **Radiation Effects on Biological Material** Prof. Jacquelyn Yanch, Biological Engineering (BE)	(16-168)
2:15-3:00	**Group 1** Set up Yeast Experiment and irradiate Dr. Peter Svensson Post-Doc in the Samson Lab	BE Teaching Lab (56-322)
2:15-3:00	**Group 2** Background and Discussion for Yeast Experiment Dr. Laia Pesudo Post-Doc in the Samson Lab	(16-168)
3:00-3:15	*Break time with refreshments*	(16-168)
3:15-4:00	**Group 1** Background and Discussion for Yeast Experiment Dr. Laia Pesudo	(16-168)
3:15-4:00	**Group 2** Set up Yeast Experiment and irradiate Dr. Peter Svensson	BE Teaching Lab (56-322)
4:00- 4:30	Complete Day One evaluation paper work	(16-168)

Homework assignment for Wednesday:
Read journal article in binder. The article title is "Epigenetic Transgenerational Actions of Endocrine Disruptors and Male Fertility."

CEHS workshop at MIT for Teachers, continued

Wednesday, July 15th

9:00-9:20	Day Two evaluation paper work	(16-168)
9:20-9:40	Introduction to **LEGO DNA** models Dr. Kathy Vandiver	(16-168)
9:40-10:00	*Walk to the MIT Museum, 265 Mass Ave.*	MIT Museum
10:00 -12:00	"DNA to Proteins" at "The Learning Lab: the Cell" with the Star Biochem 3-D Protein Viewer lesson Dr. Kathy Vandiver and Dr. Lourdes Aleman, Post-Doc from the Office of Educational Innovation and Technology (OEIT)	
12:00- 12:55	*Lunch …your time… Stata Building Forbes Café or….* *NOTE: All afternoon sessions meet on 3rd floor of buildings 16 and 56*	
1:00-2:00	**Lecture** **DNA recombination repair** Prof. Bevin Engelward, Biological Engineering (BE)	(16-341)
2:15-3:00	**Group 1** Collect data from yeast experiment, analyze Dr. Peter Svensson and Dr. Laia Pesudo	BE Teaching Lab (56-322)
2:15-3:00	**Group 2** Discussion of *Science* article (epigenetics and pesticides) Dr. Amanda Gruhl Instructor at the Edgerton Center	(16-341)
2:30-3:15	*Break time with refreshments*	(16-341)
3:15-4:00	**Group 1** Discussion of *Science* article (epigenetics and pesticides) Dr. Amanda Gruhl	(16-341)
3:15-4:00	**Group 2** Collect data from yeast experiment, analyze Dr. Peter Svensson and Dr. Laia Pesudo	BE Teaching Lab (56-322)
4:00- 4:30	Complete Final evaluations of Day Two and the Workshop	(16-341)