MIT-Haiti Initiative - STAR Biology Workshops
January 16th-19th, 2013

Day 1 – Wednesday, January 16th

8:30-9:00 am  General Introduction

9:00-9:45 am  Introduction to Pedagogy & Assessment

9:45-10:45 am Introduction to Active Learning

10:45-11:00 am Break

StarBiochem Workshop

11:00-1:00 pm  1. Introduction to STAR Biology Tools

  2. Introduction to StarBiochem
     • Educational objective of the software & software capabilities
     • Hands-on guided tour

  3. StarBiochem hands-on activity - Basic
     StarBiochem Exploratory Exercise

1:00-2:00 pm  Lunch

2:00-6:00 pm  4. Examples of StarBiochem educational applications
     • In-class activities
     • Laboratory activities
     • Outside-class activities

      5. StarBiochem hands-on activity - Advanced
         DNA Glycosylase Exercise Parts 1-2

      6. Designing & writing your own StarBiochem activities
         • Finding structures in the Protein Data Bank
         • Illustration of design process
Day 2 – Thursday, January 17th

9:00-9:30 am  Introduction to Educational Technologies (Part I)

**StarGenetics Workshop**

9:30-1:00 pm

1. Introduction to StarGenetics
   • Educational objective of the software & software capabilities
   • Hands-on guided tour

2. StarGenetics hands-on activity
   StarGenetics Guided Tutorial

1:00-2:00 pm  Lunch

2:00-6:00 pm

3. Examples of StarGenetics educational applications
   • In-class activities
   • Laboratory activities
   • Outside-class activities

4. StarGenetics hands-on activities
   StarGenetics Fruit Fly Exercise 1 – Level 2
   StarGenetics Fruit Fly Exercise 8

5. Designing & writing your own StarGenetics activities (Part I)
   • Introduction to building custom StarGenetics exercises
   • Hands-on activity building StarGenetics exercises (Peas)

Day 3 – Friday, January 18th

9:00-9:30 am  Introduction to Educational Technologies (Part II)

9:30-1:00 pm  Assessment & Evaluation Workshop

1:00-2:00 pm  Lunch

**Curriculum Development Workshop & Activities**

2:00-6:00 pm  Designing & writing your own StarGenetics activities (Part II)
   • Hands-on activity building advanced StarGenetics exercises (Flies)
   • Group activity: build your own StarGenetics exercise

Day 4 – Saturday, January 19th

9:00-1:00 pm  Closing Presentations