Draft Agenda
Genomics Education Partnership Alumni Faculty Workshops
Planning the Next Stage
Washington University, June 17 – 20 or July 22-25, 2017

Saturday, June 17 or July 22 ***Travel to St. Louis***

Noon Opportunity to work with C Shaffer & W Leung *Village Dorm, ground floor*
Check-in noon – 4 pm *Village Dorm, ground floor* (*if after 4 pm call W Leung 314-651-7239; if 8 pm - midnight, contact WU Summer Housing 314-935-5015; emergencies, WU Campus Police, 935-5555*)

5:00 pm Welcome Reception *Village Dorm dining area, ground floor*

6:00 pm Dinner *(Mexican Buffet, catered)*

7:00 pm Overview: report on GEP activity for the 2016-2017; introduction to plans for next manuscripts/projects, long-term planning.
Sarah Elgin, other project leaders; discussion – all attendees.

Sunday, June 18 or July 23

7:30 am Breakfast at the Knight Center (*2nd floor buffet*)

8:30 am Insights from the GEP assessment data (student responses, faculty responses);
David Lopatto (in person in July)
NSLC Classroom, LS311

9:45 am Coffee break, *NSLC lounge (order box lunch for Tuesday)*

10:00 am The year just past: experiences of new members implementing genomics curriculum:

11:30 am The year just past: new experiences of long-term members trying new things in genomics curriculum:

12:30 pm Lunch: informal discussions *(Get sandwiches, salad, etc. at the DUC, Starbucks, Einstein Bros. Bagels, or Holmes Lounge)*

1:30 pm Current annotation workflow: updates to the GEP web framework; working with genes with consensus sequence errors; new features and evidence tracks on the GEP UCSC Genome Browser.
Wilson Leung, *NSLC Computer Lab*

3:00 pm Soda/Coffee/munchies break (*NSLC Lounge*)

3:15 pm Practice time: identifying and documenting consensus errors, using the new features in the GEP web framework, Finding TSS, Motif Finding.

4:00 pm Introduction to long-term planning
Potential scientific projects
Alternative future forms for the GEP: new leadership and/or co-op?
Central functions vs dispersed?
Financial models? Feasibility?
NSLC classroom, LS 311.

6:00 Dinner (*barbecue at the Elgin's*)
Discussion: future directions for the GEP

Monday, June 19 or July 24

7:30 am Breakfast at the Knight Center (*2nd floor buffet*)

8:30 am Alternative activities:

How to do differential RNA-seq analysis using Galaxy. Led by Wilson Leung, with contributions by Jeremy Buhler on the underlying algorithms for short read alignments (July; different speaker in June).
NSLC computer lab

What have we learned from our current assessment data? Planning the next science education manuscript. Discussion/analysis led by David Lopatto.
NSLC classroom LS 311.

Subgroups working on preparation of curriculum and/or associated manuscripts, led by GEP members.
NSLC break-out rooms.

10:00 am Coffee break (*NSLC Lounge*)

10:30 am Continue above activities or switch groups.

12 noon Lunch: informal discussions *(Sandwich board/salads in the NSLC)*
NSLC Computer Lab will remain open for continuing work if desired

1:00 pm Continue discussion on long-term planning etc; form working groups

3:30 Break (sodas and munchies available)

4:00 Working groups meet

6:00 Dinner (*catered)*
Informal discussion, continue dialogue from above; continue working groups.

Tuesday, June 20 or July 25

7:30 am Breakfast at the Knight Center (*2nd floor buffet*)
(*bring bags to NSLC; must vacate dorm rooms by 11 am*)

8:30 am Working groups meet. Coffee available.
NSLC tutorial rooms

10:00 am Coffee break, *NSLC lounge*

10:30 am Working groups report to group as a whole.

12:00 pm Lunch (box lunches) *NSLC Classroom, LS 311*
Wrap-up, future planning, commitments

2:00 pm Depart for airport (*Metro or shared rides*)

Possible working groups:

1. Publications: based on this year's assessment results (Lopatto)

2. What have we learned about managing a successful CURE? General vs bioinformatics? Some of this covered in the TIGs paper; can we assess other teaching features, perhaps through a faculty survey? Topics might include grading, transmitting culture of science, project ownership, being part of a larger project, configuring that curriculum to your students (key strategies for adaptation).

3. Taking "Understanding Eukaryotic Genes" → CourseSource (in progress, M Laakso).

4. Sharing materials developed by individual GEP faculty (several topics from last year; bring your favorite materials to be critiques and developed with your colleagues!)

5. Future organization!

Revised 2/20/2017 SCRE