**Draft: G-OnRamp Beta Testers Workshop Agenda**

**Washington University, June 20-22, 2017**

# **Tuesday, June 20 Travel to St. Louis or Conclusion of GEP Alumni Workshop**

|  |  |
| --- | --- |
| Noon | 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; arriving after midnight or emergencies, call WU Campus Police, 935-5555*) |
| 5:00 pm | Welcome Reception *Village Dorm dining area (Fireplace Room), ground floor* *(sign up for Thursday box lunches)* |
| 6:00 pm | Dinner *(Catered; Village Fireplace Room, ground floor)* |
| 7:00 pm | Overview: Brief Introduction to the GEP, Galaxy and G-OnRamp; Goals for the WorkshopJeremy Goecks and Sarah ElginOverview: Goals of participantsAll attendees |

***Wednesday, June 21***

|  |  |
| --- | --- |
| 7:30 am | Breakfast at the Knight Center *(second floor buffet)* |
| 8:30 am | Overview of Galaxy: Quick review of Galaxy 101/102Yating Liu, Luke Sargent, Wilson Leung and Jeremy Goecks*NSLC Computer Lab, Washington University Danforth Campus* |
| 9:00 am | Example: Using Galaxy for handling RNA-seq data |
| 10:15 am | Coffee break*NSLC Lounge* |
| 10:30 am | Introduction to G-OnRamp*NSLC Computer Lab*Practice time (walkthrough): Use G-OnRamp to create a genome browser for the *D. biarmipes* F element |
| 12:00 noon | Lunch: informal discussion *(Get sandwiches, salads etc. at the DUC, Starbucks, Subway, Grounds for Change)**NSLC Computer Lab will remain open for continuing work if desired* |
| 1:30 pm | Customize the Genome Browsers produced by G-OnRampYating Liu*NSLC Computer Lab* |
| 2:30 pm | Break: sodas and munchies*NSLC Lounge* |
| 2:45 pm | Using G-OnRamp to create Genome Browsers for whole genome assembliesPractice time: Explore the Genome Browsers created by G-OnRamp*NSLC Computer Lab* |
| 4:15 pm | Issues with creating Genome Browsers for whole genome assemblies (optional)Wilson Leung |
| 5:15 pm | Recap: what worked well, what did not – user feedback |
| 6:00 pm | Dinner (*barbecue at the Elgin’s; 30’ walk or short drive*)Discussion: future directions, utilization of G-OnRamp and Galaxy in undergraduate research (all attendees). |

***Thursday, June 22***

|  |  |
| --- | --- |
| 7:30 am | Breakfast at the Knight Center *(second floor buffet)*(*bring bags to NSLC; must vacate dorm rooms by 11 am*) |
| 8:30 am | First working groups / optional sessions meet. Coffee available.*NSLC Tutorial Rooms* |
| 10:00 am | Coffee break, *NSLC Lounge* |
| 10:30 am | Second working groups / optional sessions meet. |
| 12:00 noon | Lunch (box lunches)*NSLC Classroom, LS 311*Working groups report to group as a whole |
| 2:00 pm | Wrap-up, future planning, commitments |
| As needed  | Depart for airport (*Metro 60’ or shared rides 30’*)(Plan travel to depart Washington University at noon or later) |
|  |  |

**Possible optional sessions:**

* Differential expression analysis with RNA-Seq
* Deployment options for G-OnRamp (*e.g.*, centralized server, Docker, Virtual Machines) on local servers or on a public cloud (*e.g.*, Amazon EC2, Microsoft Azure, Jetstream)
* Integrating G-OnRamp and Galaxy into the undergraduate curriculum

**Possible working groups:**

* Identify and prioritize the development of missing features for G-OnRamp
* Identify GEP web framework tools (*e.g.*, Gene Record Finder, Gene Model Checker) that should be generalized to other genomes; other tools required for project management
* Develop plans/ideas for training materials for G-OnRamp (*e.g.*, interactive tours, walkthroughs)
* Other:

Last update: 05/22/2017