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

**Washington University, July 25-27, 2017**

# **Tuesday, July 25 Travel to St. Louis or Conclusion of GEP Alumni Workshop**

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| Noon  2 – 4 pm | 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, 314-935-5555*)  NSLC computer lab open for review of Galaxy 101  *Life Sciences, first floor; staff available* |
| 5:00 pm | Welcome Reception  *Village Dorm Fireplace Room, ground floor*  *(sign up for Thursday box lunches)* |
| 6:00 pm | Dinner *(Catered; Village Dorm Fireplace Room, ground floor)* |
| 7:00 pm | Welcome to the G-OnRamp Beta Testers Workshop:  Introduction to the GEP, Galaxy and G-OnRamp; Goals for the Workshop  Jeremy Goecks and Sarah Elgin  Overview: Goals of participants  All attendees |

***Wednesday, July 26***

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| 7:30 am | Breakfast at the Knight Center *(second floor buffet)* |
| 8:30 am | Overview of Galaxy: Using Galaxy to analyze RNA-Seq data  Yating Liu and Luke Sargent  *NSLC Computer Lab, Washington University Danforth Campus* |
| 10:15 am | Coffee break  *NSLC Lounge* |
| 10:30 am | Introduction to G-OnRamp  Luke Sargent and Jeremy Goecks  Introduction to G-OnRamp walkthrough:  Use G-OnRamp to create a genome browser for the *D. biarmipes* F element  Yating Liu  *NSLC Computer Lab* |
| 12:00 noon | Lunch: informal discussions  *(Get sandwiches, salads etc. at the DUC, Starbucks, Subway,*  *Grounds for Change)*  *NSLC Computer Lab will remain open for continuing work if desired* |
| 1:00 pm | Customize the Genome Browsers produced by G-OnRamp  Yating Liu  *NSLC Computer Lab* |
| 2:30 pm | Break: sodas and munchies  *NSLC Lounge* |
| 2:45 pm | Use G-OnRamp to create Genome Browsers for whole genome assemblies  Practice time: Explore the Genome Browsers created by G-OnRamp  *NSLC Computer Lab* |
| 4:15 pm | Transfer large genomic datasets to G-OnRamp (walkthrough)  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, July 27***

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| 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 | 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).  Luke Sargent  *NSLC Computer Lab* |
| 10:00 am | Coffee break, *NSLC Lounge* |
| 10:30 am | 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
* 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: 07/06/2017