**G-OnRamp Beta Testers Workshop Agenda**

**Washington University, July 26-28, 2016**

# **Tuesday, July 26 Travel to St. Louis or Conclusion of GEP Alumni Workshop**

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| 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, ground floor*  *(sign up for Thursday box lunches)* |
| 6:00 pm | Dinner *(Catered)* |
| 7:00 pm | Overview: Goals for G-OnRamp  Jeremy Goecks and Sarah Elgin  Overview: Goals of participants  All attendees |

***Wednesday, July 27***

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| 7:30 am | Breakfast at the Knight Center *(second floor buffet)* |
| 8:30 am | Overview of Galaxy  Yating Liu, Remi Marenco and Jeremy Goecks  *NSLC Computer Lab, Washington University Danforth Campus* |
| 9:30 am | Practice time: Galaxy 101  *NSLC Computer Lab* |
| 10:15 am | Coffee break  *NSLC Lounge* |
| 10:30 am | Introduction to G-OnRamp  *NSLC Computer Lab*  Practice time:  Use G-OnRamp to create a genome browser for the *D. biarmipes* F element |
| 12:00 noon | Lunch: informal discussion *(Get sandwiches, pizza, etc. at the DUC)*  *NSLC Computer Lab will remain open for continuing work if desired* |
| 1:30 pm | Using G-OnRamp to create Genome Browsers for whole genome assemblies  Practice time: Explore the Genome Browsers created by G-OnRamp  *NSLC Computer Lab* |
| 2:00 pm | Issues with creating Genome Browsers for whole genome assemblies  *NSLC Computer Lab* |
| 3:00 pm | Break: sodas and munchies  *NSLC Lounge* |
| 3:15 pm | Customize the Genome Browsers produced by G-OnRamp  *NSLC Computer Lab* |
| 4:15 pm | Practice time: Continue to explore Genome Browsers created by G-OnRamp  *NSLC Computer Lab*  Optional breakout session:   * RNA-Seq analysis with Galaxy |
| 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 28***

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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 | First working groups meet. Coffee available.  *NSLC Tutorial Rooms* |
| 10:00 am | Coffee break, *NSLC Lounge* |
| 10:30 am | Second working groups 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 or shared rides*) |

**Possible working groups:**

* Identify and prioritize the development of missing features for G-OnRamp
* Develop training materials for G-OnRamp (*e.g.*, interactive tours, walkthroughs)
* 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
* Integrating G-OnRamp and Galaxy into the undergraduate curriculum
* 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)
* Options for long-term hosting of assembly hubs produced by G-OnRamp

Last update: 07/21/2016