7ᵗʰ Annual Mendelian Data Analysis Workshop

The University of Washington Center for Mendelian Genomics (UW-CMG) is offering a weeklong course on the analysis of next generation sequence data that will focus on strategies and tools for solving Mendelian disorders. The course is intended for data analysts/researchers who analyze next generation sequence data. We strongly recommend that you complete and are comfortable with the lessons in this command-line tutorial (http://rik.smith-unna.com/command_line_bootcamp/?id=ctzkjjkoqgm before attending the workshop.

Course Logistics
- ❖ When: Monday, August 12 – Friday, August 16, 2019
- ❖ Where: University of Washington Campus, Seattle, WA, USA
- ❖ Lunch and snacks provided each day
- ❖ Campus housing is available
- ❖ A laptop and specific software are required for participation

Course Outline – The course will consist of lectures and hands-on exercises designed to help reinforce the lecture content.

- ❖ Monday – *IT infrastructure; pipeline overview, CMG data, VCF files and Unix basics*
- ❖ Tuesday – *Sample/project level QC, study design & modes of analysis*
- ❖ Wednesday – *Annotation, interpreting CNV results, introduction to Gemini, and analysis using Gemini for autosomal recessive and de novo models*
- ❖ Thursday – *Analysis using Gemini for autosomal dominant models, candidate genes and variants, data sharing, and hands-on exercises*
- ❖ Friday – *Team and challenge projects using real-world data, presentations, wrap up, additional questions, and feedback*

For more information
- ❖ To apply to attend the workshop, please return your completed application (next page) to Melissa MacMillan at mpmacmil@uw.edu.
- ❖ For more information, or if you have questions, please contact Melissa MacMillan at mpmacmil@uw.edu.

Note: Space is limited; applications will be accepted until all spaces are filled. The cost to attend the Workshop is $300 (US). Attendees are responsible for costs associated with attending the workshop (i.e., airfare, housing, and incidentals).

Application for UW-CMG Mendelian Data Analysis Workshop

The UW-CMG Mendelian Data Analysis Workshop will focus on strategies and tools for solving rare Mendelian disorders. The course is intended for data analysts/researchers who are analyzing next generation sequence data.

Please complete this form to apply for a space in the course, and submit the application to Melissa MacMillan at mpmacmil@uw.edu. *We will accept applications until all spaces are filled; however, please be advised that space is limited.*

Cost for the course is $300 payable to the University of Washington. This registration fee is due two weeks after space is confirmed for the Workshop and is required to hold a space in the course.

1. Personal Information

    Applicant name:
    Email:
    Institutional Affiliation:
    Department:
    Title:

2. Briefly describe your research interests and major field(s) of study.

3. Please rate your experience/comfort level in the following areas, from 1 to 5
    (1 = no experience, no comfort; 5 = could teach an introductory-level class):

- Human genetics & study design
- Unix/Linux command line
- Gene/variant level annotation
- Next generation sequencing data analysis (FASTQ, BAM, VCF, etc.)

4. What do you want to get out of the Mendelian Data Analysis Workshop?