

Next-Generation Sequencing and Data Analysis Workshop

The Georgia Genomics Facility and Illumina are pleased to invite you to a “Next-Generation Sequencing and Data Analysis Workshop.” The workshop will cover sample preparation and examples of projects via a Powerpoint presentation, and intermittently switch to BaseSpace® (a cloud platform for data storage and analysis) for interactive demonstration of app launches and visualization of results.

Illumina experts will be guiding you through project planning including:

RNA-Seq

- Experimental Design
- Library Prep Considerations
- Tools and Algorithms for RNA-Seq Analysis
- Intro to BaseSpace® and Hands-On Analysis

Metagenomics

- Next-Generation Microbiology
- Sample Extraction, Library Prep and Data-Analysis Options
- 16S Metagenomics Analysis in BaseSpace
- Viral Metatranscriptomics
- Shotgun Metagenomics



Visit www.illumina.com/basespace to create a BaseSpace account and use Illumina’s data sets, or upload your own RNAseq data to participate.

When: Tuesday, November 17, 2015
8:00 AM – 12:00 PM

Where: UGA College of Veterinary Medicine
501 D.W. Brooks Drive, Room H203
Athens, GA 30602

Cost: Free UGA participant/\$20 Non-UGA participant

Who should attend: Anyone interested in learning about next-generation sequencing and data analysis.

More Information: Please contact Dr. Myriam Belanger, belanger@uga.edu

Workshop Requirements: This is a hands-on workshop. **Participants are required to bring their own laptops or tablets.** Free Wi-Fi access will be provided to participants. UGA participants will be required to access the PAWS-Secure network using their MyID login and password. Non-UGA participants will be provided with a secure login and password information the day of the workshop to access the Welcome_to_UGA network.

Registration: **With an active GGF account** go to <https://gsle.ovpr.uga.edu/login>.
Without a GGF account go to <http://dna.uga.edu/ordering/new-customers/> to create an account first.

Deadline to Register: Friday, November 13, 2015, 3:00 PM. Register now. Space is limited.