Note: This workshop will be taught online via Zoom.

Next workshop dates and times:

- Tuesday, November 17th: 9:30 AM - 12 PM
- Friday, November 20th: 9:30 AM - 12 PM
- Tuesday, November 24th: 9:30 AM - 12 PM

Before registering for this workshop, please note that the instruction for this workshop will require workshop participants to spend between 3-5 hours between classes on reading and exercises! This “self-learning” is mandatory if you want to follow along in the next online session. Online classes will focus on discussions, exercises and some instruction.

Description:
This online hands-on workshop will instruct participants on how to design a bulk RNA-seq experiment, and how to efficiently manage and analyze the data using the command-line interface and high-performance computing.

Prerequisites?
This is one of our advanced workshops, and requires registrants to have attended the following Basic workshop offered by our training team within the last 6-8 months: Introduction to command-line interface workshop.

FAQ - I am fluent in command-line interface and running jobs on the cluster, but have not attended the above prerequisite workshop, can I still register?

Answer - Yes, you can register but please do the following:
- Complete the registration first
- Then email us directly at hbctraining@hsph.harvard.edu with a detailed description of your knowledge/experience in command-line interface. **Failure to do this step will prevent or delay you from being accepted into this advanced workshop.**

Who Should Attend?
Eligible* Harvard researchers who want to learn:

1. How to design a bulk RNA-seq experiment
2. The steps involved in taking raw RNA-sequencing data (Illumina) and generating a count (gene expression) matrix
3. How to compute and assess QC metrics at every step in the workflow
4. How to automate a simple workflow on the cluster using shell scripting
5. How to effectively use HMS-RC’s O2 cluster for analysis

Cost and Registration:
There is a non-refundable and non-transferable $40 registration fee for this advanced workshop.

We will be accepting 35-45 participants on a first-come, first-served basis:

- If you are one of the first 35-45 eligible* registrants, you will receive an email with a link to pay the (non-refundable & non-transferable) $40 registration fee.
- If you are not among the first 35-45 eligible* registrants, you will be added to the waitlist and notified when we open registration for the next iteration of this workshop.

NOTE: You will not have a reserved seat for this workshop until you pay the registration fee. Please make sure you pay within the time stated in that email, else you will lose your spot to someone on the waitlist.

Eligibility requirements:
* To be eligible to attend this workshop you should fulfill at least one of the following criteria:
If you are unsure of your eligibility, please register anyway and we will get back to you.

Registration is now closed.

(Please check the eligibility requirements above prior to registering)

Questions?

Please contact us at hbctraining@hsph.harvard.edu with any questions.