Introduction to RNA-Seq Analysis Workshop

REQUEST FOR APPLICATIONS

Course description:
RNA-Seq, a high-throughput sequencing approach to analyze and compare gene expression, has become a standard laboratory technique. The ability to read cDNA sequences directly makes it possible to study transcriptomes with unprecedented sensitivity and reproducibility. In this workshop, researchers who want to generate and start analyzing RNA-Seq data will learn best practices for experimental design, quality control, read alignment, and expression analysis.

Target audience:
Preference may be given to participants who are conducting or planning studies using RNA-Seq data. No prior programming experience or command line training is required.

Selection process and criteria:
Harvard Catalyst’s Education Program offers first priority to applicants who are current Harvard students, faculty, or current employees of Harvard University, its ten schools, and its seventeen Academic Healthcare Centers (AHC), or that of Boston College School of Nursing, MIT, or Harvard Pilgrim Health Care. A complete list of participating institutions can be found on the Harvard Catalyst website: http://catalyst.harvard.edu/about/

The next level of priority is awarded to members of the national Clinical Translational Science Award (CTSA) consortium. A complete list of participating institutions (CTSCs) can be found on the CTSA website: https://www.ctsacentral.org/institutions

Applicants who are external to the groups listed above are accepted for a fee when space is available.

Preference may be given to participants who are conducting or planning studies using RNA-Seq data.

Tuition/fee for external participants:

The expectation is that by accepting a seat in one of the Education Program courses, the participant is agreeing to attend the entirety of the course. As part of the application process, a supervisor’s endorsement for course attendance, granting the applicant permission to be away from the lab or clinical duties for the duration of the course, will be automatically generated. If a participant must be absent for any portion of the course, it is the participant’s responsibility to notify course coordinators, since attendance is taken at all sessions. If the participant cannot be reached, the coordinators will then be obliged to notify the endorsing supervisor of the unexplained absence. Since the
Education Program courses are expensive to produce, but are offered to Harvard and CTSC affiliates free-of-charge, including meals and Continuing Medical Education (CME) credits, the only obligation of participants is to attend and participate fully.

Please also note that participants seeking CME credits must attend all course sessions and complete each daily evaluation. No partial CME credits are offered.

If you have any questions about the course or information above, please don’t hesitate to ask. The course coordinators can be reached at PGE_Bioinformatics@catalyst.harvard.edu.