Using Metabolomics Data in Network Medicine

REQUEST FOR APPLICATIONS

Course description:

This one-day module will focus on metabolomics data and the analytical challenges this type of data presents. There will be a combination of lectures that introduce analytic techniques and hands-on workshops where participants will have the opportunity to apply these techniques to analyze metabolomics data. Topics will include general metabolomics data analysis, pathway analysis, dynamic systems, and integrative approaches with other omics data.

The goals of this module are to:

- Learn what makes metabolomics different from other types of omics.
- Understand strategies for applying metabolomics data in network medicine.
- Learn common metabolomics data analyses and techniques.
- Understand how metabolomics data can be applied in population-based, basic, and methodological research.

Target audience:

The module is geared towards population-based researchers interested in using metabolomics data to understand disease mechanisms. Additionally, the module would be helpful for researchers interested in developing methods with metabolomics data and basic scientists interested in applying metabolomics data in their research. The module will emphasize metabolomics data in epidemiology; however researchers in other subfields are encouraged to apply.

Date applications are due for applicants and endorsers:

Applications are due by 5:00pm on September 10th, 2018.
Endorsements are due 5:00pm September 12th, 2018.

Date by which applicants will be notified:

All applicants will be notified of their status via email no later than September 21st, 2018.

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 or Harvard Pilgrim Health Care. A complete list of participating institutions can be found on the Harvard Catalyst website: [http://catalyst.harvard.edu/about/](http://catalyst.harvard.edu/about/).
The next level of priority is awarded to members of the national Clinical Translational Science Award (CTSA) consortium. Applicants who are external to the groups listed above are accepted for a fee when space is available.

**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 network.medicine@catalyst.harvard.edu.**