

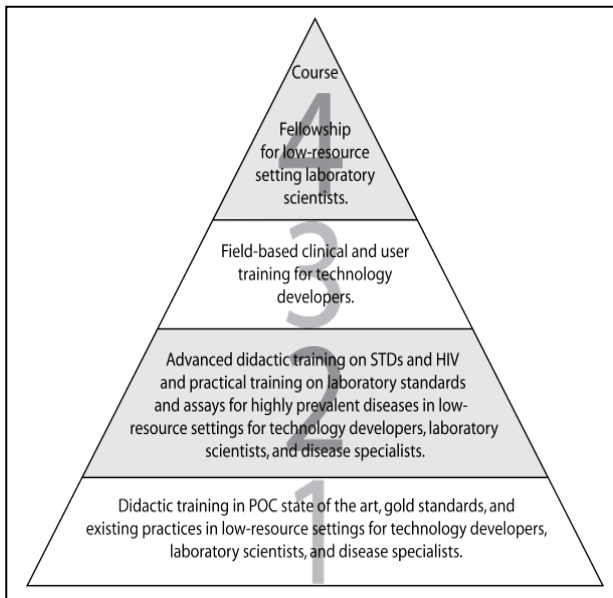


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GHDx Course 1 Point-of-Care Diagnostics for Global Health June 25–29, 2012 University of Washington, Seattle, WA

Outline

- About the course
- Objectives of the course
- Who should attend
- Travel and accommodations
- Recreation
- Course directors
- Course location
- Course sponsors
- Participating organizations
- Application deadline
- Benefits of the course



About the course

The Center for Point-of-Care Diagnostics for Global Health (GHDx Center), a collaboration between PATH and the University of Washington (UW) and part of the Point-of-Care Technologies Research Network funded by the National Institute of Biomedical Imaging and Bioengineering/National Institutes of Health, offers a new training opportunity.

This training for the GHDx Course 1, the Fifth Annual Course on Point-of-Care (POC) Diagnostics for Global Health, will be held in Seattle, Washington, June 25–29, 2012. The aim of the course is to increase cross-disciplinary training in the development and implementation of POC tests important for enhancing the health needs of low-resource settings (LRS), particularly those in developing countries.

GHDx Course 1, the first in a four-tier progressive training program as illustrated above, is a one-week course focusing on diseases of global significance, the technologies available for diagnosis, realities of testing, and the clinical importance of POC diagnostics in LRS. Course 2 is a one- to three-week course offered in Seattle. It will provide advanced didactic and laboratory training for research on, and laboratory testing of, diseases of global significance. Course 3 will provide the opportunity for POC test developers to visit LRS to assess how new technologies can be integrated into and enhance health care in these environments. Course 4, a nine-month fellowship program, will be offered to participants from LRS, allowing them to expand assay development and/or assay evaluation skills under the guidance of mentors at the UW or PATH.



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GHDx Course 1, June 25–29, 2012 Course Content

Participants in GHDx Courses 2 through 4 will be selected from individuals who have successfully completed Course 1. Information about these additional courses is available on the course website: <http://www.path.org/dxcenter/training-developers-and-users.php>.

The focus of this informational packet is Course 1, “Point-of-Care Diagnostics for Global Health” to be offered in Seattle, June 25–29, 2012.

The course will integrate elements of several essential focus areas:

- Sexually transmitted diseases (STDs)/HIV/malaria/tuberculosis epidemiology, clinical diagnostics, and treatment
- Gold-standard and POC testing and their impact on clinical management
- Evaluation and implementation of reliable laboratory testing
- Clinical needs assessment in LRS
- Challenges with development and implementation of POC tests
- Assessment of potential impact of POC testing in LRS

Objectives of the course

1. To introduce course participants to the global significance, clinical manifestations, and treatment of STDs, HIV, tuberculosis, malaria, and other diseases of global significance.
2. To examine the impact of syndromic management, therapeutic trials, and etiologic agent-based treatment schemes.
3. To develop skills necessary for good clinical laboratory practices including the principles of assay development, validation and implementation, test interpretation, and quality assurance.
4. To examine techniques available for POC testing as well as those under development.
5. To expose students to the techniques and quality control procedures necessary for reliable gold standard and POC testing in clinical laboratories, including those specific for infectious diseases.
6. To evaluate the impact of POC testing on implementation and economics of health care in LRS.
7. To develop skills for evaluation of novel POC tests in LRS.
8. To encourage the exchange of the expertise and experience among the course participants.
9. To promote collaborations among course participants for the development, evaluation, and implementation of POC tests.

A combination of didactic lectures, preassigned reading, student presentations, discussions, and social events will be employed to encourage interaction with the speakers and between the



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GHDx Course 1, June 25–29, 2012 Course Content

course participants. A comprehensive syllabus and references will be provided to the course participants. The 2012 course will be similar to the content of this course offered last year. Please go to <http://www.path.org/dxcenter/training-developers-and-users.php> to see the 2011 GHDx Course 1 syllabus and faculty.

Who should attend

- Researchers from academia and industry who are in a setting appropriate for the development or application of POC testing to improve health care in LRS
- Participants who are able to foster collaborations that result in implementation of POC testing
- Clinicians involved in health care implementation in LRS
- Directors, supervisors, and teachers in clinical laboratories in LRS
- Public health officials overseeing laboratory testing in LRS
- Individuals with sufficient education (PhD, MD, other) to facilitate POC testing

Travel and accommodations

The GHDx Center will pay for round-trip coach airfare from your home city to Seattle as well as transportation between SeaTac airport and the University of Washington. Ms. Christine Makela will assist you in this booking. If you wish to stay in Seattle longer to enjoy its sights, we will be happy to assist you with booking alternative dates, as long as airfare does not exceed what it would cost for the times necessary to schedule the course.

UW dormitory accommodations, a ten-minute walk from the course site, will be provided to course participants. Dormitory housing is an economical and convenient choice for lodging which includes your room, a shared bathroom, and a meal card for meal purchases at designated university dining locations (\$20/day). Evening meals for two nights will be provided as part of the course. Detailed on-campus lodging information will be included in the course confirmation letter.

For more information, please call or email Ms. Christine Makela at 206-897-5351 or cem3@uw.edu.

Participants may choose to pay for housing at local hotels; however, there is no monetary compensation for participants who choose off-campus housing. If you choose off-campus housing, please inform us so that we may cancel your reservation in the dormitory.

For UW disability accommodations, contact the Disabilities Services Office at least ten days in advance at (206) 543-6450 (voice); (206) 543-6452 (TTY); (206) 685-3885 (fax), or email access@u.washington.edu.



www.path.org/dxcenter/

GHDx Course 1, June 25–29, 2012 Course Content

Recreation

There will be no extended free time during the course. However, if you choose to arrive before or stay after the course, the Seattle area offers a variety of recreational activities. (As long as airfare does not exceed the cost of a round-trip ticket from your home city, we will be happy to assist you in booking for flexible dates.) On the UW campus, you can tour the Burke Museum, featuring the natural and cultural heritage of the Pacific Rim, enjoy the golf driving range, or rent a canoe or rowboat on scenic Lake Washington. Just off campus, you will find the Museum of History and Industry and the Washington Park Arboretum with its Japanese Tea Garden. Call the UW Visitor Information Center at (206) 543-9198 for more information. In downtown Seattle, popular attractions include the Pike Place Market, the Space Needle at Seattle Center, the Seattle Art Museum, and the world-class Benaroya Symphony Hall. Baseball fans can watch the Seattle Mariners play at Safeco Field. If you enjoy being on the water, there are harbor tours of the Seattle waterfront and surrounding lakes, as well as all day excursions through the beautiful San Juan Islands. Call the Seattle Visitors Bureau at (206) 461-5800 or visit <http://www.visitseattle.org/> for more information. Additional questions can be directed to Christine Makela (contact information below).

Course directors

Pat Totten, PhD
Karen Stephens, PhD

Travel/accommodation information

Christine Makela
Voice: 206-897-5351
Fax: 206-897-5363
Email: cem3@uw.edu

Course location

University of Washington Campus
Seattle, Washington

Course sponsors

National Institute of Biomedical Imaging and Engineering (NIBIB)
The Department of Global Health, University of Washington, Seattle, Washington



www.path.org/dxcenter/

GHDx Course 1, June 25–29, 2012 Course Content

Participating organizations

University of Washington, Departments of Global Health, Laboratory Medicine, and Medicine (Division of Infectious Diseases), Seattle, Washington
PATH, Seattle, Washington

Application Deadline

March 15, 2012

Benefits of participation in GHDx Course 1 (reported by previous participants):

- Collaborations and test development
 - Established a new collaboration
 - Shared (or used) materials, specimens, or information with other course participants
 - Increased their interactions with a POC test manufacturing facility
 - Applied for financial support for their work with POC testing
- Education or training
 - Implemented new lectures, courses, or training classes on POC testing
 - Contacted another course participant to discuss ideas or projects
 - Promoted the development and/or use of POC testing in their home setting
- Health care delivery (testing)
 - Implemented new QA or QC testing in their clinic or laboratory
 - Influenced decisions on improving health care by the use of POC tests
 - Improved the interaction between health providers and laboratory testing in LRS