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**Announcing**  
**Open Application Period December 15, 2009—April 15, 2010**  
**For GHDx Course 1**  
**Point-of-Care Diagnostics for Global Health**  
**June 28–July 2, 2010**  
**University of Washington, Seattle, WA**

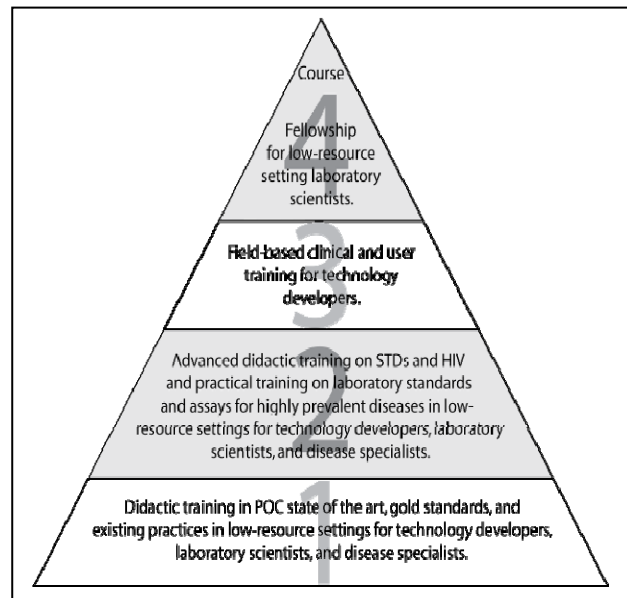
**Outline**

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**About the course**

The Center for Point-of-Care Diagnostic for Global Health (GHDx Center), a collaboration between PATH and the University of Washington, and part of the Point-of-Care Technologies Research Network funded by the NIBIB/NIH, offers its highly regarded Third Annual Course on Point-of-Care (POC) Diagnostics for Global Health. This course (GHDx Course 1) will be held June 28—July 2, 2010, with the aim of increasing cross-disciplinary training in the development and implementation of POC tests important for enhancing the health needs of low-resource settings, particularly those in developing countries.

GHDx Course 1, the first in a four-tier progressive training program as outlined above, is a 1-week course focusing on diseases of global significance, the technologies available for diagnosis, realities of testing, and clinical importance of POC diagnostics in low-resource settings (LRS). Course 2, a one- to three- week course offered in Seattle, 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 develop 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 28—July 2, 2010 Course Information**

Participants in GHDx Courses 2 through 4 will be selected from individuals who successfully completed Course 1. Information about Courses 2 and 3 are available on the course website: <http://www.path.org/dxcenter/training-developers-and-users.php>. Information on Course 4 will be available early in 2010.

Course 1, “Point-of-Care Diagnostics for Global Health” will integrate elements of several essential focus areas:

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

### **The objectives of the course are:**

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 and those under development
5. To expose participants 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 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, pre-assigned reading, participant presentations, discussions, and social events will be employed to encourage interaction with the speakers and between the course participants. A comprehensive syllabus and references will be provided to the course participants and available on the course website. Participants will become members of an internet



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networking site of all previous GHDx course alumni to facilitate networking and collaborations. The 2010 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 2009 GHDx Course 1 syllabus and faculty.

### **Who should attend**

- Researchers interested in development and/or implementation of POC testing devices
- Clinicians involved in health care implementation in LRS
- Directors, supervisors, teachers in clinical laboratories in LRS
- Public health officials overseeing laboratory testing in LRS
- Participants from academia and industry interested in the application of POC testing to improve health care in LRS

### **Accommodations**

University of Washington dormitory accommodations, a 10-minute walk to the course site, will be provided to course participants. Dormitory housing is an economical and convenient choice for lodging, which includes your room (double occupancy), a shared bathroom, and a meal card for meal purchases at designated University dining locations (\$30/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  
206-744-3785 or e-mail [pocidea@u.washington.edu](mailto:pocidea@u.washington.edu).

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

University of Washington disability accommodations: Contact the Disabilities Services Office at least 10 days in advance at (206) 543-6450 (voice); (206) 543-6452 (TTY); (206) 685-3885 (fax), or e-mail [access@u.washington.edu](mailto:access@u.washington.edu).

### **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. On the University of Washington 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'll 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 the Seattle Center, the Seattle Art Museum and the world-class Benaroya Symphony Hall. Baseball fans can watch the Seattle Mariners play at



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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 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: 206-744-3785  
Fax: 206-744-3693  
Email: [pocidea@u.washington.edu](mailto:pocidea@u.washington.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

**Participating organizations**

University of Washington, Departments of Global Health, Laboratory Medicine, and  
Medicine (Division of Infectious Diseases), Seattle, Washington  
PATH (Program for Appropriate Technology in Health), Seattle, Washington

**Application deadline**

April 15, 2010—no exceptions granted.