



# HIV Monitoring Technologies for Resource-Limited Settings

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[www.hivforum.org](http://www.hivforum.org)



Behavioral and Health Care Studies  
Contributed to HIV/AIDS

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THE GEORGE WASHINGTON UNIVERSITY  
SCHOOL OF PUBLIC HEALTH  
AND HEALTH SERVICES

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**Forum for Collaborative HIV Research**

Department of Health Policy

The Forum for Collaborative HIV Research is a public/private partnership including academia, advocacy, government and industry.

Our mission is to facilitate and enhance HIV research.

# Transfer of Monitoring Technologies into Resource-Limited Settings

- November 11-13, 2001 Workshop organized by GMHC and Project Inform reviewed different low-cost monitoring technologies that can be used in the resource-limited setting
- The organizers asked the Forum for Collaborative HIV Research to spearhead the next phase: clinical validation of the technologies and transfer of the technology to the resource-limited setting

# Transfer of Monitoring Technologies into Resource-Limited Settings

## Phase I

- Workshop held April 22, 2002\*
  - Pathway to clinical validation of alternative technologies
- Satellite Symposium, Barcelona 2002\*
- CD4 and VL working groups established to continue dialogue and exchange of information relevant to clinical validation

*\*Workshop report and Symposium Presentations available at [www.hivforum.org](http://www.hivforum.org)*

# Transfer of Monitoring Technologies into Resource-Limited Settings

## April 22 Workshop Report

- Proceedings of workshop
- Lists all participants and their role in the transfer of laboratory technology
- Lists participants needs in and potential contribution to the transfer of laboratory technology (opportunities for collaboration across constituencies)
- Summarizes all currently available data as well as planned studies, future potential studies

# Transfer of Monitoring Technologies into Resource-Limited Settings

## Project Network

- ANRS, CDC, NIH, USAID, CAREC, WHO, Health Canada
- Rockefeller Foundation, Family Health International, Doris Duke Charitable Foundation, Clinton Foundation, Gates Foundation
- PATH, PharmAccess
- Bayer, Beckman Coulter, Becton Dickinson, Dynal, Perkin Elmer, Guava Technologies, Cavid, Partec, Primagen, Pointcare Technologies, Roche
- Research institutions from Africa, Australia, Europe, Asia, Caribbean and USA

# Transfer of Monitoring Technologies into Resource-Limited Settings

## Working Group Phone Conferences

- International, representing agencies, industry and research networks
- Continue assessing work done in this area
- Identify gaps in the validation process/determine what work must be done to fill these gaps
- Rapid exchange of information of new, unpublished study results
- Plans for future studies
- Information on better assay performance

# Transfer of Monitoring Technologies into Resource-Limited Settings

Phase II: QA/QC Workshop, October 30, 2003

- To identify what QA/QC of CD4 and viral load assays is being conducted in the resource-limited settings
- To identify the role of each of the groups in the QA/QC process (ANRS, CDC GAP, WHO, Health Canada, UK NEQAS, NIAID IQA, NIAID VQA)
- To identify what is needed to ensure that QA/QC can be performed on all CD4 and viral load assays



# Special Thanks



Ben Collins and Stephen Pelton

# Agenda

Welcome and Introduction - Ben Cheng, FCHR

Review of CD4 Technologies - Suzanne Crowe, MD, MacFarlane  
Burnet Institute

Review of Viral Load Technologies - Susan Fiscus, PhD,  
University of North Carolina, Chapel Hill

How Technologies are Used on the Ground - Trevor Peter, PhD,  
MPH, Harvard-Botswana AIDS Institute Partnership

Integration of New Monitoring Technologies into ARV Rollout  
Plans - James Hakim, MD, University of Zimbabwe