HIV Monitoring Technologies for Resource-Limited Settings

Ben Cheng

www.hivforum.org
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
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, Cavidi, Partec, Primagene, 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• Rapid exchange of information of new, unpublished study results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