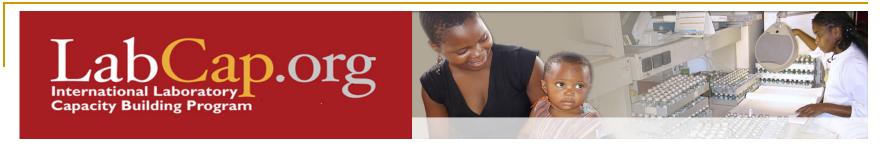


Keith Klugman, Chair, ASM International
Board
Lily Schuermann, Director, ASM International
Affairs



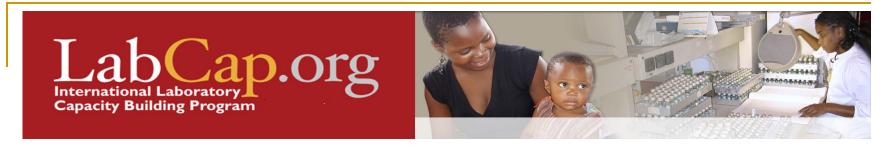


- American Society for Microbiology (ASM) is the oldest & largest life science organization in the world -1899-2009; with membership >43,000 worldwide (30% reside outside US)
 - The ASM International Board mission is to ensure that ASM continues and expands its global activities in the field of microbiological sciences.
 - ASM International Board Committees
 - International Education Committee (IEC)
 - International Membership Committee (IMC)
 - International Laboratory Capacity Building (LabCap) Committee



How LabCap began

- Resulting from a 2005-signed four-year cooperative agreement between ASM and CDC's Global AIDS Program (GAP), ASM International Board fostered the creation of the International Laboratory Capacity Building (LabCap) Program
- Primary objective of LabCap to assist CDC with improving laboratory diagnosis of HIV-related opportunistic infections in PEPFAR-funded countries
- In 2006 LabCap invited to support two PEPFAR African countries –
 Namibia and Zambia



Where LabCap is now

LabCap activities currently include 4 separate programs with differing funding mechanisms:

- Technical support to the CDC's GAP & PEPFAR Initiatives
- Technical support to the CDC's Global Disease Detection's International Emerging Infections Programs (IEIP) – assisting with lab strengthening for the diagnosis of respiratory disease
- USAID-funded ASM-PATH (Program for Appropriate Technology in Health)
 Collaboration in India assisting Indian Intermediate TB Reference Labs with obtaining national accreditation for performing TB culture and DST
- USAID-funded TB Indefinite Quantity Contract (IQC) led by PATH providing extensive support to USAID operating units in the implementation of their TB control and prevention programs through the introduction and expansion of the components of the WHO-recommended STOP TB Strategy



Where LabCap is now – in 15 different countries, on 3 different continents – soon to add 4 more countries this year (DRC, Ethiopia, Guyana, and Vietnam)





What LabCap is doing - TB lab strengthening

	Namibia	Zambia	Kenya	Cote d'Ivoire	Nigeria	Botswana	Haiti	India
Guidance on TB lab renovations (BSL3)			Χ	Χ	Χ		Χ	
Guidance on procurement of equipment & supplies	X		Χ	Χ	Χ		Χ	
AFB microscopy training	Χ		Χ	Χ	Χ	Χ	Χ	
AFB microscopy EQA			Χ	Χ	Χ	Χ	Χ	
Fluorescence microscopy		Χ	Χ	Χ			Χ	
Implementation/validation of TB liquid culture, identification, & drug susceptibility testing	X	Χ	X	X	Χ	Χ		
TB culture EQA	Χ		Χ	Χ		Χ		
TB molecular diagnostics			Χ	Χ				
Biosafety	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
SOPs	Χ	Χ	Χ	Χ	Χ	Χ	Χ	
Quality systems		Χ	Χ	Χ				Χ
Accreditation		·	Χ			·	·	Χ
Strategic planning		·	Χ	Χ				·



What LabCap is doing - Basic micro lab strengthening

	Zambia	Kenya	Cote d'Ivoire	Nigeria	Botswana	Mozambique	Tanzania	Rwanda
Guidance on lab renovations		Χ			Χ		Χ	
Guidance on procurement of equipment & supplies		Χ	Х	Χ	Х	Χ	Χ	Χ
Basic Bacteriology, Parasitology, & Mycology Diagnostic mentoring	Χ	Х	Х	Х	X	X	X	Х
Basic Bacteriology, Parasitology, & Mycology Diagnostic workshops	X	Χ	X	X	X	X	X	X
Bacteriology EQA	Χ	Χ			Χ	Χ	Χ	
Establishment/expansion of National Microbiology Reference Lab		X			X	X	X	
Implementation of automated diagnostics i.e blood culture	Х	Х			X	X	X	
SOPs	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Biosafety	X	Χ	X	X	X	X	X	Χ
Quality systems	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ
Accreditation		Χ			X			
Strategic planning		Χ				X	X	



Major Collaboration - Case Study - Cote d'Ivoire (CI)

In line with GLI objectives – CDC-CI and ASM are leading a first-time multiorganizational collaboration in Côte d'Ivoire to improve TB diagnostics

- Key partners involved: CI MOH (NTP, NTRL,NAP), ASM, CDC, FIND, WHO, UNITAID, EGPAF, BD, ACILT, CDC Lab Coalition Partners
- Objectives Partner coordination on the following key aspects:
 - AFB smear microscopy training & EQA
 - AFB smear microscopy specimen referral system
 - Implementation & training on TB liquid culture, DST, and molecular assays
 - Upgrading infrastructure of TB culture labs
 - TB infection control
 - Formulation of national strategic plan for the public health laboratory including TB, HIV, Malaria, & other diseases
 - Integration of infectious disease laboratory services



<u>Major Collaboration – Case Study – Cote d'Ivoire (CI)</u>

Achievements

- Assisting MOH with development of National Laboratory Strategic Plans & Policy CDC-CI, ASM, CDC Lab Coalition Partners
- Near final upgrading of NTRL into a BSL3 facility CDC-CI, ASM, EGPAF, FIND/UNITAID
- Guidance on establishing national EQA for AFB microscopy ASM
- Preliminary plan for national specimen referral system BD
- Training & follow up technical assistance/mentoring plans for TB liquid culture, DST, and line probe assay – ACILT, ASM, BD & FIND
- AFB smear microscopy technical assistance at largest regional TB facilities ASM
- Establishing of an MOU between FIND/UNITAID and CI MOH enabled by CDC-CI

Challenges

- Slow establishment of in-country Technical Working Group
- Lapses in communication amongst Partners, now resolved with the identification of an in-country lead (CDC-CI) through which all communication is fielded
- Funding mechanism set-up does not allow for much flexibility

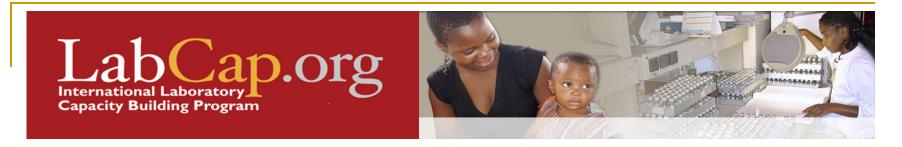


New LabCap Developments

- LabCap renewed a five-year cooperative agreement with CDC's GAP
- LabCap is participating in the newly developed WHO-AFRO accreditation scheme for public health labs in Africa
- LabCap is developing standardized, customizable training packages containing modules based on LabCap's field-tested best practices & enhancing the current structure of the LabCap mentoring program
- MOU signed with Universidad Peruana Cayetano Heredia (UPCH)
 - Establishing additional South-to-South collaborations involving the sharing of evaluated, culturally appropriate, and highly effective strategies and programs
 - Fostering the expansion of Centers of Excellence as international and/or regional centers for quality assurance and training by providing both access to ASM educational and scientific resources and linkages to LabCap partners
- LabCap continues to promote partnerships to maximize coordination of international lab capacity building efforts and optimize resource leveraging

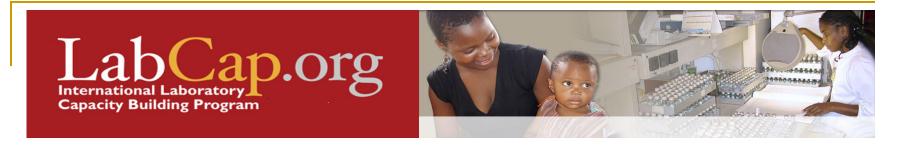
Slide 10

J think this slide should be split in two, way too much text! jtimm, 2009-10-06



New ASM International Board Developments

- ASM International Board offered recommendations to the Institute of Medicine (IOM) Committee on the US Commitment to Global Health; report was released May 20, 2009 –
 - Recommendations included increased global support for the establishment and strengthening of quality-assured, integrated national public health laboratory networks as integral components of overall health systems in resource-limited and transitional countries
- ASM renewed its formal relationship with PAHO/WHO
- ASM has agreed to publish in its Clinical Microbiology Reviews (CMR) an article on TB diagnostic capacity building in resource-limited countries
- ASM has now extended discounted membership & resource opportunities to individuals from mid-tier economy countries; lower-tier continue to receive free membership & essential resources



Thank you to LabCap's greatest strength, the ASM volunteers and consultants - their expertise, vision, dedication, and energy have enabled LabCap to thrive.

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