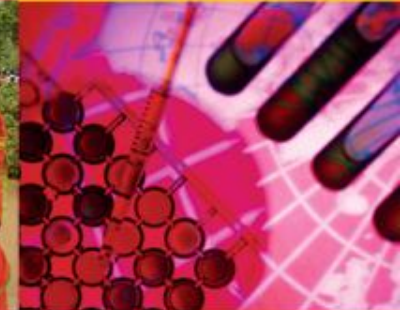




AMERICAN
SOCIETY FOR
MICROBIOLOGY



International Affairs



LabCap
International Laboratory
Capacity Building Program





American Society for Microbiology (ASM)

- The oldest & largest life science organization in the world - 1899-2010
- Membership >40,000 worldwide (30% reside outside the United States)
- ASM members represent 26 disciplines of microbiological specialization plus a division for microbiology educators
- Publications & journals (translated books, 11 journals covering spectrum of microbiology, Microbe - the News Magazine of ASM)
- Meetings & conferences (ASM General Meeting, Interscience Conference on Antimicrobial Agents & Chemotherapy)



Building Clinical & Public Health Lab Capacity through the ASM LabCap Program

ASM LabCap's Mission is to build international laboratory capacity for all clinical microbiology in resource-limited countries.

ASM LabCap's Goals are to:

- Develop and package training tools using new & existing resources with a consensus approach
- Monitor & evaluate program progress & impact in order to identify best practices
- Create sustainability at national levels through quality assurance programs & working with in-country partners



ASM LabCap Projects Overview

- **5-year Cooperative Agreement with the Centers for Disease Control & Prevention (CDC) for Global AIDS Program & PEPFAR Initiatives renewed in 2009**
- **CDC's Global Disease Detection's International Emerging Infections Programs - assisting with lab strengthening for the diagnosis of respiratory disease**
- **USAID-funded TB Indefinite Quantity Contract (IQC) led by PATH (Program for Appropriate Technology in Health) - providing support to USAID operating units in the implementation of their TB control & prevention programs through the introduction & expansion of the components of the WHO-recommended STOP TB Strategy**
- **USAID-funded ASM-PATH Collaboration in India Under TB TASC2 TO2 - assisting Indian Intermediate TB Reference Labs with obtaining national accreditation for performing TB culture and drug susceptibility testing (DST)**



Where ASM LabCap Works

16 different countries, on 3 different continents - soon to add 3 more regions/countries this year (Democratic Republic of Congo, Central Asia Republics, & Ukraine)





Major Collaboration - Case Study - Cote d'Ivoire

In line with GLI objectives - CDC-CI and ASM are leading a first-time multi-organizational 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

Major Collaboration - Case Study - Cote d'Ivoire

Achievements

- Near final upgrading of NTRL into a BSL3 facility - CDC-CI, ASM, EGPAF, FIND/UNITAID




NTRL - Before



NTRL-After



- Collaboration on establishment of national TB specimen referral system - ASM & BD
- Training & follow up technical assistance/mentoring plans for TB liquid culture, DST, and line probe assay - ACILT, ASM, BD & FIND



Major Collaboration - Case Study - Haiti

- June 2008 - Initial multi-organizational meeting with representatives from ASM LabCap, NTRL, PAHO/WHO, CDC, National TB Control Program, and the Institut Pasteur-Guadeloupe to define key organizational roles and responsibilities
- April 2010 - Joined multi-organizational post-earthquake mission to redefine organizational support to Haiti - included ASM LabCap, USAID, PAHO/WHO, CDC, Mass SRL, MOH, NTRL, NTCP, FHI, MSH
- May 2010 - Offered observer to FIND-organized iLED fluorescence TB microscopy training to follow up with trainees & assist NTRL staff with validating the new procedure
- July 2010 - Attended PAHO/WHO-organized Supranational TB Reference Lab meeting for the LAC region to discuss Haiti
- August 2010 - Co-organized with CDC an international francophone training session on AFB smear microscopy EQA with Haiti in representation
- October 2010 - Attending PAHO-organized multi-organizational follow up mission to determine steps taken since initial meeting in May and to further coordinate activities



Major Collaboration - Case Study - Guyana

- Introduction of methods for TB culture & DST is key to control MDR-TB in Guyana, a country with very limited resources
- To achieve this goal, ASM led the creation of a partnership with defined, complementary roles as follows:
 - ASM/CDC-GY - 1) mentoring of NRL as to improve solid culture, introduce non-commercial DST methods and QA/QC practices;
 - 2) strengthen national AFB microscopy EQA program
- PAHO - purchasing of Hain equipment
- Hain Diagnostics - free-of-charge training on LPA method



Thank You

THANK YOU

Dr. Celestin Hakiruwizera

Assistant Director Laboratory Capacity Building

American Society for Microbiology

Email: chakiruwizera@asmusa.org

www.labcap.org