



AMERICAN
SOCIETY FOR
MICROBIOLOGY

Partnerships and Collaborations that Apply Microbiology to Improve Public Health

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May 9, 2019

9th Global Health Conference
AMR in Latin America and the Caribbean
FIU-PAHO-WHO

Who We Are

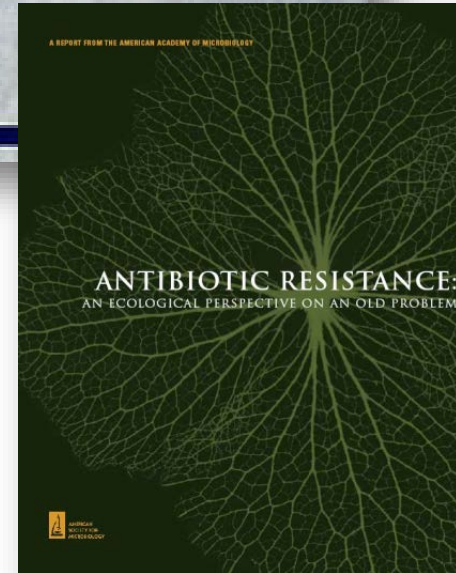
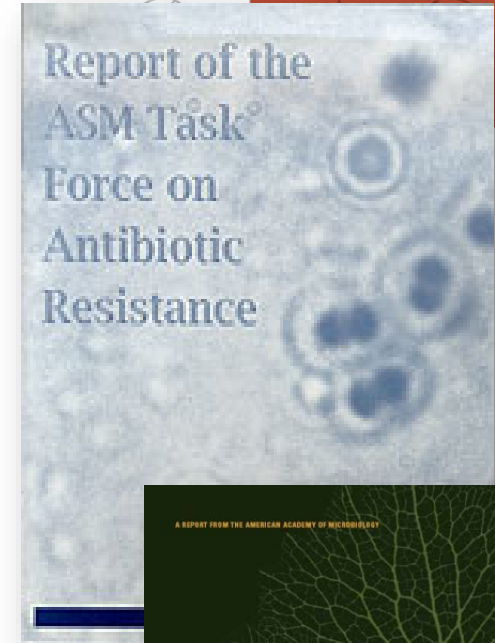
- One of the **largest life science societies** - founded in 1899
- Headquartered in Washington, DC
- Over 30,000 members representing 26 disciplines of microbiology
- Host multi-disciplinary meetings & conferences
- Deploy resources and expertise around the world
- Advocate for scientific research
- Member driven society



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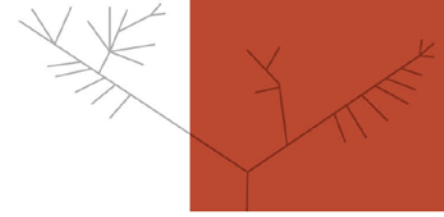
What We Do

- **Advance the Microbial Sciences**
- **Support Microbiology Professionals**
 - Microbiology professionals (continuing education, networking, mentoring, professional development opportunities)
- **Advocacy and Policy Initiatives**
 - In 1994, ASM formed a *Task Force on AMR* to analyze and assist in making well-informed public health policy
 - In 2014, ASM joined the *World Alliance Against Antibiotic Resistance (WAAAR) Declaration Against AMR*



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What We Do

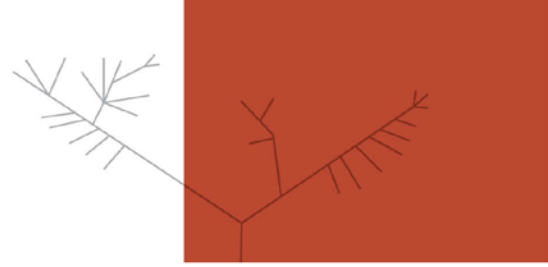


- **Global Health Programs**
 - Strengthen labs in underserved areas
 - Deploy qualified clinical & veterinary microbiologists and public health experts
 - Customize and roll-out structured mentorship program adapted to local contexts
 - Support the “One Health” approach



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Where We Are



> 30 Ambassadors & Young Ambassadors
> 584 Active Members

89 countries with ASM Country Ambassadors

80 countries with ASM Young Ambassadors of Science

24 countries with active capacity-building programs

17 International Student Chapters

AMERICAS



| LAIC Countries |
|-----------------------|
| Antigua |
| Argentina |
| Aruba |
| Barbados |
| Bermuda |
| Bolivia |
| Brazil |
| Cayman Islands |
| Chile |
| Colombia |
| Costa Rica |
| Cuba |
| Dominican Republic |
| Ecuador |
| El Salvador |
| Grenada |
| Guadeloupe |
| Guyana |
| Haiti |
| Jamaica |
| Mexico |
| Panama |
| Paraguay |
| Peru |
| Saint Kitts And Nevis |
| Saint Lucia |
| Trinidad And Tobago |
| Uruguay |
| Venezuela |

EUROPE & EURASIA



MENA



ASIA



OCEANIA



AFRICA



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Our Approach in Global Health



- Core values
- Principles
- Leverage of ASM resources



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What We Have Learned



- Need for implementation and adherence to **national polices and guidelines**
 - Better harmonization and alignment of activities with national policies and systems
- Challenges in strengthening **lab services and systems**
 - Absence of essential infrastructure, functional lab networks, skilled workforce, and supply chain management systems
- Achieving practical and sustainable **lab accreditation**
 - Limited implementation of quality management systems
- Capacity gaps in implementing a **functional M&E system**
 - Need for improved data analysis, utilization, and reporting



Sustainable Lab Systems Strengthening & Capacity



The ASM Mentorship Toolkit – ‘How To’

Understanding the local contexts and appropriately adapting interventions to local needs

Purpose

- A short narrative describing procedures the mentee will perform with the mentor

Learning Objectives

- Identifies what the mentee will be able to do after completion of the activity

Mentoring Activities

- Specific tasks the mentor will need to conduct with the mentee to attain the objectives

Resources

- Handouts, sample documents, customizable SOPs and forms

Additional References

- ASM books, CLSI guidelines, ISO Standards etc.



Strengthening Lab Capacity in Zambia



- Mentorship to 3 TB reference labs for >4 years
 - Experienced ASM mentors
 - Considered local contexts to together formulate right mentoring approach and teaching tools
- Baseline assessments
 - All labs started at zero star
 - Used WHO/AFRO SLIPTA checklist and ASM technical checklist
- All 3 TB labs attained international accreditation in 2019
 - Attributed to consistent mentorship, management and lab staff commitment



Strengthening Lab Capacity in Mozambique



- Strengthen and implement national lab strategic plans for increased adherence to national guidelines
- Develop national guidelines and standardized training packages
 - Microbiology, Biosafety, Specimen Referral, EQA, Blinded Rechecking, LED
 - Distributed throughout the country's 11 provinces
- Validate and verify new diagnostic tools
 - GeneXpert and LED-FM for TB
- Capacitate lab “champions”

Strengthening Lab Capacity in Ethiopia



- Support AMR Surveillance

- Development and implementation of *Ethiopia's first AMR Surveillance Plan*
- Roll-out of training and on-site mentorship to 4 pilot sites including NRL
 - Adapted to local contexts
 - NRL attained local accreditation in 2018; currently seeking international accreditation
- Virtual training through the *ECHO platform*
 - Promote timely exchange of information; enable access to network resources



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Resilient Workforce in the Face of Disaster



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What can we do for you?





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Thank you/ Muchas gracias!

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