Educational and Training Mission of Kenya TB Research and Training Program (KTRTP)

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5th Annual Tuberculosis Symposium.
23-24 March 2021. Seattle, UW, USA
Tuberculosis is still rampant in Kenya

KENYA has high burden of TB (among top 20 countries)
Incidence estimated ~ 300 cases per 100,000
2019: 86,478 notified TB cases (~10% are children)
Outcomes for TB in Kenya remain sub-optimal

- Incidence remains high over 20 years
- Children – challenges in diagnosis, higher mortality
- Treatment success below 90%
- Drug resistant cases increasing
For this reason, Kenya Tuberculosis Research & Training Program (KTRTP) was Launched

Goal: To address needs and gaps in TB research and training

Mission: To foster bidirectional research & training opportunities and partnerships – aligned to TB
Kenya TRTP Partner Institutions

UNIVERSITY OF NAIROBI College of Health Sciences
- School of Medicine
- Institute of Tropical and Infectious Diseases (UNITID)

KENYA MEDICAL RESEARCH INSTITUTE (KEMRI)
- Centre for Respiratory Disease Research (CRDR)

KENYA MINISTRY OF HEALTH
- National TB, Lung Health & Leprosy Program (NTLLP)
- National STI & AIDS Program (NASCOP)
# Training Opportunities under KTRTP

**Equip & support Trainees to do TB-related Research**

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<th>Program</th>
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| **PhD / Doctorate**           | • 1 year course work (UW/Kenya);  
                                  • 2 years implement thesis research in TB (Kenya) |
| **MPH (Epi/GH/Imp Sc) Fellowship in Epidemiology** | • 1 year coursework  
                                  • 1 year implement thesis research in TB (Kenya) |
| **Certificate**               | • 3-6 month coursework research methods for TB  
                                  • 6-12 month online evening courses |
| **Short courses Symposia**    | 5-day workshops. State of the art TB symposia  
                                  Equip in varied research & TB related topics |
Degree training program – overview

1st Year
- Trainees undertake didactic and online courses at Universities of Nairobi and Washington
- Develop Research Proposal

Courses in Research Methods:
- (Epidemiology, Biostatistics, Global Health, Implementation science, Systematic Reviews, Qualitative Research)
- Enhance TB clinical or laboratory technical skills

2nd Year
- Trainees mentored to implement a Research project

MPH or Fellowship in Epidemiology:
- Complete Research & graduate
- Disseminate Research

3rd Year
- PhD / Doctorate
  - Thesis completion, Courses at UW or UoN

Graduate
- Write and submit application for Grant funding for Postdoctoral Research

KTRTP Education & Training Mission. Maleche-Obimbo
Short Courses & Symposia

Workshops
• Implementation Science for TB
• Grant writing & application for funding
• Manuscript writing and publishing your work
• TB diagnostics – lab, radiologic
• Childhood tuberculosis

Symposia & Conferences
• To share emerging evidence on TB generated by Kenyan and USA trainees and faculty.
• State of the art updates on TB by mentors/faculty – laboratory or clinical, epidemiologic, health service delivery, and beyond...
Who is Eligible? Diverse Disciplines: Clinical, Laboratory/Biomedical, Social Sciences

University of Nairobi (& Other Kenyan Universities)
- Academic Faculty
- Employed in Research Projects
- Postgraduate Students (intecalate)
- Postdoctoral researchers

KEMRI
- Research Scientists
- Working in Research Projects
- Postgraduate students
- Postdoctoral researchers

Ministry of Health
- Health Care Workers
- Health Informatics
Kenya Tuberculosis Research & Training Program (KTRTP) Leadership

Elizabeth Maleche-Obimbo
Professor of Paediatrics
University of Nairobi

Videlis Nduba
Senior Research Scientist
KEMRI

Thomas Hawn, Sylvia Lacourse, David Horne, Ksenia Koon. University of Washington
It’s time for action!

It’s time to END TB!