

MECOR

***PATS MECOR
2011***



Kenya Medical Research Institute
Liverpool School of Tropical Medicine
Supported by the Nuffield Foundation

10 – 14 October 2011
Nairobi, Kenya

PATS MECOR—

Measuring the Burden of Lung Disease in Africa



Masai Mara, Kenya

Brackenhurst International Conference Center

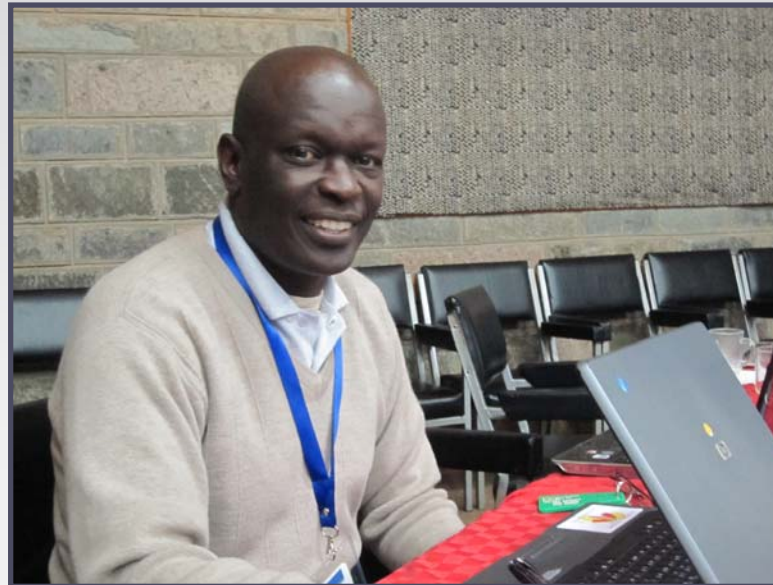


Levels 1, 2, and 3



Global Course

PATS MECOR— Our Leaders



Our Host

Evans Amukoye, MBChB

**Director, Center for Respiratory Diseases Research
Kenya Medical Research Institute**

PATS MECOR— Our Leaders



A. Sonia Buist, MD

**Oregon Health Sciences University
Director, ATS MECOR Program**



Stephen Gordon, MD

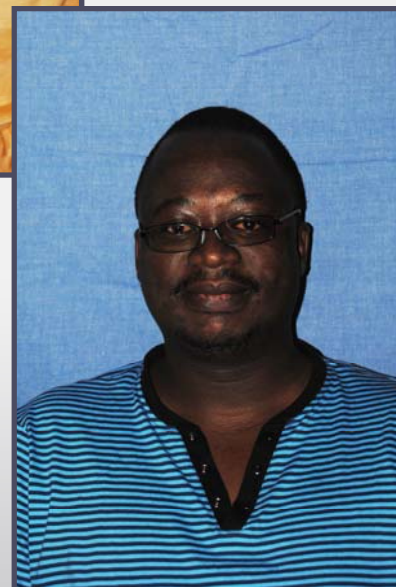
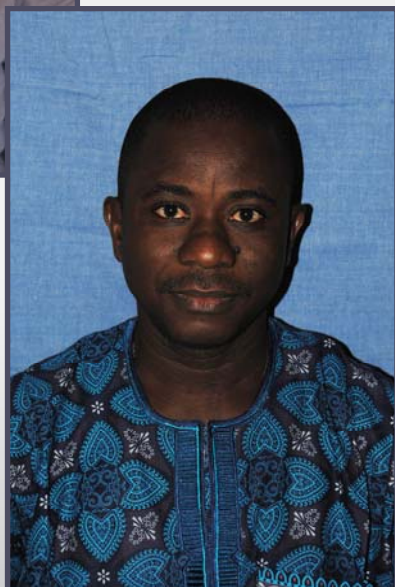
**Liverpool School of Tropical Medicine
Director, PATS MECOR**

PATS MECOR— Introductions



PATS MECOR—Our Students

Level 1



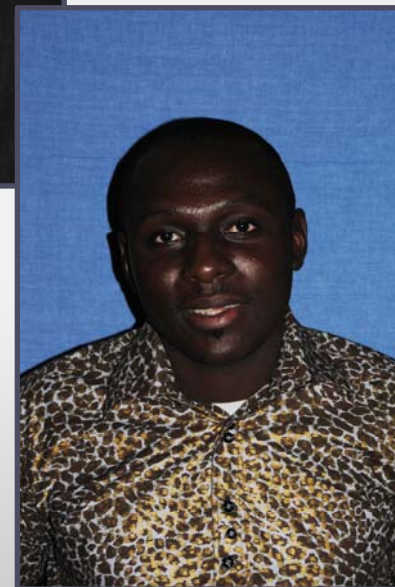
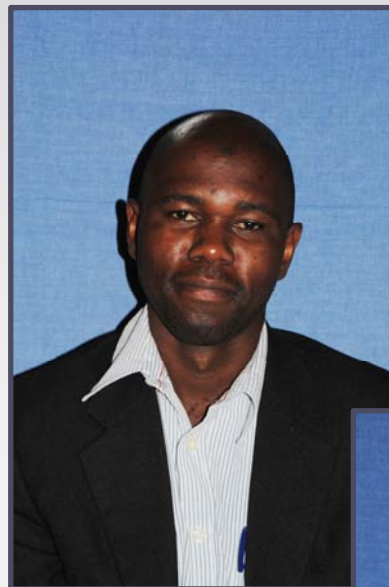
PATS MECOR—Our Students

Level 1



PATS MECOR—Our Students

Level 1



PATS MECOR—Our Students Level 1



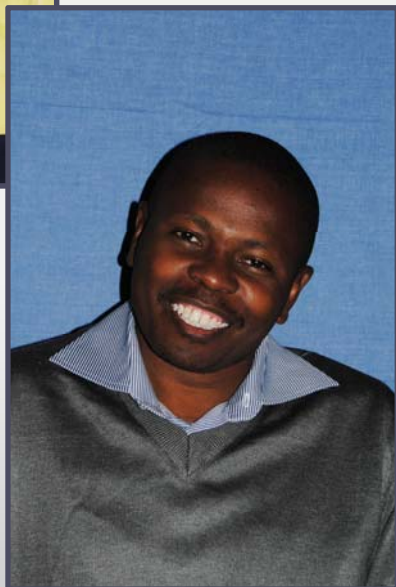
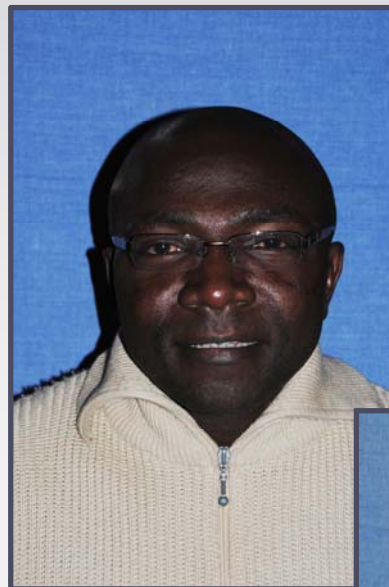
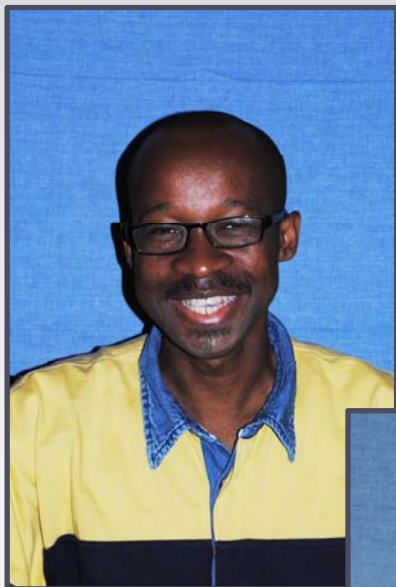
PATS MECOR—Our Students

Level 1



PATS MECOR—Our Students

Level 2



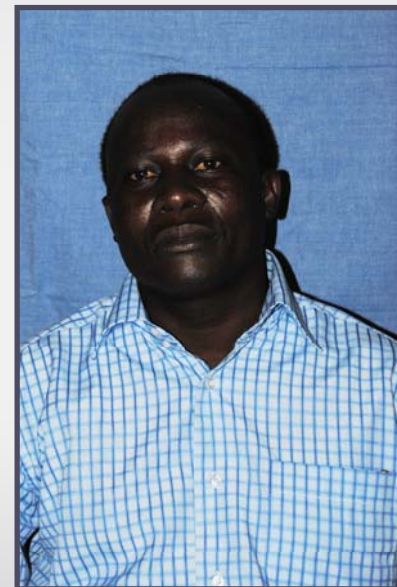
PATS MECOR—Our Students

Level 2



PATS MECOR—Our Students

Level 2



PATS MECOR—Our Students

Level 2



PATS MECOR—Our Students

Level 3



PATS MECOR—Our Students

Level 3



MECOR—Our Students

The Global Course



MECOR—Our Students Global Course



PATS MECOR— Our Faculty & Staff



PATS MECOR Hard at Work:

Our “Conversations” in Classrooms



PATS MECOR Hard at Work: Small Groups



PATS MECOR Hard at Work: Small Groups



Spirometry Training



What is the Question?

Level 1 Studies

- How can the use of mobile technology be used to improve TB treatment success rates?
- What are the MDR TB treatment outcomes in 5 African countries?
- What is the prevalence of airway obstruction and the risk factors among adults in 3 African countries?
- What is the effectiveness of maternal HAART in preventing pneumonia among their infants?

What is the Question?

Level 2 Studies

- What are the effects of wood smoke on respiratory symptoms and lung function in Cameroonian men?
- What is the knowledge and practice regarding treatment of acute asthma exacerbations among health workers in Isiolo town?
- What is the knowledge of managing acute asthma among health workers in Dodoma Municipal, Tanzania?
- What is the physiotherapy effect after thoracentesis using spirometry in pleural effusions in Cotonou, Benin?

What is the Question?

Level 2 Studies

- What is the use of oral corticosteroids for acute asthma attacks to reduce hospitalizations at the primary health care level?
- What is the impact of nebulized bronchodilator therapy on hospital admission rates for children presenting with signs of severe pneumonia?
- What is the impact of diabetes mellitus on the treatment outcome in tuberculosis patients in Ado-Ekiti, Ekiti State, Nigeria?
- What is the difference between Interferon-Gamma release assays during the treatment of active TB in HIV infected vs uninfected individuals in high endemic areas?

What is the Question?

Level 2 Studies

- What is the effectiveness of integrating TB intensified case finding in management of PLHIV in selected health facilities in Kenya, July-September 2011?
- What is the comparison of electronic to paper-based systems for tuberculosis surveillance in Kenya?
- What is the usefulness of radiographic screening for pulmonary disease in asymptomatic university students in Southwestern Nigeria?
- What is the impact of tobacco smoking on tuberculosis treatment outcome in Namibia?

What is the Question?

Level 2 Studies

- What is the use of NRIs and the risk of ototoxicity in patients concomitantly treated for DR-TB and HIV-1 infection?
- What are the factors associated with the mortality rate among TB/HIV co-infected adults on anti-TB and HAART in Borgon, Benin?

What is the Question?

Level 3 Studies

- Thiamine Deficiency: The hidden cause of hearing loss in children?
- Respiratory health effects in “Mama Olunje” exposed to cooking fuels in Nigeria
- COPD in previously treated pulmonary tuberculosis patients
- Fine needle aspiration for the diagnosis of tuberculosis lymphadenitis in children using Xpert MTB/RIF test
- Respiratory symptoms and obstructive airway disease: a comparative study among rice mill, quarry and wood workers in south eastern Nigeria
- Prevalence and factors associated with TB/COPD and asthma among PLHIV attending Nyanza and Kakuru provincial general hospitals (Kenya)

What is the Question?

MECOR Global Course Studies

- Risk factors associated with smokeless tobacco use and cigarette smoking among teenagers in a suburban community of Nigeria
- Pharmacologic response patterns to HAART and increased risk of tuberculosis among adults with HIV: a cohort study
- Predictive value of the Turkish track questionnaire as a measure of asthma control in preschool aged children
- The impact of erythromycin on STREM in children with HIV-related bronchiectasis: a randomized controlled trial
- HIV infection and surveillance for prevention of mother-to-child transmission among mother-infant pairs attending immunization clinics in Ibadan, Nigeria

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What is the Question?

MECOR Global Course Studies

- HIV screening and surveillance for prevention of mother-to-child transmission among mother-infant pairs attending immunization clinics in Ibadan
- Physiology of walking in healthy adults aged 40 years and older, part 1: the incremental shuttle walk test
- Predictivity of total parenteral nutrition and nosocomial infection for mortality among ICU patients with sepsis

PATS MECOR— Our Course Presentations



PATS MECOR— Successes

Ngozi Onyeagwara,
Benin City, Benin



Kingsley Ukwaja,
Nigeria
2010 PATS MECOR Small Grant Award



PATS MECOR— Successes

Ozge Yilmaz,
Turkey
ATS MECOR Research Award

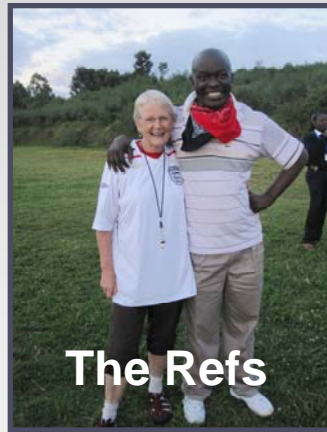


Bamidele Adeniyi,
Teaching Assistant—Level 1
ATS MECOR Research Award



PATS MECOR--Sports. . .

“The 2nd Annual PATS MECOR Soccer Game”



PATS MECOR--Sports

“The 2nd Annual MECOR Soccer Game”



PATS MECOR—Level 1



PATS MECOR—Level 2



PATS MECOR—Level 3



MECOR—Global Course



Spriometry Training



PATS MECOR 2011



PATS MECOR— Acknowledgements

- The Nuffield Foundation (UK) provided the primary support for the 2011 PATS MECOR Course
- Additional support was provided by:
 - Kenya Medical Research Institute
(In partnership with the University of Nairobi and the Division of Tuberculosis and Lung Disease)
 - Liverpool School of Tropical Medicine
 - EDCTP through the TB-NEAT Consortium
 - American Thoracic Society

Our sincere thanks to all who believe in the MECOR mission and support this program

PATS MECOR

“Improving global lung health in Africa through development of local, country and regional lung disease research capacity”



“Asante sana”