

**MECOR**

# ***PATS MECOR 2012***



**Pan African Thoracic Society – American Thoracic Society  
and the  
Kenya Medical Research Institute  
Liverpool School of Tropical Medicine**



**10 – 14 September 2012  
Nairobi, Kenya**

# PATS MECOR 2012—

## Measuring the Burden of Lung Disease in Africa

The  
countries of  
PATS  
MECOR  
2012



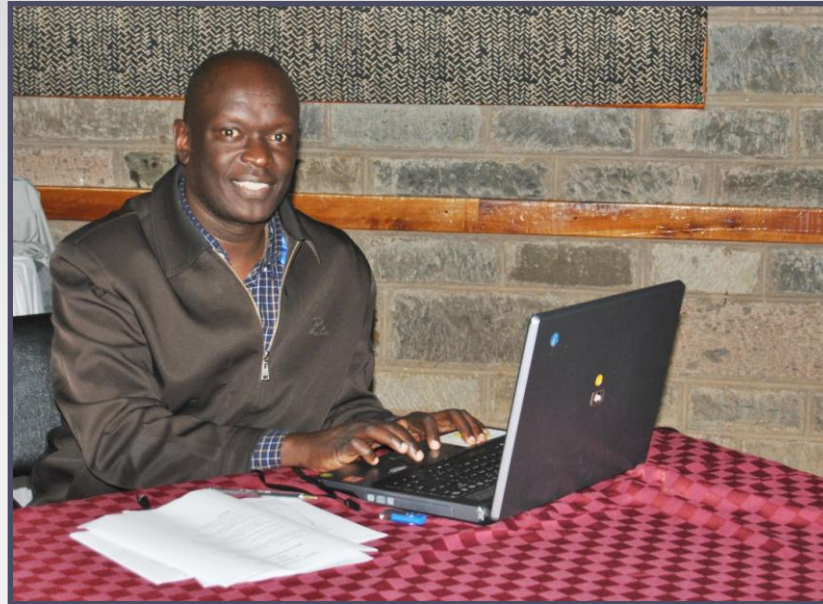
# PATS MECOR 2012— Where we met



Brackenhurst International  
Conference Center



# 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**



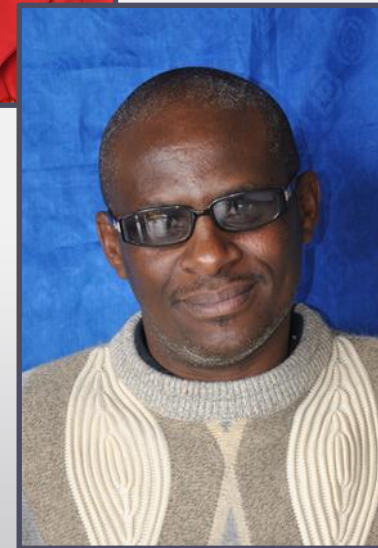
# PATS MECOR— Introductions



# PATS MECOR—Our Students Level 1

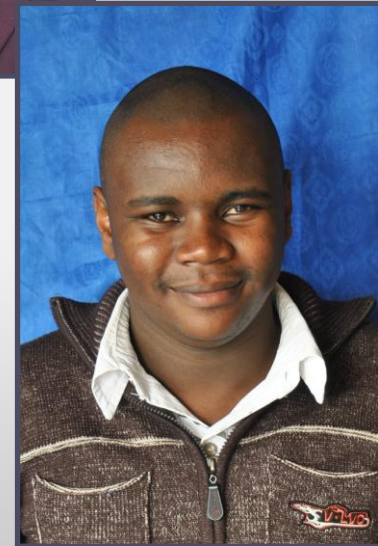


# PATS MECOR—Our Students Level 1





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# PATS MECOR—Our Students

## Level 2



# PATS MECOR—Our Students Level 2

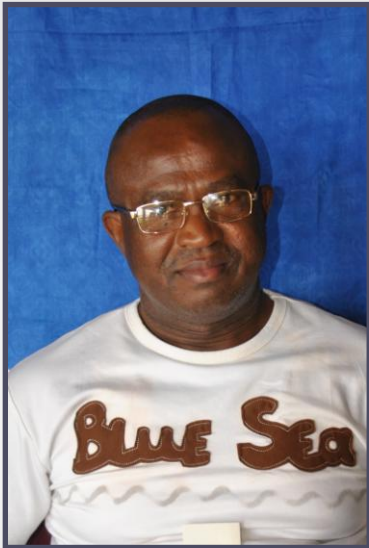


# PATS MECOR—Our Students

## Level 2



# PATS MECOR—Our Students Level 2



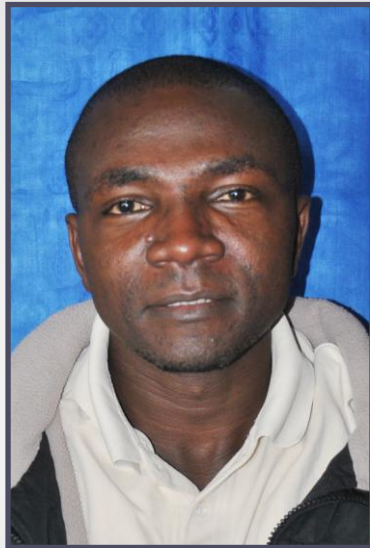


# PATS MECOR—Our Students

## Level 3



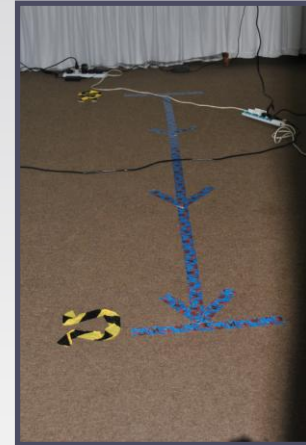
# PATS MECOR—Our Students Level 3



# PATS MECOR— Our Faculty & Staff



# PATS MECOR Hard at Work: Our “Conversations” in Classrooms

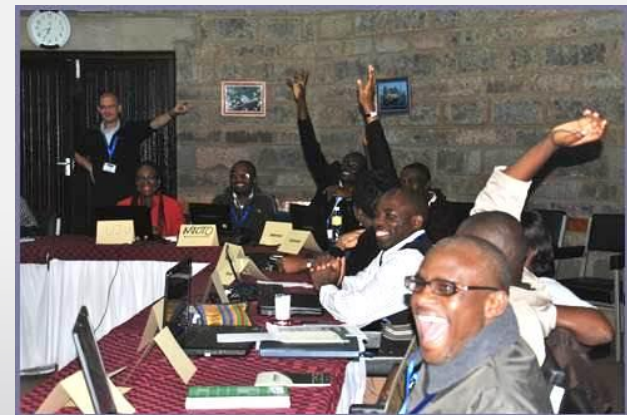


# PATS MECOR Hard at Work: Our “Conversations” in Classrooms



# PATS MECOR Hard at Work: Our “Conversations” in Classrooms

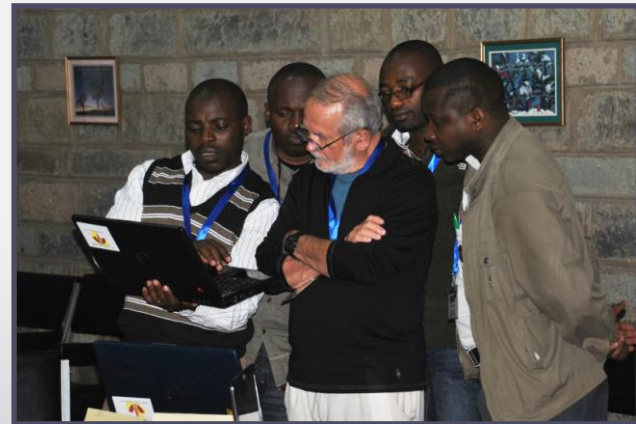
## The “pop” quiz



# PATS MECOR Hard at Work: Small Groups & Consultations



# PATS MECOR Hard at Work: Small Groups & Consultations





# Spirometry Training



# PATS MECOR— Successes

Research Project: Mobile phone technology in survey of airflow obstruction in 2 African countries (I. Alphonsus, I. Herve)

Degree: MSc Infectious Diseases (A. Kpangon)



# What is the Question?

## Level 1 Studies

- Obstructive Sleep Apnea Risk Among Hypertensive and normotensive Patients in 5 Hospitals
- Knowledge, Attitudes and Practice Regarding COPD Diagnosis and Treatment in GPs and Pulmonologists in Kenya and Nigeria
- HIV Co-Infection as a Risk Factor for Spirometric Abnormalities after TB
- Effect of Adverse Drug Reaction to Treatment Outcomes of MDR TB Patients at High Risk in 3 Hospitals (DR Congo, Kenya, Tanzania)
- The Burden of Obstructive Lung Disease Among HIV Positive Adults in Kenya and Nigeria



# What is the Question?

## Level 2 Studies

- Prevalence of Asthma in Children Attending Kerugoya District Hospital Pediatric Outpatient Clinic in Central Kenya
- Prevalence of Asthma in Lumbashi (Katanga), A Mining Area, Through an ISAAC Study
- What are the Determinants of Non-Response to Antibiotics in Children Under 5 Hospitalized for Pneumonia in a Tertiary Hospital in Nigeria
- What is the Change in FEV1 During Acute Exposure to Organophosphorus Pesticides Among Cotton Farmers in Benin Republic



# What is the Question?

## Level 2 Studies

- Does Use of an Algorithm Reduce Diagnostic Time for MDR TB Patients at High Risk Of MDR TB
- Evaluation of the Awareness of National Control Program on TB/HIV Co-Infection Among Primary Care Physicians in Ebonyi State, Nigeria
- Lung Function Abnormalities and Associated Factors in Adults with HIV Infection in a Tertiary Hospital
- Community Participation in Alcohol and HIV Collaborative Activities; Constraints, and Costs for Enhancing the Integration of Alcohol and HIV in Programs in a Semi-Urban Area of Botswana



# What is the Question?

## Level 2 Studies

- What is the Respiratory Muscle Strength in COPD versus Normal Controls
- Prevalence of Drug Resistant TB Among Patients Receiving Treatment for TB in Namibia
- Auditory Impact of Combined Anti-TB and Anti-Retroviral Therapy in Co-Infected Patients
- What is the Parental Knowledge, Beliefs, Management Practices, and Information Sources Concerning Fever in Children Under 6 Years Old

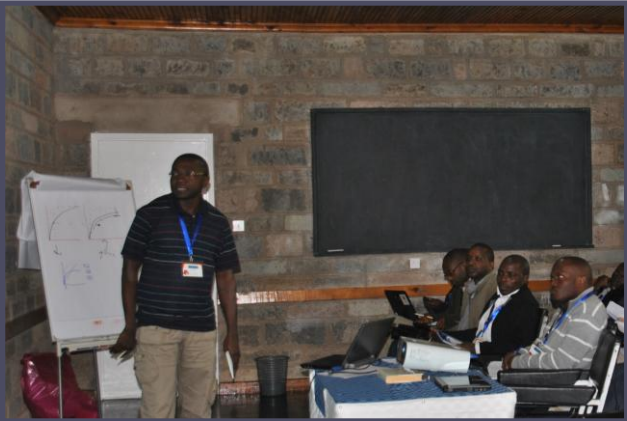
# What is the Question?

## Level 3 Studies

- What is the Influence of ARVs on the Risk of Aminoglycoside-Induced Hearing Loss in Patients Concomitantly Treated for MDR TB in Namibia
- What are the Screening Criteria and Predictors of TB Among HIV Patients in Benin
- What is the Waiting Time for Radiological Services in the Nigerian Tertiary Care Hospital System
- What are the Determinants of Hospital Mortality in Adults with CAP in SE Nigeria; a 5 Year Multi-Center Study Case Control Study
- Prevalence of Lung Function Disorders Among Quarry Workers in Edo State, Nigeria



# PATS MECOR— Our Course Presentations





# PATS MECOR--Sports. . .

## “The 3rd Annual PATS MECOR Soccer Game”



# PATS MECOR--Sports...

## “The 3rd Annual PATS MECOR Soccer Game”

Black Bandanas: 3 Goals

Green Bandanas: Zero Goals



# PATS MECOR--Sports

“The bandanas of MECOR”



# PATS MECOR—Level 1



# PATS MECOR—Level 2



# PATS MECOR—Level 3



# Spriometry Training



# PATS MECOR 2012





# PATS MECOR— Acknowledgements

PATS and ATS are the sponsors of the PATS MECOR 2012 in  
Brackenhurst, Kenya

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American Thoracic Society

The Pan African Thoracic Society and the American Thoracic Society acknowledges and  
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and his colleagues at the Kenya Medical Research Institute,

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and  
Division of Tuberculosis and Lung Disease  
Liverpool School of Tropical Medicine

Our sincere thanks to all who share the vision and support of the *ATS MECOR Program*

## PATS MECOR 2012

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Jane Ardrey, PATS Secretariat  
Fran Du Melle, ATS Staff



# PATS MECOR

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

