2\textsuperscript{ND} MEETING OF THE H3AFRICA CONSORTIUM

16 – 18\textsuperscript{TH} MAY,
LA PALM ROYAL BEACH HOTEL
ACCRA. GHANA
Outline

• Network
• Governance
• Management
• Aims and Objectives
• Design and Methods
• Challenges and Issues
• Acknowledgement
H3Africa Diabetes: NETWORK

UK:
- WTSI/UC
- UO.
- LSHTM

USA:
- CRGGH, NIH
H3Africa Diabetes: GOVERNANCE

INDEPENDENT ADVISORY BOARD

SENIOR MANAGEMENT TEAM:
PIs + Co Investigators + Senior Researchers:

Expert Advice on Science and Capacity

Operational Management

Data Sharing
H3Africa Diabetes: Scientific Objectives

CCT1: Networking and management

CCT2: Epidemiological design and statistical analysis

CCT3: Bioinformatics

CCT4: Genomics and statistical genetics

CCT5: Capacity building

CCT6: Bioethics

SO1: Assess burden and spectrum of T2D in adults

SO2: Investigate environmental and genetic determinants of T2D

SO3: Characterise prevalence and distribution of microvascular complications

SO4: Study environmental and genetic determinants of microvascular complications
H3Africa Diabetes: Design and Methods

Multiple Strategies

Sequencing of known T2DM regions
Genome-wide genotyping arrays and
Whole exome/genome sequencing

12,000 T2D Cases
12,000 Controls
Capacity Building

Clinical Research
Epidemiology including genetic epidemiology

Genomic Science
Laboratory Methods

Bioinformatics
Biostatistics including Statistical Genetics

Bioethics:
Research Methodology

Grant Administration

Career Development

Leadership Training:
Short Courses/Internships
Short Attachments
Masters
Doctorates

Infrastructure/Biorepository

Network Equipment
Software
Challenges
Issues Going Forward

• Finance: Overheads, Central Fund
• Ethics: Results to Subjects; Banking of samples
• Science:
  1. Harmonized Generic data capture tool adaptable with approved local content
  2. Sampling frame: Cases and Controls from same geographic area
  3. Complications: To be limited to a few sites, cost constraints.
“the PI institution to receive overheads on the proportion of the grant allocated to the PI’s institution” and

“that all subcontracts to other African institutions should receive the equivalent proportion of the overheads less some administrative costs”
Acknowledgement

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