

PROGRAM

African Society of Human Genetics (AfSHG)

Addis Ababa, ETHIOPIA

JUNE 3 - 5, 2006

Day 1

Session 1 Opening and Keynote lecture

- 08.00 – 08.10 Opening remarks: Dr. Yewondwossen Tadesse, President
Ethiopian Medical Association
- 08.10 – 08.20 Opening remarks: Professor Charles Rotimi, President
African Society of Human Genetics
- 08.20 – 08.30 Opening remarks: Professor Beyene Petros
- 08.30 -09.30 **Keynote Presentation:** Kari Stefansson (Decode Genetics, Iceland)
Introduction of the Keynote Speaker by the President of AfSHG

Session 2 Understanding Human Ancestries (Chair: B. Ely/E.Bekele)

- 09.30 – 09.50 Human Ancestries and Migration: The Genographic Project
Himla Soodyall (University of Witwatersrand, South Africa)
- 09.50 -10.10 The use of genetic and non-genetic factors in reconstructing African ancestries (including
the African Diaspora) Fatimah Jackson (University of Maryland, USA)
- 10.10 -10.30 The genetic structure of human populations in Africa
Floyd Reed (University of Maryland, USA)
- 10.30 -10.45 **Break**
- 10.45 -11.05 Genetic Diversity and Diseases: What could be learnt from the Y chromosome?
Muntaser Ibrahim (University of Khartoum, Sudan)
- 11.05 -11.15 *East African population relationships based on SNPs
S Kajuna (Hubert Kairuki Memorial University, Dar es Salaam. Tanzania)
- 11.15 -11.25 *Paternal history of linguistically diverse East African populations
J Hirbo (University of Maryland, USA)
- 11.25 -12.25 Workshop on New Advances in Molecular Anthropological Genetics
Fatimah Jackson, Bert Ely
(University of Maryland and University of South Carolina, USA)
- 12.25 -13.00 Panel Discussion – all presenters to the podium
- 13.00 -14.00 **Lunch**

Session 3 Genomics of Communicable Diseases (Chair: G.Sirugo/O.Doumbo)

- 14.00 -14.20 Genetics of Mycobacterial Diseases
Erwin Schurr (McGill University, Montreal, Canada)
- 14:20 -14:40 Genetics and Infectious Disease in the Gambia
Giorgio Sirugo (MRC Labs, The Gambia)
- 14.40 -15.00 Genomics of Malaria and Dengue Fever
Cecile Julier (Institut Pasteur, Paris, France)
- 15.00 -15.10 **Break**
- 15.10 -15.30 Sickle Cell Genomics
David Modiano (Universita "La Sapienza", Rome, Italy)
- 15.30 -15.40 *Host genetics and clearance of drug-resistant falciparum malaria
A Djimde (University of Bamako, Mali)
- 15.40 -15.50 *Patterns of polymorphism data in the beta-globin region in two ethnically distinct populations in a malaria endemic area of eastern Sudan
Abeer Elzein (Institute of Endemic Diseases, Khartoum, Sudan)
- 15.50 -16.00 **Break**

16.00 – 19.00 Social: Visit National Museum, Lucy and reception at Museum

Day 2

- 07.30 – 08.30 Early bird teaching session – Research Methodology I

Mapping Complex Traits Facilitators – Joseph Beyene (Toronto University), Nicole Walley (Duke University) and Scott Williams (Vanderbilt University)

Session 4 Genomics of Non-communicable Diseases (Chair R.Ramesar/M.Ibrahim)

- 08.30 – 09.30 **Keynote Presentation – Cancer Genomics**
Sir Walter Bodmer (Oxford University, UK)
- 09.30 -10.00 Translating high technology research into a sustainable genetic service: Familial Cancer Genetics in South Africa
Raj Ramesar (University of Capetown, South Africa)
- 10.00 -10.30 Molecular Epidemiology of Cardiomyopathy in Africa
Bongani Mayosi (University of Capetown, South Africa)
- 10:30 -10:45 **Break**
- 10.45 -11.05 Variation in arterial thrombosis: risk factors in a Ghanaian population
Scott Williams (Vanderbilt University, USA)
- 11.05 -11.25 Genetic Epidemiology of Diabetes and Related Complications.
The Africa America Diabetes Mellitus (AADM) Study
Charles Rotimi (Howard University, USA)

- 11.25 -11.45 Genetics of Podoconiosis
Gail Davey (Addis Ababa University, Ethiopia)
- 11.45 -11.55 *Genetic analysis of BRCA1 in Nigerian breast cancer patients
J Fackenthal (University of Chicago, USA)
- 11.55 -12.05 *Genetic and Environmental determinants of the metabolic syndrome among Arabs of
the Oman Family Study
Riad Bayoumi (Sultan Qaboos University, Oman)

12.05 -14.00 **Lunch and poster viewing**

Session 5 Application of Human Genetic Variation (Chair: D. Bentley/H. Soodyall)

- 14.00 -14.40 Genetic Basis of Drug Response: Will Tomorrow's Medicine Work for Everyone?
Nicole Walley/David Goldstein (Duke University, USA)
- 14.40 -15.00 The promise of Whole-genome Admixture Mapping for Complex Diseases
Adebowale Adeyemo (Howard University, USA)
- 15.40 -15.25 The Ethiopian Human Genetic variation programme
N Bradman (University College, London, UK) and Professor Endashaw Bekele
(Addis Ababa University, Ethiopia)
- 15.25 -15.35 *Establishing a pharmacogenetics database of African populations
Alice Matimba (African Institute of Biomedical Science and Technology, Zimbabwe)
- 15.35 -15.45 *Establishing a Biobank of African populations
Collen Masimirebwa (African Institute of Biomedical Science and Technology, Zimbabwe)
- 15.45 -16.00 **Break**

16.00 – 18.00 Society Annual General Meeting – All members (Chair: Melanie Newport)

- 18.00 – 19.00 Refreshment and poster viewing**
- 19.00 – 22.00 Society Dinner – Traditional Ethiopian Dance Group**

Day 3

- 07.30 – 08.30 Early-bird Teaching Session, Research Methodology II
- Using HapMap Data – A. Adeyemo (Howard University)
David Bentley (Solexa, Chesterford, UK) Charles Rotimi (Howard University)

Session 6 Ethics of Genetic Epidemiology Research

- 08.30 – 08.50 Clinical Human Variation in Health Disparities Research: From population-based to
personalized medicine.
G. Dunston (Howard University)
- 08.50 – 09:10 Engaging Africans for the International HapMap project
Charmaine Royal (Howard University, USA)

09.10 – 09.30	Neologisms, genetic concepts and informed (or understood) consent: Whither Africa? Olayemi Omotade (University of Ibadan, Nigeria)
09.30 – 09.45	Break
09.45 – 09.55	*The flow of science knowledge from the laboratory to members of the public in Nigeria O Latinwo (Akintola University, Nigeria)
09.55 – 10.05	*Knowledge and attitudes concerning medical genetics amongst physicians and medical students in Cameroon Ambroise Wonkam (Yaounde University, Cameroon)
10.05 – 10.15	*Perceived causes of complex diseases in the community: a case study of hypertension from South West Nigeria P Osamor (University of Ibadan, Nigeria)
10.15 -10.25	*Polymorphism of the endothelial nitric oxide synthase gene is associated with diabetic retinopathy in a cohort of West Africans Yuanxiu Chen (Howard University, USA)
10.25 – 10.35	*Lactase persistence in sub-Saharan Africa D Swallow (University College London, UK) and Professor Endashaw Bekele (Addis Ababa University, Ethiopia)
10.35 – 10.45	*Durable vaccine induced immunity to hepatitis B virus infection in The Gambia Branwen Henning (London School of Hygiene and Tropical Medicine, UK)
10.45 -11.05	Cytogenetic and Molecular Data on Disorders of Abnormal Sexual Development: The Egyptian Experience Yehia Zakaria Gad (National Research Centre, Cairo, Egypt)
11.05 -11.15	Break
11.15 -12.15	Keynote Presentation – Advances in Genomic Technology: Implications for Scientists in Developing Countries David Bentley (Solexa, Chesterford, UK)
12.15 -12.30	Concluding Remarks: Professor Charles Rotimi (Howard University, USA)
12.30 -12.45	Concluding Remarks: Professor Endashaw Bekele (Addis Ababa University, Ethiopia)
12.45 – 14.00	Lunch
14.00 - 18.00	Tour of the City of Addis Ababa
19.00 - 22.00	Group Dinner