



AGENDA

**13th Conference of the African Society of Human Genetics &
18th Meeting of H3Africa Consortium**

Virtual Conference

"Genomics and translational research to improve health in Africa"

Day 1: 1st September 2021		
- Young Investigators' Forum		
Time (CAT)	Chair	Title
6:50 – 7:00	Mohamed Zahir (M) & Aneth David (F)	Welcome note (Dr. Siana Nkya, TSHG president)
7:00 – 7:30		Opening Speaker (McKusick Short course for Human and Mammalian Genetics, Prof Charlie Wray)
7:30 – 8:00	Tea break	
8:00 – 12:00	Dr. Samson Kilaza & Dr. Vicky Nembaware	Ensembl workshop
12:00 -13:00		Lunch break
13:00 – 15:00		Poster viewing
15:00-15:45	Khuthala Mnika (F) & Ismael Adolf (M)	Poster Speed Presentations (15 presentations, 3 minutes each)

Day 2: 2 nd September 2021		
Joint H3Africa/AfSHG		
Time (CAT)	Title	
10:00-11:00	Poster viewing	
11:00-12:00	Conference Partners exhibitions; 54gene, Illumina, Inqaba	
Session 1: Opening Ceremony: Plenary session 1		
Time (CAT)	Chairs	Title
12:00 – 12:20		Registration
12:20-12:40	Prof. Christian Happi & Prof. Julie Makani	Welcome of the Tanzania Society of Human Genetics <i>Dr. Siana Nkya</i>
12:40-13:00		Welcome of the AfSHG President <i>Prof. Ambroise Wonkam</i>
13:00-13:20		Welcome of the H3Africa (Prof. Christian Happy, Chair H3Africa Consortium)
13:20-14:00		Speeches Government officials - Tanzania
14:00-15:00		<p>Launching of ‘The <i>Lancet Haematology Series: priorities in haematological care in sub-Saharan Africa</i>’</p> <ol style="list-style-type: none"> 1. Overview from the Series Lead (Prof Julie Makani), University of Health and Allied Sciences, Dar-es- Salaam, Tanzania (10mins) 2. Iron-deficiency anaemia – Dr Martin Mwangi, School of Public Health and Family Medicine, University of Malawi, Blantyre, Malawi (10mins) 3. Blood cancer - Prof Jackson Orem, Uganda Cancer Institute, Kampala, Uganda (10mins) 4. Sickle Cell Disease - Prof Ambroise Wonkam, Department of Medicine, University of Cape Town, Cape Town, South Africa (10mins) 5. Blood transfusion - Dr Yvonne Dei Adomakoh, Department of Haematology, University of Ghana Medical School, Accra, Ghana (10mins) 6. Questions and Answers (10mins)
15:00 – 15:30	Tea-Break/ Poster viewing	
Plenary Session 2		
15:30-16:30	Prof. Michele Ramsay & Prof. Raj Ramesar	Genetics of Host-Pathogen Co-evolution <i>Prof. Scott Williams</i>

Parallel Session 1: Population Genetics		
16:30-17:00	Prof. Ghada Kamah & Dr. Ademowale Adeyomo	Invited Speaker: Genetic variation in African Populations: Migration, admixture and selection. <i>Prof. Ananyo Choudhury (H3Africa)</i>
17:00-17:30		Phenotype and genotype of inherited retinal disorder in Democratic Republic of Congo (DRC): Dr Nadine Nsiangani Lusambo
17:30-18:00		Spectrum of genetic diseases in Tunisia: current situation and main milestones achieved: Nessrine Mezzi
Parallel Session 2: Translational Research and Pharmacogenomics		
16:30-17:00	Prof. Scott Williams & Prof. Karim Manji	Invited Speaker: Translational research for Childhood Complex Disease <i>Prof Neil Hanchard (NIH)</i>
17:00-17:30		Construction of Hepatitis C Virus Infectious Molecular Clones from Cameroonian Isolates: an approach for vaccine development: Prof Marceline Djuidje Ngounoue
17:30-18:00		Dilemma in Genomics Risk Prediction: African Polygenic Risk Scores may enable generalizability and Clinical Utility: Prof Emile Chimusa
18:15- 19:00	Dr. Vicky Nembaware & Rolanda Julius	Minute mentoring

Day 3: 3rd September 2021		
Time (CAT)	Title	
9:00-10:00	Conference Partners exhibitions; 54gene, Illumina, Inqaba	
10:00-11:00	Poster viewing	
Plenary Session 3		
Time (CAT)	Chairs	Title
11:00-11:30	Prof. Ambroise Wonkam & Prof. David Valle	Data Science and Genomics in Africa <i>Prof. Nicola Mulder (H3Abionet)</i>
11:30 – 12:00		Teaching the Genome Generation <i>Dr Charles Wray</i>
12:00-13:00		54gene overview

Parallel session 3: Developmental Disorders in Africa		
13:00-13:30	Prof Dr. Rokhaya Ndiaye & Dr. Amadou Gaye	Invited Speaker: Deciphering Developmental Disorders in Africa (DDD-Africa) – Evaluating Clinical Exome Sequencing in an African Setting <i>Prof. Zane Lombard</i>
13:30-14:00		Invited Speaker: Genetic Diagnosis of Developmental Diseases <i>Prof. Leon Mutesa</i>
14:00-14:30		Genetics of spinal muscular atrophy in the Malian population: Aissata Toure
14:30-15:00		Identifying Chromosomal abnormalities in patients with suspected congenital disease in Senegal: Dr Andréa Régina Gnilane SENE
15:00 – 15:30		Tea-Break/Poster viewing
Parallel Session 4: Cancer Genetics and Genomics		
13:00-13:30	Dr. Aleesha & Dr. Vicky Nembaware	Invited Speaker: Cancer Genomics Research in Africa <i>Prof. Funmi Olapade</i>
13:30-14:00		Invited Speaker: Hereditary or familial colorectal cancer <i>Prof. Rolf Sijmons</i>
14:00-14:30		A founder pathogenic variant of BRCA1 gene associated with early onset breast cancer in Senegal: Dr Jean Pascal Demba
14:30-15:00		Chlamydia trachomatis infection in cervical abnormalities: Laila Ferrera
Parallel Session 5: Genetics of Rare Diseases		
15:30-16:00	Prof. Rolf Sijmons & Dr. Aimé Lumaka	Invited Speaker: Genodermatosis as an example of rare but relatively common in consanguineous populations <i>Prof. Ghada El Khama</i>
16:00-16:30		Invited Speaker: Neurogenetics <i>Prof. Guida Landoure</i>
16:30-17:00		Perching syndrome: clinical presentation of the first African patient: Dr Prince Makay
17:00-17:30		CAV3 variants in a large family with Limb-Girdle-Muscular-Dystrophy from Mali: Mahamadou Kotioubme

Parallel Session 6: Community engagement & Ethical, Legal and Social Implications		
15:30-16:00	Prof. Himla Soodyall & Dr. Paulina Tindana	Invited Speaker: Community Engagement in Genomics Dr. Syntia Nchangwi
16:00-16:30		Experience from AKRDF & Lupus Warriors
16:30-17:00		Experience from Sickle cell patients' communities
17:00-17:30		Trauma related and neutral false memories and associated biological markers in patient with post-traumatic stress disorders following exposure to 1994 genocide against the Tutsi: Clarisse Musanabaganwa
17:45-18:30	Dr. Vicky Nembaware & Rolanda Julius	Minute mentoring

Day 4: 4th September 2021		
Plenary Session 4		
Time (CAT)	Title	
9:00-10:00	Poster viewing	
10:00-11:00	Conference Partners exhibitions; 54gene, Illumina, Inqaba	
11:00-12:00	Side meeting (Invited only)	
Time (CAT)	Chairs	Title
12:00 – 12:30	Prof. Sekou F Traore & Dr. Deus Ishengoma	Genomics of HIV, Ebola and COVID19 in Africa Prof. Christian Happi
12:30-13:00		Genetics of Cardiovascular Diseases Dr. Segun Fatumo
Parallel Session 7: Genetics of Infectious Disease		
13:00-13:30	Prof. Sekou F Traore	Invited Speaker: Genetic and Environmental Determinants of Host Response in Malaria Prof. Youssef Idaghdou

13:30-14:00	& Prof. Scott Williams	EcoR1 Polymorphism of Apoprotein B100 Gene's Exon 29 and Lipid Profile in HIV infected patients: Dr Fatoumata Kone
14:00-14:30		Detecting and assessing the epidemiology of asymptomatic malaria in regions of sub-Saharan Africa: Jasmine Olvany
14:30-15:00		Assessment of prevalence of tuberculosis and diversity of mycobacterium tuberculosis complex species in Manyara region
15:00 – 15:30	Tea break	
Parallel Session 8: Genetics and Genomics of Non-Communicable Diseases		
13:00-13:30	Prof. Mamadou Welle Diallo & Dr. Deus Ishengoma	<i>Invited Speaker: Genetic Analysis in Mendelian Disorders</i> Dr. Horia Stanescu
13:30-14:00		Loss of Solute Carrier Family 7 Member 8 (SLC7A8) is protective against diet-induced obesity and attenuates adipocyte hypertrophy and inflammation at different fat depots: Reabetswe Pitere
14:00-14:30		Bi-Allelic Novel Variants in CLIC5 Identified in a Cameroonian Multiplex Family with Non-Syndromic Hearing Impairment: Edmond Wonkam
14:30-15:00		HLA-G polymorphisms and their underexplored oncological implications in African populations: Ismael Adolf
Plenary Session 5		
Time	Chairs	Title
15:30-16:00	Prof Michele Ramsay	Future of the Genetics of Sickle Cell Disease Prof. Solomon Ofori Acquah
Sickle Cell Disease and Other Hemoglobinopathies		
16:00-16:30	Dr. Gaston Mazandu & Prof. Julie Makani	<i>Invited Speaker: Pharmacogenomics of Sickle Cell Disease:</i> Dr. Aimé Lumaka
16:30-17:00		Heavenlight Christopher: Using DNA testing for the precise, definite, and low-cost diagnosis of Sickle Cell Disease and other Haemoglobinopathies.
17:00-17:30		Florence Urio: F cell numbers are associated with an X-linked genetic polymorphism and correlate with hematological parameters in patients with sickle cell disease

Plenary Session 6: Closing Ceremony		
Time	Chairs	Title
17:30-17:40		Prof Khalid Sadki: 2022 AfSHG meeting
17:40-18:00		Closing of Meeting and Prize Giving