

11th Congress of the African Society of Human Genetics

12th Human Heredity and Health in Africa Meeting

Theme: Building skills and resources for genomics, epigenetics and bioinformatics research for Africa

Day 1 (Joint AfSHG and H3Africa) Wednesday 19 th September		
From 7h30	Registration	
9h00-11h00	Opening Session - Chair: Leon Mutesa	
9h00	Local Organizing Committee Chair	Leon Mutesa
9h10	H3Africa Steering Committee Incoming - Chair	Nicola Mulder
9h20	AfSHG President	Michele Ramsay
9h30	Vice Chancellor, University of Rwanda	Phil Cotton
9h40	Guest of Honor: Minister of Health	Diane Gashumba
Plenary 1		
10h00	The Human Genome Project was just the beginning: Research Opportunities and Priorities at 'The Forefront of Genomics'	Eric Green (USA)
11h00	Tribute to Bogani Mayosi	Raj Ramesar (South Africa)
11h20-12h00	Tea break, Poster viewing & Trade exhibition	
Session 1 - African population genetics - Chairs: Charles Rotimi / Jacob Soupgoui		
12h00	High-Depth Genome Sequencing in Diverse African Populations informs Migration History and Disease-mapping in sub-Saharan Africa	Neil Hanchard (USA)
12h30	Out of Africa: a genetic predisposition?	Lucien Koulischer (Belgium)
13h00-14h00	Lunch, Promega symposium, Poster viewing & Trade exhibition	
Session 2 - Bioinformatics training and young researchers - Chairs: Vicky Nembaware and Clarisse Musanabaganwa		
14h00	Building Bioinformatics Skills in Africa through H3ABioNet	Nicola Mulder (South Africa)
14h30	Addressing Cancer Treatment in an African Setting: A Bioinformatics Analysis of Pharmacogenomically Relevant Variants	Jorge da Rocha (South Africa)
14h45	Genetic Dating and Pattern of Admixture in Modern Human Evolution	Joel Defo (South Africa)
15h00	Gene Expression Profiling of Breast Cancer in Moroccan Women	Salah Eddine Ayoubi (Morocco)
15h15	Germline Mutations In Young Rwandan Women with Breast Cancers	Jeanne P. Uyisenga (Rwanda)
15h30-16h00	Tea break, Poster viewing & Trade Exhibition	
Session 3 - H3Africa consortium showcase - Chairs: Jennifer Troyer and Audrey Duncanson		
16h00	Genetics of rare diseases: bringing Africa to light	Guida Landoure (Mali)
16h15	Genetic And Environmental Contributions to Obesity in African Populations: the H3Africa AWI-Gen Study	Michele Ramsay (South Africa)
16h30	Genomic Surveillance and Characterization of Microbial Threats in West Africa	Christian Happi (USA/Nigeria)
16h45	Ethics Engagement In H3Africa: Developing Consent and Ethics Guidelines for African Genomics Research and Biobanking	Jantina de Vries (South Africa)
17h00	African Academy of Sciences Open Research Publishing Platform	Elizabeth Marincola (Kenya)
17h30 - 18h45	Panel Discussion 1: Sustainability of Genomics and Human Genetics in Africa (Facilitators: Raj Ramesar and Dwomoa Adu)	
19h00	Cocktail & Networking (Kigali Convention Centre)	

Day 2 Thursday 20 th September 2018		
From 7h30	Registration	
08h00	Workshop 1: Challenges in publishing from Africa (Facilitators: Elizabeth Marincola and Michele Ramsay)	
09h00-10h15	Session 4 - Epigenomics and Functional Genomics - Chairs: Ambroise Wonkam and Leon Mutesa	
09h00	Epigenomics of traumatic stress in human populations	Monica Uddin (USA)
09h30	Epigenetic Effect on Skewed X-inactivation in balanced and unbalanced X chromosome abnormalities	Amal Mahmoud Mohamed (Egypt)
09h45	Transcriptome Signature of Hypertension in African Americans: Findings from Machine Learning	Amadou Gaye (USA/Senegal)
10h00	Trauma on our genes: The role of traumatic life events on miRNA expression in differential pain profiles	Paule Joseph (USA)
10h15-11h00	Tea break, Poster viewing & Trade Exhibition	
11h00-12h30	Session 5 - Genomics of Rare Diseases - Chairs: Solomon Ofori-Acquah and Stefan Jansen	
11h00	Integrative genomic approaches to study in vivo host response to Plasmodium infection	Youssef Idaghdour (USA)
11h30	Addressing the Holoprosencephaly etiology at the functional genomic levels using laboratory animal models	Jacob Souopgui (Belgium)
12h00	Some current issues for NGS variants classification in rare diseases in Africa	Aime Lumaka (DRC)
12h15	Whole exome sequencing in Rwandan patients with neurodevelopmental disorders	Annette Uwizeza (Rwanda)
12h30-14h00	Lunch Box and Open Forum: Establishing a '2020 Vision' for Genomics (Facilitators: Eric Green and Jennifer Troyer)	
14h00-15h45	Session 6 - Host Genetics and Infectious Disease - Chairs: Christian Happi / Claude Muvunyi Mambo	
14h00	Models for the study of HIV remission: elite and post-treatment controllers	Caroline Tiemessen (South Africa)
14h30	Connections between Ancestry, Genes and Tuberculosis	Marlo Moller (South Africa)
15h00	Genetic Diversity OF HCV among Military Population in Cameroon	Fepa Kwesseu Armelle Gaelle (Cameroon)
15h15	N-acetyltransferase II Discordant Genotype - Phenotype Relationship in HIV - Positive and HIV-Negative Nigerians	Olayinka Adejoke Kotila (Nigeria)
15h30	Analysis of Within-Host Evolution of Plasmodium falciparum during Treatment with Artemisinin Combination Therapies	Javan Okendo (South Africa)
15h45-16h15	Tea break, Poster viewing & Trade Exhibition	
16h15-17h15	Panel Discussion: Translational genomics (Facilitator: Debo Adeyemo)	
17h15-18h15	AfSHG General Meeting	
19h00	Gala Dinner (Kigali Convention Centre)	

Day 3 Friday 21 st September 2018		
From 7h30	Registration	
8h00-9h00	Workshop: Career opportunities for young African geneticists (Facilitator: Hans Hagen)	
Plenary 2		
09h00-9h45	Genetic and epigenetic modulation of the acute chest syndrome in sickle cell disease.	Solomon Ofori-Acquah (Ghana)
Session 7 Genomics of Rare Diseases - Chairs: Zane Lombard and Ghada Kamah		
09h45	The value of rare diseases research in DR Congo	Prosper Lukusa (DRC)
10h05	Genetic Diversity of Albinism in Senegal	Rhokaya Ndiaye (Senegal)
10h25	Genetic associations with onset and progression of focal segmental glomerulosclerosis (FSGS) in black South African children	Melanie Ann Govender (South Africa)
10h40	Routine use of targeted NGS panel in a Dutch cardiomyopathy cohort	Mohamed Z. Alimohamed (Netherlands)
10h55	Is Mutation c.815_824dup10 of the BRCA1 Gene Predisposing to Hereditary Breast Cancer, a Founder Mutation of Senegalese Origin?	Jean Pascal Demba Diop (Senegal)
11h10-11h40	Tea Break, Poster viewing & Trade Exhibition	
Session 8 - Ethics and Genomics in Africa - Chairs: Amina Yakuku and Jantina de Vries		
11h40	Taking Community Engagement Seriously in Genomics research in Africa	Paulina Tindana (Ghana)
12h10	Towards Identifying Clinically Actionable Genetic Variants in the Egyptian Population	Yasmine Aguib (Egypt)
12h25	A stem cell and genome engineering approach to address adverse drug reactions in sub-Saharan Africa	Janine Scholefield (South Africa)
12h40	Ethics regulatory framework of patient registry	Ghada Yousef El Kamah
13h00-14h00	Lunch and Poster viewing (Africa Biosystems Ltd. - Symposium Trade talk)	
Session 9 - Complex Disease Genomics - Scott Williams and Clement Adebomowo		
14h00	Recent advances in the genetics of nephrotic syndrome in childhood	Adebowale Adeyemo (USA)
14h30	Inheritable Breast Cancer in Nigeria, Uganda, and Cameroon	Dezheng Huo (USA)
15h00	Immunogenetic aspects of type 1 diabetes in Benin: pilot study	Anatole Laleye (Benin)
15h15	Molecular Study of Genetic Renal Diseases in Moroccan Population	Fatima Abdouss (Morocco)
15h30	Insights into gut microbiota dysbiosis in Africans with type 2 diabetes	Ayo Doumatey (USA)
15h45-16h00	Tea Break, Poster viewing & Trade Exhibition	
16h00	Strategic Planning Meeting of AfSHG and resources for genomics, epigenetics and bioinformatics research for Africa (Facilitators: Charles Rotimi and Sonia Abdelhak)	
17h15 - 17h45	Award ceremony	
17h45 - 18h30	AfSHG Committee Meeting	