

Awardees

	Awardee Name	Session Title	Abstract Title	Location	Talk Time	Session Number
Wednesday, November 1	Xiaona Lu, MD, PhD (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session I	Innovative non-viral delivery of CRISPR/Cas9 gene editing for neurogenetic disorder of Angelman syndrome	Conv Ctr/Ballroom ABC/Level 3	5:30 - 5:50 PM	Session 007
	Yajie Zhao, PhD (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session I	Protein-truncating variants in BSN are associated with severe obesity, type 2 diabetes and fatty liver disease	Conv Ctr/Ballroom ABC/Level 3	5:50 - 6:10 PM	Session 007

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Thursday, November 2	Comfort Kanji (H3Africa Award)	Pharmacogenomics in the era of next-generation sequencing	Pharmacokinetics of Tamoxifen and its major metabolites and the effect of the African ancestry specific CYP2D6*17 variant on the formation of the active metabolite, endoxifen	Conv Ctr/Room 147A/Level 1	9:30 - 9:45 AM	Session 013
	Albert Henry, MD, MS (Trainee Research Excellence Award Finalist)	Genetic basis of cardiovascular development and disease	Mapping the pleiotropic effects of genetic susceptibility loci identifies multi-system involvements in heart failure pathology	Conv Ctr/Room 145A/Level 1	11:30 - 11:45 AM	Session 019
	Liaoyi Xu, MS (Trainee Research Excellence Award Finalist)	Human genome evolving I	Deep learning to understand the genetic architecture and evolution of the human pelvis	Conv Ctr/Room 147A/Level 1	11 - 11:15 AM	Session 021
	Jennifer Waldo, MA (Trainee Research Excellence Award Finalist)	New treatments for some rare classics	Durable HTT silencing using non-evolved dCas9 epigenome editors in patient-derived neuronal cells	Conv Ctr/Ballroom C/Level 3	11:15 - 11:30 AM	Session 022
	Zhichao Xu, PhD (Trainee Research Excellence Award Finalist)	Cancer Poster Session I	CRISPR/Cas9 Engineering of 3D Genome Structural Variants: Unveiling Predictive Models of Oncogene Activation in Cancer Genomes	Conv Ctr/Exhibit & Poster Hall/PB5191	3 - 5 PM	Session 032
	Tawakalt Fagbayi, MD/PhD (Resource-Limited Country Award)	Complex Traits and Polygenic Disorders Poster Session I	Association of angiotensinogen rs699 SNP with pre-eclampsia in Lagos, Nigeria: Case-control study	Conv Ctr/Exhibit & Poster Hall/PB1363	3 - 5 PM	Session 033
	Palwende Boua, PhD (H3Africa Award)	Complex Traits and Polygenic Disorders Poster Session I	Identification of 39 Gene-Lifestyle interaction Loci for cardio-metabolic traits in Sub-Saharan African populations: An AWI-Gen study	Conv Ctr/Exhibit & Poster Hall/PB1582	3 - 5 PM	Session 033
	Zahra Tariq, BS/BA (Resource-Limited Award)	Genetic Counseling, ELSI, Education, and Health Services Research Poster Session I	Concept and Awareness of Genetic Counseling among Intersex Individuals in Pakistan	Conv Ctr/Exhibit & Poster Hall/PB2364	3 - 5 PM	Session 036
	Adekunle Fakunle, PhD (H3Africa Award)	Genetic Counseling, ELSI, Education, and Health Services Research Poster Session I	Disclosure of genetic test results for stroke among stroke-free West Africans	Conv Ctr/Exhibit & Poster Hall/PB2373	3 - 5 PM	Session 036
	Olusola Olawoye, MD/PhD (H3Africa Award)	Genetic Counseling, ELSI, Education, and Health Services Research Poster Session I	The social construction of genomics and blindness in Nigeria: The Eyes of Africa (EOA) study	Conv Ctr/Exhibit & Poster Hall/PB2433	3 - 5 PM	Session 036
	Esther Uwibambe, MD (H3Africa Award)	Mendelian Phenotypes Poster Session I	Identification and Functional Evaluation of Autosomal Recessive Non-Syndromic Hearing Impairment Genes in Rwanda	Conv Ctr/Exhibit & Poster Hall/PB4797	3 - 5 PM	Session 039
	Oumou Traoré, MD (H3Africa Award)	Mendelian Phenotypes Poster Session I	Whole exome sequencing reveals known and novel variants in two Malians families with neuronal ceroid lipofuscinosis	Conv Ctr/Exhibit & Poster Hall/PB4947	3 - 5 PM	Session 039
	Gerrye Mubungu, MD/PhD (H3Africa Award)	Molecular and Cytogenetic Diagnostics Poster Session I	Deciphering Developmental Disorders in Central African setting (DDD-Africa): clinical characterization and molecular study	Conv Ctr/Exhibit & Poster Hall/PB3186	3 - 5 PM	Session 040
	Nouhaila En Najih, MS (H3Africa Award)	Omics Technologies Poster Session I	Bacterial diversity in the COVID-19 Metagenome: An AI-aided approach	Conv Ctr/Exhibit & Poster Hall/PB3328	3 - 5 PM	Session 042
	Kizito Mosema-Be-Amoti, MD (H3Africa Award)	Prenatal, Perinatal, and Developmental Genetics Poster Session I	Diagnosing rare conditions in low-resource settings: the experience of the Differences of Sex Development clinic in the Democratic Republic of the Congo	Conv Ctr/Exhibit & Poster Hall/PB2066	3 - 5 PM	Session 044
	Dominique Brooks, BS (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session II	In vivo correction of human phenylketonuria variants via prime editing and base editing: A gateway to equitable treatment of inborn errors of metabolism	Conv Ctr/Ballroom ABC/Level 3	3 - 5 PM	Session 047
	Lida Wang, MS (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session II	A single cell eQTL atlas for cell type specific regulatory effects	Conv Ctr/Ballroom ABC/Level 3	5:50 - 6:10 PM	Session 047
	Jose Uribe-Salazar, PhD (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session II	Assessment of human duplicated genes in a complete telomere-to-telomere genome implicates novel paralogs in brain evolution	Conv Ctr/Ballroom ABC/Level 3	6:10 - 6:30 PM	Session 047

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Friday, November 3	Molly Przeworski, PhD (Scientific Achievement Award)	Understanding human genetic variation through the lens of germ cell biology	Modeling the interplay of DNA damage and repair helps to identify key parameters of human mutagenesis	Conv Ctr/Room 202A/Level 2	8:50 - 9:05 AM	Session 055
	Shaye Carver, MS (Trainee Research Excellence Award Finalist)	Single-cell analyses across various tissues	Inferring novel disease related cell states within and across-cell types in scRNA and scATAC seq data using condPCA	Conv Ctr/Room 207A/Level 2	10:45 - 11 AM	Session 062
	Alicia Huerta, PhD (Trainee Research Excellence Award Finalist)	Gene discovery from large-scale studies	Rare variant imputation with the TOPMed reference panel combined with whole-genome sequence data in 52,658 type 2 diabetes cases and 381,683 controls identifies novel rare variant associations and informs the spectrum of pathogenicity in monogenic diabetes genes	Conv Ctr/Ballroom C/Level 3	1:45 - 2 PM	Session 066
	Dimitrii Smirnov, MS (Trainee Research Excellence Award Finalist)	Dysfunction of the power house: Mitochondrial disorders	Unravelling Mitochondrial Diseases Metabolism: Discovery and Validation of Biomarkers and Signatures in the Largest Patient Cohort Study to Date	Conv Ctr/Room 147A/Level 1	2:30 - 2:45 PM	Session 065
	Ola Eid, MD/PhD (H3Africa Award)	Cancer Poster Session II	Genomic profiling of group of Egyptian retinoblastoma patients	Conv Ctr/Exhibit & Poster Hall/PB5063	3 - 5 PM	Session 073
	Olaitan Awe, PhD (H3Africa Award)	Cancer Poster Session II	Single-cell Transcriptomic Profiling of Colorectal Cancer Tumors Reveals Potential Biomarkers	Conv Ctr/Exhibit & Poster Hall/PB5150	3 - 5 PM	Session 073
	Margaux Hujuel, PhD (Trainee Research Excellence Award Finalist)	Complex Traits and Polygenic Disorders Poster Session II	Hidden protein-altering variants influence diverse human phenotypes	Conv Ctr/Exhibit & Poster Hall/PB1574	3 - 5 PM	Session 074
	Mona A. M. Abo-Zeid, PhD	Genetic Therapies Poster Session II	Inhibition of chemokine expression declines cancer cells proliferation and migration in vitro	Conv Ctr/Exhibit & Poster Hall/PB2029	3 - 5 PM	Session 078
	Alassane Dit Baneye Maiga, MD	Mendelian Phenotypes Poster Session II	A novel type of Benign Adult Familial Myoclonic Epilepsy (BAFME) in a large Malian family	Conv Ctr/Exhibit & Poster Hall/PB4609	3 - 5 PM	Session 080
	Ngozi Otuonye, PhD (H3Africa Award)	Molecular Effects of Genetic Variation Poster Session II	Human Leukocyte Antigen-C and Haplotypes Associations with Resistance and Susceptibility to HIV-1 Infection among Serodiscordant Couples in Nigeria	Conv Ctr/Exhibit & Poster Hall/PB1139	3 - 5 PM	Session 082
Esha Bhattacharjee, MS (Resource-Limited Country Award)	Prenatal, Perinatal, and Developmental Genetics Poster Session II	Genetic determinants of spontaneous preterm birth in Indian women: Transethnic and population specific markers	Conv Ctr/Exhibit & Poster Hall/PB2073	3 - 5 PM	Session 085	

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Saturday, November 4	Tala Shahin, PhD (Trainee Research Excellence Award Finalist)	Cell-type and context-dependent regulation of gene expression	The impact of ethnicity on the single-cell immune response to malaria in West African children	Conv Ctr/Ballroom C/Level 3	11:30 - 11:45 AM	Session 097
	Richard Mayanja, MS (H3Africa Award)	Understanding kidney traits through genetics	First GWAS of cystatin-C kidney function in continental Africans identifies novel loci & refines known associations	Conv Ctr/Room 145A/Level 1	11:30 - 11:45 AM	Session 103
	Kofi Opoku, MBChB, BS (Trainee Research Excellence Award Finalist)	Going beyond DNA sequencing to identify disease causes	Transcriptome profiling of pediatric extracranial solid tumors enables rapid, low cost diagnostic classification	Conv Ctr/Ballroom A/Level 3	11:45 AM - 12 PM	Session 101
	Farid Cherbal, PhD (H3Africa Award)	Cancer Poster Session III	Genetic Testing for Hereditary Cancer Syndromes in Algerian population: Recurrent Germline Pathogenic Variants, Ethical and Social Issues	Conv Ctr/Exhibit & Poster Hall/PB5058	2:15 - 4:15 PM	Session 112
	Claudia Anyigba, BS/BA (H3Africa Award)	Cancer Poster Session III	The genetic breast cancer risk factors in Ghanaian women	Conv Ctr/Exhibit & Poster Hall/PB5160	2:15 - 4:15 PM	Session 112
	Itunuoluwa Isewon, PhD (H3Africa Award)	Cancer Poster Session III	A multi omics classifier for prediction of androgen deprivation treatment response in prostate cancer patients	Conv Ctr/Exhibit & Poster Hall/PB5190	2:15 - 4:15 PM	Session 112
	Sudipta Chakraborty, MS (Resource-Limited Country Award)	Complex Traits and Polygenic Disorders Poster Session III	A haplotype based extreme phenotype GWAS to functional investigation revealed the function of <i>CNTNAP5</i> in glaucomatous neurodegeneration	Conv Ctr/Exhibit & Poster Hall/PB1311	2:15 - 4:15 PM	Session 113
	Charleston Chiang, PhD (HGGA Outstanding Early Career Publication Award)	Evolutionary and Population Genetics Poster Session III	A likelihood-based framework for demographic inference from genealogical trees	Conv Ctr/Exhibit & Poster Hall/PB3003	2:15 - 4:15 PM	Session 115
	Kristy Muallim (Trainee Research Excellence Award Finalist)	Genetic, Genomic, and Epigenomic Resources and Databases Poster Session III	Genome-wide maps of regulatory enhancer-gene interactions across human cell types and tissues	Conv Ctr/Exhibit & Poster Hall/PB4497	2:15 - 4:15 PM	Session 118
	Arwa Babai, MS (H3Africa Award)	Mendelian Phenotypes Poster Session III	A novel missense variant in <i>CLPP</i> gene causing Perrault syndrome in a large Sudanese family	Conv Ctr/Exhibit & Poster Hall/PB4607	2:15 - 4:15 PM	Session 119
	Ambrin Fatima, PhD (Resource-Limited Country Award)	Mendelian Phenotypes Poster Session III	Biallelic variants in <i>GET4</i> cause developmental disabilities with a variable degree of phenotypic spectrum	Conv Ctr/Exhibit & Poster Hall/PB4658	2:15 - 4:15 PM	Session 119
	Cybel Mehawej, PhD (Resource-Limited Country Award)	Mendelian Phenotypes Poster Session III	<i>POLD3</i> deficiency is associated with syndromic severe combined immunodeficiency including neurodevelopmental delay and hearing impairment	Conv Ctr/Exhibit & Poster Hall/PB4760	2:15 - 4:15 PM	Session 119
	Naseebullah Kakar, PhD (Resource-Limited Country Award)	Mendelian Phenotypes Poster Session III	Genetic analysis of Bardet-Biedl Syndrome: unraveling novel mutations and insights from consanguineous families	Conv Ctr/Exhibit & Poster Hall/PB4772	2:15 - 4:15 PM	Session 119
	Yacouba Dia, PharmD (H3Africa Award)	Mendelian Phenotypes Poster Session III	Whole exome sequencing of families from Senegal reveals known and candidate hearing impairment genes	Conv Ctr/Exhibit & Poster Hall/PB4946	2:15 - 4:15 PM	Session 119
	Stijn Van de Sompele, PhD (AJHG Outstanding Trainee Publication Award)	Mendelian Phenotypes Poster Session III	Closing the gap: overcoming the challenges of RPGR ORF15 sequencing, a target for gene therapy of X-linked retinitis pigmentosa	Conv Ctr/Exhibit & Poster Hall/PB4694	2:15 - 4:15 PM	Session 119
	Saba Faraz, PhD (Resource-Limited Award)	Molecular Effects of Genetic Variation Poster Session III	A novel mutation in <i>ITGB2</i> in Pakistani families causes Leukocyte Adhesion Deficiency Type I	Conv Ctr/Exhibit & Poster Hall/PB1014	2:15 - 4:15 PM	Session 121
	Amir Bouaziz, MS (H3Africa Award)	Molecular Effects of Genetic Variation Poster Session III	Exploring dual and triplets genetic variants in nucleotide excision repair-related genes: unraveling their impact on disease severity and structural consequences in patients with late-onset Xeroderma pigmentosum phenotype	Conv Ctr/Exhibit & Poster Hall/PB1095	2:15 - 4:15 PM	Session 121
	Mariam Traore, MS (H3Africa Award)	Statistical Genetics and Genetic Epidemiology Poster Session III	Causal effect of recurrent mild malaria on dyslipidemia in African Ancestry Individuals: A Mendelian randomization study	Conv Ctr/Exhibit & Poster Hall/PB4081	2:15 - 4:15 PM	Session 125
	Christopher Kintu, PhD (H3Africa Award)	Statistical Genetics and Genetic Epidemiology Poster Session III	Discovery of kidney function loci and MR-based associated causal effects of lipid traits in 80k African ancestry individuals	Conv Ctr/Exhibit & Poster Hall/PB4120	2:15 - 4:15 PM	Session 125
	Yusuf Danasabe Jobbi, MS (H3Africa Award)	Statistical Genetics and Genetic Epidemiology Poster Session III	Investigating the Genetic Association between Type 2 Diabetes and Dementia	Conv Ctr/Exhibit & Poster Hall/PB4231	2:15 - 4:15 PM	Session 125
Lauren Donoghue, PhD (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session III	Integration of genetics and proteomics at scale yields novel insights on the underpinnings of asthma risk and heterogeneity	Conv Ctr/Ballroom ABC/Level 3	5:20 - 5:40 PM	Session 127	
Gaspard Kerner, PhD (Trainee Research Excellence Award Finalist)	Featured Plenary Abstract Session III	Antagonistic selection of infectious and non-infectious immune-mediated disorders revealed by vertical pleiotropy	Conv Ctr/Ballroom ABC/Level 3	6:20 - 6:40 PM	Session 127	
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Sunday, November 5	Karen Miga, PhD (Early Career Award)	Distinguished Speaker Symposium: The Future of Human Genetics and Genomics	From Single Genomes to Pangenomes: Revolutionizing Genomics with Routine Telomere-to-Telomere (T2T) Assemblies	Conv Ctr/Ballroom ABC/Level 3	12:15 - 12:30 PM	Session 138