Sessions and Posters at ASHG 2024

Tuesday, November 5, 2024

Time	Location	Session information	Presenter(s)
10:00 a.m.–12:00 p.m.	Room 711	***All of Us* Workshop** **Presentation title:** Getting Started with Biomedical and Genomic Data in the *All of Us* Researcher Workbench	Julie Coleman, Baylor College of Medicine Shamika Ketkar, Baylor College of Medicine Jinyoung Byun, University of New Mexico

Wednesday, November 6, 2024

Time	Location	Session information	Presenter(s)
8:00 a.m.–9:30 a.m.	Mile High Ballroom 2 & 3	**Presentation in panel, "Biobank Scale Genetic Data Resources for Studying Complex and Rare Human Diseases"** **Presentation Title:** Structural variant discovery with GATK-SV in 97,940 short-read whole genomes from the *All of Us* Research Program (8:30 a.m.–8:45 a.m.)	Emma Pierce-Hoffman, Broad Institute
10:15 a.m.–11:45 a.m.	Room 405	**Presentation in panel, "Creative Community Engagement: Gathering Data for Better Participatory Research"** **Presentation title:** Co-Creating a story-based video collection to engage LGBTQIA+ community members with the *All of Us* Research Program: An engagement marketing and human-centered design approach (10:30 a.m.–10:45 a.m.)	Jennifer Uhrig, Research Triangle Institute (RTI)

Wednesday, November 6, 2024

Time	Location	Session information	Presenter(s)
10:15 a.m.–11:45 a.m.	Room 401	**Presentation in panel, "Moving Polygenic Risk Scores Closer to Clinical Implementation"** **Presentation title:** *All of Us* diversity and scale improve polygenic prediction contextually with greatest improvements for under-represented populations (10:30 a.m.–10:45 a.m.)	Ying Wang, Massachusetts General Hospital
10:15 a.m.–11:45 a.m.	Room 401	**Presentation in panel, "Moving Polygenic Risk Scores Closer to Clinical Implementation"** **Presentation title:** Performance of contemporary polygenic risk scores for atherosclerotic cardiovascular disease in the *All of Us* Workbench (11:15 a.m.–11:30 a.m.)	Johanna Smith, Mayo Clinic
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Engaging high school students in exploring big data via the All of Us Data Browser Board No. 7068W	Louisa Stark, University of Utah
		Poster: The *All of Us* Researcher Academy Internship Program: An Experiential Learning Opportunity Designed to Support Research Skills Development of Diverse Early-Stage Researchers Board No. 1090W	Sula Hood, RTI
		Poster: SGLT2 Inhibitors Attenuate Risk of APOL1-mediated Chronic Kidney Disease Board No. 5154W	Ariel Williams, National Human Genome Research Institute (NHGRI)
		Poster: Genomic Return of Results for The United States' *All of Us* Research Program Board No. 1068W	Hannah Hoban, Color Health
		Poster: Deciphering fine-scale population structure in the U.S. to uncover population-specific disease risks for health equity Board No. 1057W	Mariko Isshiki, Albert Einstein College of Medicine

Wednesday, November 6, 2024

Time	Location	Session information	Presenter(s)
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Assessing the impact of social exposomes on genetic liability for bipolar disorder Board No. 4017W	Rachel Sharp, University of North Carolina at Chapel Hill
		Poster: A methodology to assess concordance of last prescribed treatment with CPIC guideline recommendations: A case study application in a diverse *All of Us* research cohort Board No. 7002W	Ilia Rattsev, Johns Hopkins University
		Poster: A novel, scalable, and efficient blockLASSO PGS method in *All of Us* and the UK Biobank Board No. 4004W	Timothy Raben, Michigan State University
		Poster: Association analysis of rare genetic variants in circulatory and respiratory phenotypes among participants from the *All of Us* Research Program Board No. 4019W	Jingwen Zhang, Boston University
		Poster: Phenome-wide association studies of Mucins in *All of Us* data reveal tandem repeat-associated phenotypic traits Board No. 3026W	Evangelos Nizamis, University of Washington
		Poster: Population Descriptors in Genomic Legacy Data: Reflections and Recommendations for Future Research Directions from a Trans-NIH Workshop Board No. 7081W	Lucia Hindorff, NHGRI
		Poster: Measuring the accuracy of electronic health record-based phenotyping in the *All of Us* Research Program using pathogenic BRCA1 and BRCA2 carrier frequencies in putative ovarian cancer cases Board No. 1077W	John Baierl, Cedars-Sinai Medical Center

Wednesday, November 6, 2024

Time	Location	Session information	Presenter(s)
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Phenome-wide association study of MTHFR variant in UK Biobank and *All of Us* Board No. 1086W	Anas Awan, NHGRI
		Poster: Multi-Ancestry Genome Wide Association Study (GWAS) in the *All of Us* Cohort for Primary Open Angle Glaucoma Board No. 5124W	Kiana Tavakoli, University of California San Diego
		Poster: Genome wide association study investigating increased risk of postpartum depression among women affected by immune-mediated inflammatory conditions Board No. 5075W	Alyks Linerud, Brigham Young University

Thursday, November 7, 2024

Time	Location	Session information	Presenter(s)
8:00 a.m.–9:30 a.m.	Four Seasons Ballroom 4	**Presentation in panel, "Contributions of Tandem Repeats to Human Variation, Traits, and Disease"** **Presentation title:** Tandem repeats make widespread contributions to complex traits (8:50 a.m.–9:05 a.m.)	Helyaneh Ziaei Jam, University of California San Diego
10:15 a.m.–11:45 a.m.	Four Seasons Ballroom 1	**Presentation in panel, "Disease Insights from Omic-Wide Approaches"** **Presentation title:** All by *All of Us*: common and rare variant association testing in 245,000 whole genomes across diverse ancestry groups (11:00 a.m.–11:15 p.m.)	Konrad Karczewski, Massachusetts General Hospital
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Genetic architecture and comprehensive phenotypic assessment of alcohol use disorder and related outcomes in *All of Us* Board No. 5078T	Bradley Webb, RTI
		Poster: Utilizing large-scale whole genome sequencing data from the *All of Us* research program to discover novel genes and endogenous retroviral loci associated with female infertility and recurrent pregnancy loss Board No. 6091T	Erik Stricker, Baylor College of Medicine

Thursday, November 7, 2024

Time	Location	Session information	Presenter(s)
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Severe COVID-19 enriched in participants with G6PD deficiency in the *All of Us* Research Program dataset Board No. 5155T	Eric Venner, Baylor College of Medicine,
		Poster: Underdiagnosis and Health Disparities in Hereditary Hemorrhagic Telangiectasia Board No. 1096T	Nicholas Singh-Miller, NHGRI
		Poster: Hidden Population Structure in the *All of Us* Research Project Board No. 3022T	Ruhollah Shemirani, Icahn School of Medicine at Mount Sinai
		Poster: Characterizing Genetic Diversity in the *All of Us* Research Program in the Context of Genetic Association Studies Board No. 4030T	Sophia Gunn, New York Genome Center
		Poster: Genetic correlates of treatment-resistant depression: Insights from polygenic scores across cognitive, temperamental, and sleep traits in the *All of Us* cohort Board No. 5080T	Bohan Xu, Laureate Institute for Brain Research
		Poster: Genome-wide Association Study of Long COVID by Predictive Phenotyping of EHR Data using Deep Learning: Transferring Trained Model from National COVID Cohort Collaborative to *All of Us* Research Platform Enables Genetic Discovery Board No. 5093T	Ardalan Naseri, University of Texas Health Science Center
		Poster: Leveraging EHR Phenotyping and Genome-Wide Association Studies to Identify Genetic Predisposition Factors for Systemic Lupus Erythematosus Within *All of Us* Research Program Board No. 5123T	Dayo Shittu, NHGRI

Friday, November 8, 2024

Time	Location	Session information	Presenter(s)
8:00 a.m.–9:30 a.m.	Room 505	**Presentation in panel, "Aging, Clonal Hematopoiesis, and Our Health"** **Presentation title:** Clonal expansion: leveraging biobank scale data to identify molecular mechanisms and non-oncologic disease consequences (8:15 a.m.–8:30 a.m.)	Alex Bick, Vanderbilt University Medical Center
8:00 a.m.–9:30 a.m.	Room 505	**Presentation in panel, "Aging, Clonal Hematopoiesis, and Our Health"** **Presentation title:** Determinates of Clonal Hematopoiesis Progression to Hematologic Malignancy (8:45 a.m.–9:00 a.m.)	Kelly Bolton, Washington University in St. Louis
10:15 a.m.–11:45 a.m.	Room 401	**Presentation in panel, "Translating Genetics into Screening Programs"** **Presentation title:** Biobank-scale genotype-to-phenotype analyses reveal the challenges in using exome sequencing for population screening (11:30 a.m.–11:45 a.m.)	David Blair, University of California, San Francisco
1:15 p.m.–2:15 p.m.	Four Seasons Ballroom 2&3	**Presentation in panel, "Rare Variants and Admixture Modeling in Diverse Population"** **Presentation title:** Large-scale admixture mapping in the *All of Us* Research Program improves the characterization of cross-population phenotypic differences (1:15 p.m.–1:30 p.m.)	Ravi Mandla, University of California, Los Angeles
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Functional components of heritability in admixed African-ancestry *All of Us* whole-genome sequencing data Board No. 4063F	Jordan Rossen, Broad Institute
		Poster: Genome-Wide Meta-Analysis of Single Variant Associations in Uterine Fibroid Samples Board No. 7035F	James Jaworski, Vanderbilt University Medical Center
		Poster: Empowering Researchers: A Cost-Effective and Versatile PRS Calculator for the *All of Us* Program Board No. 4046F	Ahmed Khattab, Scripps Research Translational Institute

Friday, November 8, 2024

Time	Location	Session information	Presenter(s)
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Systematic Evaluation of Polygenic Score Performance Across Diverse Population Characteristics in the *All of Us* Research Program Board No. 1090F	Jack Staples, University of Colorado Anschutz Medical Campus
		Poster: The Long Road to Long Reads: Challenges to Implementing a Long Read Sequencing Service Board No. 1175F	Michelle Kokosinski, Johns Hopkins University
		Poster: Variability in Self-reported Race Among Individuals with Middle Eastern Inferred Genetic Ancestry in the UK Biobank, *All of Us* and MGB Biobank Board No. 6092F	Yang Sui, Broad Institute
		Poster: Leveraging the *All of Us* Research Program to better understand the genetic architecture of opioid use disorder spectrum behaviors Board No. 5116F	Amy Moore, RTI
		Poster: Novel genetic loci associated with knee osteoarthritis in 284,184 cases and controls in the Million Veteran Program and the *All of Us* Research Network Board No. 5132F	Chelsea Nguyen, University of Alabama Birmingham
		Poster: Insights into causes and consequences of repeat expansions from biobank sequencing data Board No. 5093F	Margaux Hujoel, Brigham and Women's Hospital and Harvard Medical School and Broad Institute
		Poster: Insights into copy-number evolution and polygenic score transferability from LPA Board No. 3022F	Ronen Mukamel, Harvard Medical School
		Poster: Association of orofacial cleft risk loci with elevated risk of prostate cancer Board No. 4021F	John Shaffer, University of Pittsburgh

Friday, November 8, 2024

Time	Location	Session information	Presenter(s)
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Leveraging the *All of Us* platform to enable rapid genomic analysis of primary autoimmune hypothyroidism in diverse populations Board No. 1079F	Anav Babbar, NHGRI
		Poster: Efficient large scale PheWAS analysis with PheTK Board No. 4043F	Tam Tran, NHGRI
		Poster: High-throughput genotype-phenotype association data aid variant classification in a diverse cohort Board No. 6043F	Chenjie Zeng, NHGRI
		Poster: Exploring allelic variation at structurally variant and medically relevant loci in the *All of Us* Research Program long-read genomes Board No. 7006F	Julie Wertz, University of Washington
		Poster: Evaluating Genetic Diversity in the *All of Us* Research Program Board No. 3011F	Mateus Henrique Gouveia, NHGRI
		Poster: Exploring Uterine Fibroid Disparities among Black and Hispanic Women: Insights from the *All of Us* Workbench Board No. 7063F	Lynette Hammond Gerido, Case Western Reserve University
		Poster: Ancestry-aware genome-wide association study of African American multiple sclerosis patients in *All of Us* (poster) Board No. 4017F	Steven Brugger, Brigham Young University
		Poster: Cross-population replication analysis of STR-trait associations in the *All of Us* dataset Board No. 1057F	Nichole Ma, University of California San Diego

Friday, November 8, 2024

Time	Location	Session information	Presenter(s)
2:30 p.m.–4:30 p.m.	Exhibit & Poster Hall/Upper Level	**Poster:** Pharmacogenomic genome-wide association study of LDL response to statins using high-throughput electronic health records analysis Board No. 4113F	Slavina Goleva, NHGRI
		Poster: Genome-Wide Meta-Analysis of Single Variant Associations in Uterine Fibroid Samples Board No. 7035F	J. Jaworski, Vanderbilt University Medical Center
		Poster: Type 2 Diabetes protective effects of rare loss of function variants in African Americans: an *All of Us* cohort study Board No. 5172F	Shivam Sharma, Georgia Institute of Technology
		Poster: Using *All of Us* to investigate genetic factors influencing the measles vaccine response Board No. 6089F	Alireza Majd, University of California, San Francisco
		Poster: Enhancing polygenic scores prediction across multiple ancestries with S4-Multi model Board No. 4048F	Ping-Hung Lai, Cedars Sinai Medical Center
		Poster: Investigating sex-specific genetic susceptibility in autoimmune diseases Board No. 5105F	Peter Sauer, NHGRI
		Poster: Establishing prevalence and phenotypic spectrum of purine and pyrimidine disorders using genotype-first approach to mining electronic health record biobanks Board No. 2030F	Katharine Chailett, NHGRI
		Poster: TERTp.K1050N: A founder variant in Ashkenazi Jewish populations associated with telomere biology disorders Board No. 8052F	Kelvin Cesar De Andrade, National Cancer Institute

Saturday, November 9, 2024

Time	Location	Session information	Presenter(s)
9:30 a.m.–10:30 a.m.	Room 405	**Presentation in panel, "Technology for Translation"** **Presentation title:** The *All of Us* Research Program data release 2024 (CDR v8): Powering genomic research through *All of Us* (10:15 a.m.–10:30 a.m.)	Anjene (Anji) Musick, *All of Us* Research Program
9:30 a.m.–10:30 a.m.	Four Seasons Ballroom 2 & 3	**Presentation in panel, "Phenomenal PheWAS"** **Presentation title:** Phenome-Wide Association of APOE Alleles in the *All of Us* Research Program (10:15 a.m.–10:30 a.m.)	Jason H. Karnes, University of Arizona

Explore more research powered by All of Us data in the Research Project Directory.

Members of the press seeking additional information regarding any presentation or posters related to the *All of Us* Research Program, please contact the press team at allofuspress@mail.nih.gov.